July 5th, 2023

Kyle Amsel
Water Resource 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 #2023-246 – MEL-SR-1 Runoff at the Meliadine Gold Project

On June 7th, 2023, 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: 62 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:

- Nunavut Water Board License 2AM-MEL1631 Water License, part H, item 8c;
- subsection 38(7) of the Fisheries Act.

Description of Incident

On June 7th, 2023, at approximately 4:00 am, the two culverts situated at Itivia sustained damage during a 1 in 50-year rainfall event. Due to substantial water accumulation within the catchment basin, the buoyancy force of air within the submerged culverts exceeded the weight of the culverts and cover resulting in uplift of the upstream portions of the culverts. Water could no longer be conveyed through the culverts and an unknown volume of water flowed over the roadway upstream of sample location MEL-SR-1. The MEL-SR-1 monitoring station is located at the southern end of Itivia and flows out to Melvin Bay approximately 75 meters to the south.

Field measurements of turbidity indicated a potential exceedance of the Total Suspended Solids (TSS) effluent quality limits specified under Part D Item 18 of the 2AM-MEL1631 Water Licence.

Samples were collected at MEL-SR-1 and subsequently sent to an external laboratory for analysis. The closest water body (Melvin Bay) is.

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

Response and Remediation

Following the Sediment and Erosion Management Plan, the Energy and Infrastructure Department undertook measures to mitigate sediment mobilization and transport caused by overflowing water on the road. These measures included;

1. Pumping water from the upstream to the downstream side of the culvert to prevent water from overflowing onto the roadway;
2. Facilitate unimpeded water passage by pressing the culvert inlets down to their original position using heavy equipment;
3. Installation of supplementary sediment control straw logs and wood logs.

As a result of these interventions, the water flow across the road was stopped within the first hour of implementation. Field monitoring also indicated that actions taken and flow recession resulted in a significant decrease in water turbidity, as shown by the event reading at 283 NTU in the morning and the subsequent reading in evening at 19 NTU. As required, regulatory and due diligence samples were collected during the event and later in afternoon. Analytical results for the monitoring duration are presented in Table 1. The Certificate of Analysis for the regulatory sample and due diligence sample (June 7th, 2023) can be found in Appendix B.

Analytical results for MEL-SR-1 reported a concentration of 2,300 mg/L TSS in the morning, exceeding the allowable TSS effluent quality limits listed under Part D Item 18 of the 2AM-MEL1631 Water Licence. Subsequent sampling later in the day reported a concentration of 13 mg/L, below the allowable TSS effluent quality limits listed under Part D Item 18 of the 2AM-MEL1631 Water Licence.

The results show that the response and remediation measures effectively addressed the issue of sediment transport and helped restore the desired flow conditions.

Table 1. Analytical Results

Date	Total Suspended Solids (mg/L)			2AM-MEL1631, Part D. Item 18	
	Itivia Culvert West	Itivia Culvert East	Itivia Culver 1/MEL-SR-1	Maximum Monthly Mean Concentration	Maximum Concentration in a Grab Sample
07-Jun-23 (AM)	58	140	**2,300**	50	100
07-Jun-23 (PM)	43	35	13[1]		

[1] Laboratory duplicate sample result 15 mg/L.

Root Cause and Corrective Measures

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

- The culvert was not designed to manage the runoff amplitude of the June 7th rainfall event. The design of the culverts was based on a 1 in 25-year return period, while the environment received an actual rainfall of 50.7 mm per day, equivalent to a 1 in 50-year return period. It is also worth noting that the 50.7 mm of rainfall was received within only a few hours, contributing to an amplified instantaneous runoff rate. As the culvert was not designed for this rate of runoff, the upstream basin was flooded above the inlet of the culvert;
- The uncovered sections of the culverts were too long, and the buoyancy force of the air within the submerged culvert temporarily exceeded the weight of the culvert and cover material causing uplift of the upstream portions; and
- The inlets of the culverts may have been partially blocked by erosion and sediment control installations.

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

- Cut off damaged inlets to allow water flow through culverts until permanent repairs or replacements can be made (completed);
- Until the culverts are repaired or replaced, ensure that a pump with sufficient pumping capacity will be left at the culvert and be ready to operate as soon as an extreme event is forecasted;
- Repair or replace culverts during dry season (fall/winter);
- Consider designing the repaired or replaced culverts to manage rainfall events of greater magnitude, relative to original design;
- Ensure that design and associated construction provide sufficient cover of upstream culvert portions to prevent damage if flooding within the upstream basin occurs again;
- Ensure there is no potential for culvert inlets to become obstructed by sediment and erosion controls during large runoff events;

- Carry out an assessment of all culverts on the Meliadine site, All Weather Access Road (AWAR), and Bypass Road to ensure a similar risk does not exist elsewhere; and
- Share learnings of this event with other Agnico Eagle operations to ensure similar occurrences do not happen at other Agnico Eagle operations.

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

AGNICO EAGLE

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Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

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Appendix A – Photos

Photo 1 – Situation upon arrival.

Photo 2 – 1h after response.

Photo 3 – Temporary repair to the culvert inlets.

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MELIADINE

Appendix B – Certificate of Analysis

Your P.O. #: 1253250
Site Location: MELIADINE
Your C.O.C. #: n/a

Attention: Reporting

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

Report Date: 2023/07/05
Report #: R7701768
Version: 6 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C3H2457
Received: 2023/06/13, 09:21

Sample Matrix: Water
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	6	N/A	2023/06/17	CAM SOP-00448	SM 23 2320 B m
Chloride by Automated Colourimetry	6	N/A	2023/06/19	CAM SOP-00463	SM 23 4500-Cl E m
Fluoride	6	2023/06/16	2023/06/19	CAM SOP-00449	SM 23 4500-F C m
Mercury (low level)	6	2023/06/17	2023/06/19	CAM SOP-00453	EPA 7470 m
Low Level Chloride and Sulphate by AC (1)	6	N/A	2023/06/21	AB SOP-00020 / AB SOP-00018	SM24 4500-CL/SO4-E m
Cyanide, Strong Acid Dissociable (SAD) (1)	6	2023/06/20	2023/06/20	CAL SOP-00270	SM 23 4500-CN m
Hardness Total (calculated as CaCO3) (2, 3)	6	N/A	2023/06/20	BBY WI-00033	Auto Calc
Hardness (calculated as CaCO3) (2)	6	N/A	2023/06/20	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (2)	6	N/A	2023/06/20	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (dissolved) (2)	6	N/A	2023/06/19	BBY7SOP-00002	EPA 6020B R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (2)	6	2023/06/14	2023/06/20	BBY7SOP-00002	EPA 6020B R2 m
Elements by CRC ICPMS (total) (2)	6	2023/06/19	2023/06/20	BBY7SOP-00003/ BBY7SOP-00002	EPA 6020B R2 m
Silica (Reactive) (1)	6	N/A	2023/06/22	AB SOP-00011	EPA370.1 R1978 m
Total Ammonia-N	6	N/A	2023/06/20	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (4)	2	N/A	2023/06/16	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Nitrate & Nitrite as Nitrogen in Water (4)	4	N/A	2023/06/20	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Total Oil and Grease	6	2023/06/19	2023/06/19	CAM SOP-00326	EPA1664B m,SM5520B m
pH	6	2023/06/16	2023/06/17	CAM SOP-00413	SM 4500H+ B m
Orthophosphate	6	N/A	2023/06/19	CAM SOP-00461	SM 23 4500-P E m
Calculated Total Dissolved Solids	6	N/A	2023/06/26		Auto Calc
Total Dissolved Solids	6	2023/06/17	2023/06/19	CAM SOP-00428	SM 23 2540C m
Total Phosphorus (Colourimetric)	6	2023/06/19	2023/06/19	CAM SOP-00407	SM 23 4500-P I
Low Level Total Suspended Solids	1	2023/06/16	2023/06/19	CAM SOP-00428	SM 23 2540D m
Low Level Total Suspended Solids	5	2023/06/19	2023/06/19	CAM SOP-00428	SM 23 2540D m
Turbidity	3	N/A	2023/06/16	CAM SOP-00417	SM 23 2130 B m
Turbidity	3	N/A	2023/06/17	CAM SOP-00417	SM 23 2130 B m

Remarks:

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Your P.O. #: 1253250
Site Location: MELIADINE
Your C.O.C. #: n/a

Attention: Reporting

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

Report Date: 2023/07/05
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CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C3H2457
Received: 2023/06/13, 09:21

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCCFP, EPA, APHA.

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) "Total Hardness" was calculated from Total Ca and Mg concentrations and may be biased high (Hardness, or Dissolved Hardness, calculated from Dissolved Ca and Mg, should be used for compliance if available).
(4) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.

Encryption Key

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
==========
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.

Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF242			WCF242		
Sampling Date		2023/06/07 17:40			2023/06/07 17:40		
COC Number		n/a			n/a		
	UNITS	MEL-SR1	RDL	QC Batch	MEL-SR1 Lab-Dup	RDL	QC Batch
Calculated Parameters							
Calculated TDS	mg/L	310	1.0	8726407			
Dissolved Hardness (CaCO3)	mg/L	201	0.50	8742770			
Inorganics							
Total Ammonia-N	mg/L	<0.050	0.050	8736022			
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	8744245			
Total Dissolved Solids	mg/L	375	10	8730858			
Fluoride (F-)	mg/L	0.11	0.10	8732820			
Orthophosphate (P)	mg/L	<0.010	0.010	8735096			
pH	pH	7.92		8732822			
Total Phosphorus	mg/L	0.031	0.020	8736026			
Reactive Silica (SiO2)	mg/L	2.1	0.050	8748928			
Total Suspended Solids	mg/L	13	1	8730856	15	1	8730856
Turbidity	NTU	2.8	0.1	8732167	2.9	0.1	8732167
Alkalinity (Total as CaCO3)	mg/L	120	1.0	8732819			
Dissolved Chloride (Cl-)	mg/L	56	1.0	8735091			
Nitrite (N)	mg/L	<0.010	0.010	8732687			
Nitrate (N)	mg/L	<0.10	0.10	8732687			
Dissolved Sulphate (SO4)	mg/L	73	0.50	8744244			
Nitrate + Nitrite (N)	mg/L	<0.10	0.10	8732687			
Metals							
Dissolved Aluminum (Al)	mg/L	0.0066	0.0030	8742772			
Total Aluminum (Al)	mg/L	0.301	0.0030	8742769			
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	8742772			
Total Antimony (Sb)	mg/L	<0.00050	0.00050	8742769			
Dissolved Arsenic (As)	mg/L	0.00193	0.00010	8742772			
Total Arsenic (As)	mg/L	0.00268	0.00010	8742769			
Dissolved Barium (Ba)	mg/L	0.0326	0.0010	8742772			
Total Barium (Ba)	mg/L	0.0326	0.0010	8742769			
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	8742772			

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

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF242			WCF242		
Sampling Date		2023/06/07 17:40			2023/06/07 17:40		
COC Number		n/a			n/a		
	UNITS	MEL-SR1	RDL	QC Batch	MEL-SR1 Lab-Dup	RDL	QC Batch
Total Beryllium (Be)	mg/L	<0.00010	0.00010	8742769			
Dissolved Bismuth (Bi)	mg/L	<0.0010	0.0010	8742772			
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	8742769			
Dissolved Boron (B)	mg/L	<0.050	0.050	8742772			
Total Boron (B)	mg/L	<0.050	0.050	8742769			
Dissolved Cadmium (Cd)	mg/L	0.000012	0.000010	8742772			
Total Cadmium (Cd)	mg/L	0.000013	0.000010	8742769			
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	8742772			
Total Chromium (Cr)	mg/L	0.0020	0.0010	8742769			
Dissolved Cobalt (Co)	mg/L	0.00022	0.00020	8742772			
Total Cobalt (Co)	mg/L	0.00054	0.00020	8742769			
Dissolved Copper (Cu)	mg/L	0.00294	0.00020	8742772			
Total Copper (Cu)	mg/L	0.00395	0.00050	8742769			
Dissolved Iron (Fe)	mg/L	0.0871	0.0050	8742772			
Total Iron (Fe)	mg/L	0.663	0.010	8742769			
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	8742772			
Total Lead (Pb)	mg/L	0.00031	0.00020	8742769			
Dissolved Lithium (Li)	mg/L	0.0063	0.0020	8742772			
Total Lithium (Li)	mg/L	0.0063	0.0020	8742769			
Dissolved Manganese (Mn)	mg/L	0.0142	0.0010	8742772			
Total Manganese (Mn)	mg/L	0.0205	0.0010	8742769			
Dissolved Molybdenum (Mo)	mg/L	0.0015	0.0010	8742772			
Total Molybdenum (Mo)	mg/L	0.0020	0.0010	8742769			
Dissolved Nickel (Ni)	mg/L	0.0035	0.0010	8742772			
Total Nickel (Ni)	mg/L	0.0057	0.0010	8742769			
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	8742772			
Total Selenium (Se)	mg/L	<0.00010	0.00010	8742769			
Dissolved Silicon (Si)	mg/L	0.88	0.10	8742772			
Total Silicon (Si)	mg/L	1.26	0.10	8742769			
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	8742772			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF242			WCF242		
Sampling Date		2023/06/07 17:40			2023/06/07 17:40		
COC Number		n/a			n/a		
	UNITS	MEL-SR1	RDL	QC Batch	MEL-SR1 Lab-Dup	RDL	QC Batch
Total Silver (Ag)	mg/L	<0.000020	0.000020	8742769			
Dissolved Strontium (Sr)	mg/L	0.349	0.0010	8742772			
Total Strontium (Sr)	mg/L	0.331	0.0010	8742769			
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	8742772			
Total Thallium (Tl)	mg/L	<0.000010	0.000010	8742769			
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	8742772			
Total Tin (Sn)	mg/L	<0.0050	0.0050	8742769			
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	8742772			
Total Titanium (Ti)	mg/L	0.0111	0.0050	8742769			
Dissolved Uranium (U)	mg/L	0.00129	0.00010	8742772			
Total Uranium (U)	mg/L	0.00126	0.00010	8742769			
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	8742772			
Total Vanadium (V)	mg/L	<0.0050	0.0050	8742769			
Dissolved Zinc (Zn)	mg/L	0.0065	0.0050	8742772			
Total Zinc (Zn)	mg/L	0.0089	0.0050	8742769			
Dissolved Zirconium (Zr)	mg/L	<0.00010	0.00010	8742772			
Total Zirconium (Zr)	mg/L	0.00020	0.00010	8742769			
Dissolved Calcium (Ca)	mg/L	64.2	0.050	8742771			
Total Calcium (Ca)	mg/L	58.1	0.050	8742768			
Dissolved Magnesium (Mg)	mg/L	9.94	0.050	8742771			
Total Magnesium (Mg)	mg/L	9.31	0.050	8742768			
Dissolved Potassium (K)	mg/L	6.46	0.050	8742771			
Total Potassium (K)	mg/L	6.09	0.050	8742768			
Dissolved Sodium (Na)	mg/L	30.0	0.050	8742771			
Total Sodium (Na)	mg/L	27.9	0.050	8742768			
Dissolved Sulphur (S)	mg/L	23.8	3.0	8742771			
Total Sulphur (S)	mg/L	22.1	3.0	8742768			
Petroleum Hydrocarbons							
Total Oil & Grease	mg/L	1.1	0.50	8736912			

RDL = Reportable Detection Limit
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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF243		WCF244		
Sampling Date		2023/06/07 17:25		2023/06/07 17:10		
COC Number		n/a		n/a		
	UNITS	ITIVIA CULVERT1 EAST	QC Batch	ITIVIA CULVERT1 WEST	RDL	QC Batch
Calculated Parameters						
Calculated TDS	mg/L	340	8726407	220	1.0	8726407
Dissolved Hardness (CaCO3)	mg/L	162	8742770	153	0.50	8742770
Inorganics						
Total Ammonia-N	mg/L	<0.050	8736022	<0.050	0.050	8736022
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	8744245	<0.00050	0.00050	8744245
Total Dissolved Solids	mg/L	385	8733678	255	10	8733678
Fluoride (F-)	mg/L	0.10	8732820	0.11	0.10	8732820
Orthophosphate (P)	mg/L	<0.010	8732795	<0.010	0.010	8732795
pH	pH	7.76	8732822	7.74		8732822
Total Phosphorus	mg/L	0.063	8736026	0.059	0.020	8736026
Reactive Silica (SiO2)	mg/L	1.1	8748928	2.9	0.050	8748928
Total Suspended Solids	mg/L	35	8730856	43	1	8730856
Turbidity	NTU	4.6	8732167	3.6	0.1	8731277
Alkalinity (Total as CaCO3)	mg/L	67	8732819	110	1.0	8732819
Dissolved Chloride (Cl-)	mg/L	67	8732803	34	1.0	8732803
Nitrite (N)	mg/L	<0.010	8732687	<0.010	0.010	8732104
Nitrate (N)	mg/L	0.48	8732687	<0.10	0.10	8732104
Dissolved Sulphate (SO4)	mg/L	110	8744244	41	0.50	8744244
Nitrate + Nitrite (N)	mg/L	0.48	8732687	<0.10	0.10	8732104
Metals						
Dissolved Aluminum (Al)	mg/L	0.0180	8742772	0.0128	0.0030	8742772
Total Aluminum (Al)	mg/L	0.507	8742769	3.32	0.0030	8742769
Dissolved Antimony (Sb)	mg/L	0.00107	8742772	<0.00050	0.00050	8742772
Total Antimony (Sb)	mg/L	0.00097	8742769	<0.00050	0.00050	8742769
Dissolved Arsenic (As)	mg/L	0.00160	8742772	0.00086	0.00010	8742772
Total Arsenic (As)	mg/L	0.00231	8742769	0.00320	0.00010	8742769
Dissolved Barium (Ba)	mg/L	0.0196	8742772	0.0399	0.0010	8742772
Total Barium (Ba)	mg/L	0.0221	8742769	0.0811	0.0010	8742769
Dissolved Beryllium (Be)	mg/L	<0.00010	8742772	<0.00010	0.00010	8742772
Total Beryllium (Be)	mg/L	<0.00010	8742769	<0.00010	0.00010	8742769

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF243		WCF244		
Sampling Date		2023/06/07 17:25		2023/06/07 17:10		
COC Number		n/a		n/a		
	UNITS	ITIVIA CULVERT1 EAST	QC Batch	ITIVIA CULVERT1 WEST	RDL	QC Batch
Dissolved Bismuth (Bi)	mg/L	<0.0010	8742772	<0.0010	0.0010	8742772
Total Bismuth (Bi)	mg/L	<0.0010	8742769	<0.0010	0.0010	8742769
Dissolved Boron (B)	mg/L	0.065	8742772	<0.050	0.050	8742772
Total Boron (B)	mg/L	0.061	8742769	<0.050	0.050	8742769
Dissolved Cadmium (Cd)	mg/L	0.000011	8742772	<0.000010	0.000010	8742772
Total Cadmium (Cd)	mg/L	0.000018	8742769	0.000031	0.000010	8742769
Dissolved Chromium (Cr)	mg/L	<0.0010	8742772	<0.0010	0.0010	8742772
Total Chromium (Cr)	mg/L	0.0032	8742769	0.0159	0.0010	8742769
Dissolved Cobalt (Co)	mg/L	0.00033	8742772	0.00052	0.00020	8742772
Total Cobalt (Co)	mg/L	0.00119	8742769	0.00369	0.00020	8742769
Dissolved Copper (Cu)	mg/L	0.00448	8742772	0.00400	0.00020	8742772
Total Copper (Cu)	mg/L	0.00727	8742769	0.0141	0.00050	8742769
Dissolved Iron (Fe)	mg/L	0.0115	8742772	0.126	0.0050	8742772
Total Iron (Fe)	mg/L	0.839	8742769	5.42	0.010	8742769
Dissolved Lead (Pb)	mg/L	<0.00020	8742772	<0.00020	0.00020	8742772
Total Lead (Pb)	mg/L	0.00033	8742769	0.00189	0.00020	8742769
Dissolved Lithium (Li)	mg/L	0.0030	8742772	0.0071	0.0020	8742772
Total Lithium (Li)	mg/L	0.0034	8742769	0.0119	0.0020	8742769
Dissolved Manganese (Mn)	mg/L	0.0149	8742772	0.0641	0.0010	8742772
Total Manganese (Mn)	mg/L	0.0258	8742769	0.133	0.0010	8742769
Dissolved Molybdenum (Mo)	mg/L	0.0015	8742772	0.0015	0.0010	8742772
Total Molybdenum (Mo)	mg/L	0.0015	8742769	0.0014	0.0010	8742769
Dissolved Nickel (Ni)	mg/L	0.0034	8742772	0.0038	0.0010	8742772
Total Nickel (Ni)	mg/L	0.0058	8742769	0.0124	0.0010	8742769
Dissolved Selenium (Se)	mg/L	0.00016	8742772	<0.00010	0.00010	8742772
Total Selenium (Se)	mg/L	0.00016	8742769	<0.00010	0.00010	8742769
Dissolved Silicon (Si)	mg/L	0.50	8742772	1.42	0.10	8742772
Total Silicon (Si)	mg/L	1.08	8742769	6.50	0.10	8742769
Dissolved Silver (Ag)	mg/L	<0.000020	8742772	<0.000020	0.000020	8742772
Total Silver (Ag)	mg/L	<0.000020	8742769	<0.000020	0.000020	8742769
Dissolved Strontium (Sr)	mg/L	0.172	8742772	0.311	0.0010	8742772

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF243		WCF244		
Sampling Date		2023/06/07 17:25		2023/06/07 17:10		
COC Number		n/a		n/a		
	UNITS	ITIVIA CULVERT1 EAST	QC Batch	ITIVIA CULVERT1 WEST	RDL	QC Batch
Total Strontium (Sr)	mg/L	0.152	8742769	0.310	0.0010	8742769
Dissolved Thallium (Tl)	mg/L	0.000015	8742772	<0.000010	0.000010	8742772
Total Thallium (Tl)	mg/L	0.000018	8742769	0.000059	0.000010	8742769
Dissolved Tin (Sn)	mg/L	<0.0050	8742772	<0.0050	0.0050	8742772
Total Tin (Sn)	mg/L	<0.0050	8742769	<0.0050	0.0050	8742769
Dissolved Titanium (Ti)	mg/L	<0.0050	8742772	<0.0050	0.0050	8742772
Total Titanium (Ti)	mg/L	0.0234	8742769	0.199	0.0050	8742769
Dissolved Uranium (U)	mg/L	0.00118	8742772	0.00081	0.00010	8742772
Total Uranium (U)	mg/L	0.00112	8742769	0.00096	0.00010	8742769
Dissolved Vanadium (V)	mg/L	<0.0050	8742772	<0.0050	0.0050	8742772
Total Vanadium (V)	mg/L	<0.0050	8742769	0.0097	0.0050	8742769
Dissolved Zinc (Zn)	mg/L	<0.0050	8742772	<0.0050	0.0050	8742772
Total Zinc (Zn)	mg/L	<0.0050	8742769	0.0207	0.0050	8742769
Dissolved Zirconium (Zr)	mg/L	<0.00010	8742772	0.00012	0.00010	8742772
Total Zirconium (Zr)	mg/L	0.00023	8742769	0.00085	0.00010	8742769
Dissolved Calcium (Ca)	mg/L	47.1	8742771	53.1	0.050	8742771
Total Calcium (Ca)	mg/L	43.9	8742768	52.4	0.050	8742768
Dissolved Magnesium (Mg)	mg/L	10.9	8742771	5.06	0.050	8742771
Total Magnesium (Mg)	mg/L	10.4	8742768	6.95	0.050	8742768
Dissolved Potassium (K)	mg/L	6.71	8742771	6.90	0.050	8742771
Total Potassium (K)	mg/L	6.26	8742768	7.60	0.050	8742768
Dissolved Sodium (Na)	mg/L	51.4	8742771	15.6	0.050	8742771
Total Sodium (Na)	mg/L	47.0	8742768	14.9	0.050	8742768
Dissolved Sulphur (S)	mg/L	36.1	8742771	12.7	3.0	8742771
Total Sulphur (S)	mg/L	32.6	8742768	11.5	3.0	8742768
Petroleum Hydrocarbons						
Total Oil & Grease	mg/L	1.5	8736912	1.0	0.50	8736912

RDL = Reportable Detection Limit
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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF245			WCF246		
Sampling Date		2023/06/07 10:20			2023/06/07 10:55		
COC Number		n/a			n/a		
	UNITS	MEL-SR1	RDL	QC Batch	ITIVIA CULVERT1 EAST	RDL	QC Batch
Calculated Parameters							
Calculated TDS	mg/L	310	1.0	8726407	320	1.0	8726407
Dissolved Hardness (CaCO3)	mg/L	190	0.50	8742770	151	0.50	8742770
Inorganics							
Total Ammonia-N	mg/L	0.055	0.050	8736022	0.058	0.050	8736022
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	8744245	<0.00050	0.00050	8744245
Total Dissolved Solids	mg/L	390	10	8730858	375	10	8733678
Fluoride (F-)	mg/L	<0.10	0.10	8732820	<0.10	0.10	8732820
Orthophosphate (P)	mg/L	<0.010	0.010	8732795	<0.010	0.010	8732795
pH	pH	7.83		8732822	7.78		8732822
Total Phosphorus	mg/L	0.50	0.020	8736026	0.14	0.020	8736026
Reactive Silica (SiO2)	mg/L	1.7	0.050	8748928	1.3	0.050	8748923
Total Suspended Solids	mg/L	2300	5	8730856	140	2	8730856
Turbidity	NTU	8.8	0.1	8732167	8.8	0.1	8731277
Alkalinity (Total as CaCO3)	mg/L	74	1.0	8732819	57	1.0	8732819
Dissolved Chloride (Cl-)	mg/L	58	1.0	8732803	70	1.0	8732803
Nitrite (N)	mg/L	<0.010	0.010	8732687	<0.010	0.010	8732687
Nitrate (N)	mg/L	0.18	0.10	8732687	0.43	0.10	8732687
Dissolved Sulphate (SO4)	mg/L	100	0.50	8744244	100	0.50	8744244
Nitrate + Nitrite (N)	mg/L	0.18	0.10	8732687	0.43	0.10	8732687
Metals							
Dissolved Aluminum (Al)	mg/L	0.0086	0.0030	8742772	0.0175	0.0030	8742772
Total Aluminum (Al)	mg/L	12.4	0.0060	8742769	4.54	0.0030	8742769
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	8742772	0.00082	0.00050	8742772
Total Antimony (Sb)	mg/L	<0.0010	0.0010	8742769	0.00078	0.00050	8742769
Dissolved Arsenic (As)	mg/L	0.00157	0.00010	8742772	0.00124	0.00010	8742772
Total Arsenic (As)	mg/L	0.0159	0.00020	8742769	0.00520	0.00010	8742769
Dissolved Barium (Ba)	mg/L	0.0340	0.0010	8742772	0.0183	0.0010	8742772
Total Barium (Ba)	mg/L	0.141	0.0020	8742769	0.0573	0.0010	8742769
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	8742772	<0.00010	0.00010	8742772
Total Beryllium (Be)	mg/L	<0.00020	0.00020	8742769	<0.00010	0.00010	8742769

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF245			WCF246		
Sampling Date		2023/06/07 10:20			2023/06/07 10:55		
COC Number		n/a			n/a		
	UNITS	MEL-SR1	RDL	QC Batch	ITIVIA CULVERT1 EAST	RDL	QC Batch
Dissolved Bismuth (Bi)	mg/L	<0.0010	0.0010	8742772	<0.0010	0.0010	8742772
Total Bismuth (Bi)	mg/L	<0.0020	0.0020	8742769	<0.0010	0.0010	8742769
Dissolved Boron (B)	mg/L	<0.050	0.050	8742772	0.065	0.050	8742772
Total Boron (B)	mg/L	<0.10	0.10	8742769	0.060	0.050	8742769
Dissolved Cadmium (Cd)	mg/L	<0.000010	0.000010	8742772	0.000014	0.000010	8742772
Total Cadmium (Cd)	mg/L	0.000084	0.000020	8742769	0.000052	0.000010	8742769
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	8742772	<0.0010	0.0010	8742772
Total Chromium (Cr)	mg/L	0.0637	0.0020	8742769	0.0244	0.0010	8742769
Dissolved Cobalt (Co)	mg/L	0.00022	0.00020	8742772	0.00032	0.00020	8742772
Total Cobalt (Co)	mg/L	0.0137	0.00040	8742769	0.00550	0.00020	8742769
Dissolved Copper (Cu)	mg/L	0.00314	0.00020	8742772	0.00752	0.00020	8742772
Total Copper (Cu)	mg/L	0.0451	0.0010	8742769	0.0261	0.00050	8742769
Dissolved Iron (Fe)	mg/L	0.0128	0.0050	8742772	0.0122	0.0050	8742772
Total Iron (Fe)	mg/L	19.9	0.020	8742769	6.99	0.010	8742769
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	8742772	<0.00020	0.00020	8742772
Total Lead (Pb)	mg/L	0.00772	0.00040	8742769	0.00220	0.00020	8742769
Dissolved Lithium (Li)	mg/L	0.0112	0.0020	8742772	0.0026	0.0020	8742772
Total Lithium (Li)	mg/L	0.0291	0.0040	8742769	0.0081	0.0020	8742769
Dissolved Manganese (Mn)	mg/L	0.0113	0.0010	8742772	0.0184	0.0010	8742772
Total Manganese (Mn)	mg/L	0.285	0.0020	8742769	0.111	0.0010	8742769
Dissolved Molybdenum (Mo)	mg/L	0.0012	0.0010	8742772	0.0014	0.0010	8742772
Total Molybdenum (Mo)	mg/L	<0.0020	0.0020	8742769	0.0013	0.0010	8742769
Dissolved Nickel (Ni)	mg/L	0.0030	0.0010	8742772	0.0039	0.0010	8742772
Total Nickel (Ni)	mg/L	0.0421	0.0020	8742769	0.0188	0.0010	8742769
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	8742772	0.00015	0.00010	8742772
Total Selenium (Se)	mg/L	<0.00020	0.00020	8742769	0.00018	0.00010	8742769
Dissolved Silicon (Si)	mg/L	0.66	0.10	8742772	0.44	0.10	8742772
Total Silicon (Si)	mg/L	18.2	0.20	8742769	7.01	0.10	8742769
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	8742772	<0.000020	0.000020	8742772
Total Silver (Ag)	mg/L	0.000053	0.000040	8742769	0.000025	0.000020	8742769
Dissolved Strontium (Sr)	mg/L	0.467	0.0010	8742772	0.165	0.0010	8742772

RDL = Reportable Detection Limit
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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF245			WCF246		
Sampling Date		2023/06/07 10:20			2023/06/07 10:55		
COC Number		n/a			n/a		
	UNITS	MEL-SR1	RDL	QC Batch	ITIVIA CULVERT1 EAST	RDL	QC Batch
Total Strontium (Sr)	mg/L	0.486	0.0020	8742769	0.150	0.0010	8742769
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	8742772	<0.000010	0.000010	8742772
Total Thallium (Tl)	mg/L	0.000177	0.000020	8742769	0.000067	0.000010	8742769
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	8742772	<0.0050	0.0050	8742772
Total Tin (Sn)	mg/L	<0.010	0.010	8742769	<0.0050	0.0050	8742769
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	8742772	<0.0050	0.0050	8742772
Total Titanium (Ti)	mg/L	0.661	0.010	8742769	0.231	0.0050	8742769
Dissolved Uranium (U)	mg/L	0.00129	0.00010	8742772	0.00096	0.00010	8742772
Total Uranium (U)	mg/L	0.00179	0.00020	8742769	0.00114	0.00010	8742769
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	8742772	<0.0050	0.0050	8742772
Total Vanadium (V)	mg/L	0.033	0.010	8742769	0.0122	0.0050	8742769
Dissolved Zinc (Zn)	mg/L	0.0104	0.0050	8742772	<0.0050	0.0050	8742772
Total Zinc (Zn)	mg/L	0.121	0.010	8742769	0.0233	0.0050	8742769
Dissolved Zirconium (Zr)	mg/L	<0.00010	0.00010	8742772	<0.00010	0.00010	8742772
Total Zirconium (Zr)	mg/L	0.00189	0.00020	8742769	0.00085	0.00010	8742769
Dissolved Calcium (Ca)	mg/L	60.8	0.050	8742771	43.1	0.050	8742771
Total Calcium (Ca)	mg/L	63.5	0.10	8742768	42.3	0.050	8742768
Dissolved Magnesium (Mg)	mg/L	9.25	0.050	8742771	10.4	0.050	8742771
Total Magnesium (Mg)	mg/L	16.8	0.10	8742768	12.4	0.050	8742768
Dissolved Potassium (K)	mg/L	5.66	0.050	8742771	6.48	0.050	8742771
Total Potassium (K)	mg/L	8.68	0.10	8742768	7.09	0.050	8742768
Dissolved Sodium (Na)	mg/L	32.4	0.050	8742771	50.6	0.050	8742771
Total Sodium (Na)	mg/L	30.2	0.10	8742768	45.7	0.050	8742768
Dissolved Sulphur (S)	mg/L	33.2	3.0	8742771	33.5	3.0	8742771
Total Sulphur (S)	mg/L	29.6	6.0	8742768	29.6	3.0	8742768
Petroleum Hydrocarbons							
Total Oil & Grease	mg/L	2.3	0.50	8736912	1.9	0.50	8736912

RDL = Reportable Detection Limit
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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF247		
Sampling Date		2023/06/07 11:05		
COC Number		n/a		
	UNITS	ITIVIA CULVERT1 WEST	RDL	QC Batch
Calculated Parameters				
Calculated TDS	mg/L	160	1.0	8726407
Dissolved Hardness (CaCO3)	mg/L	113	0.50	8742770
Inorganics				
Total Ammonia-N	mg/L	0.050	0.050	8736022
Strong Acid Dissoc. Cyanide (CN)	mg/L	<0.00050	0.00050	8744245
Total Dissolved Solids	mg/L	345	10	8730858
Fluoride (F-)	mg/L	<0.10	0.10	8732820
Orthophosphate (P)	mg/L	0.014	0.010	8732795
pH	pH	7.76		8732822
Total Phosphorus	mg/L	0.082	0.020	8736026
Reactive Silica (SiO2)	mg/L	2.1	0.050	8748928
Total Suspended Solids	mg/L	58	1	8730853
Turbidity	NTU	10	0.1	8731277
Alkalinity (Total as CaCO3)	mg/L	74	1.0	8732819
Dissolved Chloride (Cl-)	mg/L	28	1.0	8732803
Nitrite (N)	mg/L	0.015	0.010	8732104
Nitrate (N)	mg/L	0.15	0.10	8732104
Dissolved Sulphate (SO4)	mg/L	31	0.50	8744244
Nitrate + Nitrite (N)	mg/L	0.16	0.10	8732104
Metals				
Dissolved Aluminum (Al)	mg/L	0.0117	0.0030	8742772
Total Aluminum (Al)	mg/L	1.82	0.0030	8742769
Dissolved Antimony (Sb)	mg/L	<0.00050	0.00050	8742772
Total Antimony (Sb)	mg/L	<0.00050	0.00050	8742769
Dissolved Arsenic (As)	mg/L	0.00102	0.00010	8742772
Total Arsenic (As)	mg/L	0.00240	0.00010	8742769
Dissolved Barium (Ba)	mg/L	0.0290	0.0010	8742772
Total Barium (Ba)	mg/L	0.0490	0.0010	8742769
Dissolved Beryllium (Be)	mg/L	<0.00010	0.00010	8742772
Total Beryllium (Be)	mg/L	<0.00010	0.00010	8742769

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF247		
Sampling Date		2023/06/07 11:05		
COC Number		n/a		
	UNITS	ITIVIA CULVERT1 WEST	RDL	QC Batch
Dissolved Bismuth (Bi)	mg/L	<0.0010	0.0010	8742772
Total Bismuth (Bi)	mg/L	<0.0010	0.0010	8742769
Dissolved Boron (B)	mg/L	<0.050	0.050	8742772
Total Boron (B)	mg/L	<0.050	0.050	8742769
Dissolved Cadmium (Cd)	mg/L	<0.000010	0.000010	8742772
Total Cadmium (Cd)	mg/L	0.000020	0.000010	8742769
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	8742772
Total Chromium (Cr)	mg/L	0.0092	0.0010	8742769
Dissolved Cobalt (Co)	mg/L	0.00038	0.00020	8742772
Total Cobalt (Co)	mg/L	0.00230	0.00020	8742769
Dissolved Copper (Cu)	mg/L	0.00372	0.00020	8742772
Total Copper (Cu)	mg/L	0.0103	0.00050	8742769
Dissolved Iron (Fe)	mg/L	0.0910	0.0050	8742772
Total Iron (Fe)	mg/L	2.97	0.010	8742769
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	8742772
Total Lead (Pb)	mg/L	0.00156	0.00020	8742769
Dissolved Lithium (Li)	mg/L	0.0060	0.0020	8742772
Total Lithium (Li)	mg/L	0.0079	0.0020	8742769
Dissolved Manganese (Mn)	mg/L	0.0417	0.0010	8742772
Total Manganese (Mn)	mg/L	0.0765	0.0010	8742769
Dissolved Molybdenum (Mo)	mg/L	0.0011	0.0010	8742772
Total Molybdenum (Mo)	mg/L	0.0011	0.0010	8742769
Dissolved Nickel (Ni)	mg/L	0.0024	0.0010	8742772
Total Nickel (Ni)	mg/L	0.0075	0.0010	8742769
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	8742772
Total Selenium (Se)	mg/L	<0.00010	0.00010	8742769
Dissolved Silicon (Si)	mg/L	0.83	0.10	8742772
Total Silicon (Si)	mg/L	3.68	0.10	8742769
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	8742772
Total Silver (Ag)	mg/L	<0.000020	0.000020	8742769
Dissolved Strontium (Sr)	mg/L	0.227	0.0010	8742772

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WCF247		
Sampling Date		2023/06/07 11:05		
COC Number		n/a		
	UNITS	ITIVIA CULVERT1 WEST	RDL	QC Batch
Total Strontium (Sr)	mg/L	0.215	0.0010	8742769
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	8742772
Total Thallium (Tl)	mg/L	0.000030	0.000010	8742769
Dissolved Tin (Sn)	mg/L	<0.0050	0.0050	8742772
Total Tin (Sn)	mg/L	<0.0050	0.0050	8742769
Dissolved Titanium (Ti)	mg/L	<0.0050	0.0050	8742772
Total Titanium (Ti)	mg/L	0.0965	0.0050	8742769
Dissolved Uranium (U)	mg/L	0.00063	0.00010	8742772
Total Uranium (U)	mg/L	0.00068	0.00010	8742769
Dissolved Vanadium (V)	mg/L	<0.0050	0.0050	8742772
Total Vanadium (V)	mg/L	0.0052	0.0050	8742769
Dissolved Zinc (Zn)	mg/L	<0.0050	0.0050	8742772
Total Zinc (Zn)	mg/L	0.0151	0.0050	8742769
Dissolved Zirconium (Zr)	mg/L	<0.00010	0.00010	8742772
Total Zirconium (Zr)	mg/L	0.00053	0.00010	8742769
Dissolved Calcium (Ca)	mg/L	38.8	0.050	8742771
Total Calcium (Ca)	mg/L	36.0	0.050	8742768
Dissolved Magnesium (Mg)	mg/L	3.86	0.050	8742771
Total Magnesium (Mg)	mg/L	4.68	0.050	8742768
Dissolved Potassium (K)	mg/L	5.24	0.050	8742771
Total Potassium (K)	mg/L	5.36	0.050	8742768
Dissolved Sodium (Na)	mg/L	12.1	0.050	8742771
Total Sodium (Na)	mg/L	11.1	0.050	8742768
Dissolved Sulphur (S)	mg/L	10.1	3.0	8742771
Total Sulphur (S)	mg/L	8.6	3.0	8742768
Petroleum Hydrocarbons				
Total Oil & Grease	mg/L	1.4	0.50	8736912

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		WCF242		WCF243	WCF244		
Sampling Date		2023/06/07 17:40		2023/06/07 17:25	2023/06/07 17:10		
COC Number		n/a		n/a	n/a		
	UNITS	MEL-SR1	QC Batch	ITIVIA CULVERT1 EAST	ITIVIA CULVERT1 WEST	RDL	QC Batch
Calculated Parameters							
Total Hardness (CaCO3)	mg/L	183	8742767	152	159	0.50	8742767
Metals							
Mercury (Hg)	mg/L	<0.00001	8734229	<0.00001	<0.00001	0.00001	8734320

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		WCF245	WCF246	WCF247		
Sampling Date		2023/06/07 10:20	2023/06/07 10:55	2023/06/07 11:05		
COC Number		n/a	n/a	n/a		
	UNITS	MEL-SR1	ITIVIA CULVERT1 EAST	ITIVIA CULVERT1 WEST	RDL	QC Batch
Calculated Parameters						
Total Hardness (CaCO3)	mg/L	228	157	109	0.50	8742767
Metals						
Mercury (Hg)	mg/L	<0.00001	<0.00001	<0.00001	0.00001	8734229

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

TEST SUMMARY

Bureau Veritas ID: WCF242
Sample ID: MEL-SR1
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8732819	N/A	2023/06/17	Yogesh Patel
Chloride by Automated Colourimetry	KONE	8735091	N/A	2023/06/19	Massarat Jan
Fluoride	ISE	8732820	2023/06/16	2023/06/19	Kien Tran
Mercury (low level)	CV/AA	8734229	2023/06/17	2023/06/19	Jaswinder Kaur
Low Level Chloride and Sulphate by AC	KONE	8744244	N/A	2023/06/21	Shanna McKort
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8744245	2023/06/20	2023/06/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8742767	N/A	2023/06/20	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8742770	N/A	2023/06/20	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8742771	N/A	2023/06/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8742772	N/A	2023/06/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8742768	2023/06/20	2023/06/20	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8742769	2023/06/19	2023/06/20	Andrew An
Silica (Reactive)	KONE	8748928	N/A	2023/06/22	Marjolen Busslinger
Total Ammonia-N	LACH/NH4	8736022	N/A	2023/06/20	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8732687	N/A	2023/06/20	Chandra Nandlal
Total Oil and Grease	BAL	8736912	2023/06/19	2023/06/19	Kishan Patel
pH	AT	8732822	2023/06/16	2023/06/17	Yogesh Patel
Orthophosphate	KONE	8735096	N/A	2023/06/19	Massarat Jan
Calculated Total Dissolved Solids	CALC	8726407	N/A	2023/06/26	Automated Statchk
Total Dissolved Solids	BAL	8730858	2023/06/17	2023/06/19	Razieh Tabesh
Total Phosphorus (Colourimetric)	SKAL/P	8736026	2023/06/19	2023/06/19	Sachi Patel
Low Level Total Suspended Solids	BAL	8730856	2023/06/19	2023/06/19	Darshan Patel
Turbidity	AT	8732167	N/A	2023/06/17	Gurparteek KAUR

Bureau Veritas ID: WCF242 Dup
Sample ID: MEL-SR1
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Low Level Total Suspended Solids	BAL	8730856	2023/06/19	2023/06/19	Darshan Patel
Turbidity	AT	8732167	N/A	2023/06/17	Gurparteek KAUR

Bureau Veritas ID: WCF243
Sample ID: ITIVIA CULVERT1 EAST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8732819	N/A	2023/06/17	Yogesh Patel
Chloride by Automated Colourimetry	KONE	8732803	N/A	2023/06/19	Alina Dobreanu
Fluoride	ISE	8732820	2023/06/16	2023/06/19	Kien Tran
Mercury (low level)	CV/AA	8734320	2023/06/17	2023/06/19	Jaswinder Kaur
Low Level Chloride and Sulphate by AC	KONE	8744244	N/A	2023/06/21	Shanna McKort
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8744245	2023/06/20	2023/06/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8742767	N/A	2023/06/20	Automated Statchk

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

TEST SUMMARY

Bureau Veritas ID: WCF243
Sample ID: ITIVIA CULVERT1 EAST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hardness (calculated as CaCO3)	CALC	8742770	N/A	2023/06/20	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8742771	N/A	2023/06/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8742772	N/A	2023/06/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8742768	2023/06/20	2023/06/20	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8742769	2023/06/19	2023/06/20	Andrew An
Silica (Reactive)	KONE	8748928	N/A	2023/06/22	Marjolen Busslinger
Total Ammonia-N	LACH/NH4	8736022	N/A	2023/06/20	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8732687	N/A	2023/06/20	Chandra Nandlal
Total Oil and Grease	BAL	8736912	2023/06/19	2023/06/19	Kishan Patel
pH	AT	8732822	2023/06/16	2023/06/17	Yogesh Patel
Orthophosphate	KONE	8732795	N/A	2023/06/19	Alina Dobreanu
Calculated Total Dissolved Solids	CALC	8726407	N/A	2023/06/26	Automated Statchk
Total Dissolved Solids	BAL	8733678	2023/06/17	2023/06/19	Shaneil Hall
Total Phosphorus (Colourimetric)	SKAL/P	8736026	2023/06/19	2023/06/19	Sachi Patel
Low Level Total Suspended Solids	BAL	8730856	2023/06/19	2023/06/19	Darshan Patel
Turbidity	AT	8732167	N/A	2023/06/17	Gurparteek KAUR

Bureau Veritas ID: WCF244
Sample ID: ITIVIA CULVERT1 WEST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8732819	N/A	2023/06/17	Yogesh Patel
Chloride by Automated Colourimetry	KONE	8732803	N/A	2023/06/19	Alina Dobreanu
Fluoride	ISE	8732820	2023/06/16	2023/06/19	Kien Tran
Mercury (low level)	CV/AA	8734320	2023/06/17	2023/06/19	Jaswinder Kaur
Low Level Chloride and Sulphate by AC	KONE	8744244	N/A	2023/06/21	Shanna McKort
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8744245	2023/06/20	2023/06/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8742767	N/A	2023/06/20	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8742770	N/A	2023/06/20	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8742771	N/A	2023/06/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8742772	N/A	2023/06/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8742768	2023/06/20	2023/06/20	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8742769	2023/06/19	2023/06/20	Andrew An
Silica (Reactive)	KONE	8748928	N/A	2023/06/22	Marjolen Busslinger
Total Ammonia-N	LACH/NH4	8736022	N/A	2023/06/20	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8732104	N/A	2023/06/16	Chandra Nandlal
Total Oil and Grease	BAL	8736912	2023/06/19	2023/06/19	Kishan Patel
pH	AT	8732822	2023/06/16	2023/06/17	Yogesh Patel
Orthophosphate	KONE	8732795	N/A	2023/06/19	Alina Dobreanu
Calculated Total Dissolved Solids	CALC	8726407	N/A	2023/06/26	Automated Statchk
Total Dissolved Solids	BAL	8733678	2023/06/17	2023/06/19	Shaneil Hall
Total Phosphorus (Colourimetric)	SKAL/P	8736026	2023/06/19	2023/06/19	Sachi Patel
Low Level Total Suspended Solids	BAL	8730856	2023/06/19	2023/06/19	Darshan Patel

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

TEST SUMMARY

Bureau Veritas ID: WCF244
Sample ID: ITIVIA CULVERT1 WEST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Turbidity	AT	8731277	N/A	2023/06/16	Gurparteek KAUR

Bureau Veritas ID: WCF245
Sample ID: MEL-SR1
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8732819	N/A	2023/06/17	Yogesh Patel
Chloride by Automated Colourimetry	KONE	8732803	N/A	2023/06/19	Alina Dobreanu
Fluoride	ISE	8732820	2023/06/16	2023/06/19	Kien Tran
Mercury (low level)	CV/AA	8734229	2023/06/17	2023/06/19	Jaswinder Kaur
Low Level Chloride and Sulphate by AC	KONE	8744244	N/A	2023/06/21	Shanna McKort
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8744245	2023/06/20	2023/06/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8742767	N/A	2023/06/20	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8742770	N/A	2023/06/20	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8742771	N/A	2023/06/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8742772	N/A	2023/06/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8742768	2023/06/20	2023/06/20	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8742769	2023/06/19	2023/06/20	Andrew An
Silica (Reactive)	KONE	8748928	N/A	2023/06/22	Marjolen Busslinger
Total Ammonia-N	LACH/NH4	8736022	N/A	2023/06/20	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8732687	N/A	2023/06/20	Chandra Nandlal
Total Oil and Grease	BAL	8736912	2023/06/19	2023/06/19	Kishan Patel
pH	AT	8732822	2023/06/16	2023/06/17	Yogesh Patel
Orthophosphate	KONE	8732795	N/A	2023/06/19	Alina Dobreanu
Calculated Total Dissolved Solids	CALC	8726407	N/A	2023/06/26	Automated Statchk
Total Dissolved Solids	BAL	8730858	2023/06/17	2023/06/19	Razieh Tabesh
Total Phosphorus (Colourimetric)	SKAL/P	8736026	2023/06/19	2023/06/19	Sachi Patel
Low Level Total Suspended Solids	BAL	8730856	2023/06/19	2023/06/19	Darshan Patel
Turbidity	AT	8732167	N/A	2023/06/17	Gurparteek KAUR

Bureau Veritas ID: WCF246
Sample ID: ITIVIA CULVERT1 EAST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8732819	N/A	2023/06/17	Yogesh Patel
Chloride by Automated Colourimetry	KONE	8732803	N/A	2023/06/19	Alina Dobreanu
Fluoride	ISE	8732820	2023/06/16	2023/06/19	Kien Tran
Mercury (low level)	CV/AA	8734229	2023/06/17	2023/06/19	Jaswinder Kaur
Low Level Chloride and Sulphate by AC	KONE	8744244	N/A	2023/06/21	Shanna McKort
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8744245	2023/06/20	2023/06/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8742767	N/A	2023/06/20	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8742770	N/A	2023/06/20	Automated Statchk

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

TEST SUMMARY

Bureau Veritas ID: WCF246
Sample ID: ITIVIA CULVERT1 EAST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8742771	N/A	2023/06/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8742772	N/A	2023/06/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8742768	2023/06/20	2023/06/20	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8742769	2023/06/19	2023/06/20	Andrew An
Silica (Reactive)	KONE	8748923	N/A	2023/06/22	Marjolen Busslinger
Total Ammonia-N	LACH/NH4	8736022	N/A	2023/06/20	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8732687	N/A	2023/06/20	Chandra Nandlal
Total Oil and Grease	BAL	8736912	2023/06/19	2023/06/19	Kishan Patel
pH	AT	8732822	2023/06/16	2023/06/17	Yogesh Patel
Orthophosphate	KONE	8732795	N/A	2023/06/19	Alina Dobreanu
Calculated Total Dissolved Solids	CALC	8726407	N/A	2023/06/26	Automated Statchk
Total Dissolved Solids	BAL	8733678	2023/06/17	2023/06/19	Shaneil Hall
Total Phosphorus (Colourimetric)	SKAL/P	8736026	2023/06/19	2023/06/19	Sachi Patel
Low Level Total Suspended Solids	BAL	8730856	2023/06/19	2023/06/19	Darshan Patel
Turbidity	AT	8731277	N/A	2023/06/16	Gurparteek KAUR

Bureau Veritas ID: WCF247
Sample ID: ITIVIA CULVERT1 WEST
Matrix: Water

Collected: 2023/06/07
Shipped:
Received: 2023/06/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	8732819	N/A	2023/06/17	Yogesh Patel
Chloride by Automated Colourimetry	KONE	8732803	N/A	2023/06/19	Alina Dobreanu
Fluoride	ISE	8732820	2023/06/16	2023/06/19	Kien Tran
Mercury (low level)	CV/AA	8734229	2023/06/17	2023/06/19	Jaswinder Kaur
Low Level Chloride and Sulphate by AC	KONE	8744244	N/A	2023/06/21	Shanna McKort
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	8744245	2023/06/20	2023/06/20	Ming Dong
Hardness Total (calculated as CaCO3)	CALC	8742767	N/A	2023/06/20	Automated Statchk
Hardness (calculated as CaCO3)	CALC	8742770	N/A	2023/06/20	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	8742771	N/A	2023/06/20	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	8742772	N/A	2023/06/19	Andrew An
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	8742768	2023/06/20	2023/06/20	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	8742769	2023/06/19	2023/06/20	Andrew An
Silica (Reactive)	KONE	8748928	N/A	2023/06/22	Marjolen Busslinger
Total Ammonia-N	LACH/NH4	8736022	N/A	2023/06/20	Prabhjot Kaur
Nitrate & Nitrite as Nitrogen in Water	LACH	8732104	N/A	2023/06/16	Chandra Nandlal
Total Oil and Grease	BAL	8736912	2023/06/19	2023/06/19	Kishan Patel
pH	AT	8732822	2023/06/16	2023/06/17	Yogesh Patel
Orthophosphate	KONE	8732795	N/A	2023/06/19	Alina Dobreanu
Calculated Total Dissolved Solids	CALC	8726407	N/A	2023/06/26	Automated Statchk
Total Dissolved Solids	BAL	8730858	2023/06/17	2023/06/19	Razieh Tabesh
Total Phosphorus (Colourimetric)	SKAL/P	8736026	2023/06/19	2023/06/19	Sachi Patel
Low Level Total Suspended Solids	BAL	8730853	2023/06/16	2023/06/19	Razieh Tabesh
Turbidity	AT	8731277	N/A	2023/06/16	Gurparteek KAUR

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GENERAL COMMENTS

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

Package 1	19.7°C

Revised Report [2023/07/05]:Sample IDs amended per client request
Revised Report [2023/06/30]: Report resent to client, no modifications
Revised Report [2023/06/27]: Amended sample ID MEL-SR1B

Results relate only to the items tested.

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

QUALITY ASSURANCE REPORT

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

			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
8730853	Total Suspended Solids	2023/06/19			95	85 - 115	<1	mg/L	6.5	20		
8730856	Total Suspended Solids	2023/06/19			97	85 - 115	<1	mg/L	17	20		
8730858	Total Dissolved Solids	2023/06/19			102	90 - 110	<10	mg/L	0.63	20		
8731277	Turbidity	2023/06/16			99	80 - 120	<0.1	NTU	1.1	20		
8732104	Nitrate (N)	2023/06/16	92	80 - 120	97	80 - 120	<0.10	mg/L	NC	20		
8732104	Nitrite (N)	2023/06/16	95	80 - 120	102	80 - 120	<0.010	mg/L	NC	20		
8732167	Turbidity	2023/06/17			98	80 - 120	<0.1	NTU	2.1	20		
8732687	Nitrate (N)	2023/06/20	104	80 - 120	106	80 - 120	<0.10	mg/L	0.37	20		
8732687	Nitrite (N)	2023/06/20	103	80 - 120	97	80 - 120	<0.010	mg/L	NC	20		
8732795	Orthophosphate (P)	2023/06/19	91	75 - 125	91	80 - 120	<0.010	mg/L	NC	20		
8732803	Dissolved Chloride (Cl-)	2023/06/19	NC	80 - 120	92	80 - 120	<1.0	mg/L	1.8	20		
8732819	Alkalinity (Total as CaCO3)	2023/06/17			96	85 - 115	<1.0	mg/L	0.21	20		
8732820	Fluoride (F-)	2023/06/19	101	80 - 120	99	80 - 120	<0.10	mg/L	NC	20		
8732822	pH	2023/06/17			102	98 - 103			0.22	N/A		
8733678	Total Dissolved Solids	2023/06/19			98	90 - 110	<10	mg/L	2.0	20		
8734229	Mercury (Hg)	2023/06/19	100	75 - 125	98	80 - 120	<0.00001	mg/L	NC	20		
8734320	Mercury (Hg)	2023/06/19	91	75 - 125	99	80 - 120	<0.00001	mg/L	NC	20		
8735091	Dissolved Chloride (Cl-)	2023/06/19	98	80 - 120	95	80 - 120	<1.0	mg/L	11	20		
8735096	Orthophosphate (P)	2023/06/19	94	75 - 125	95	80 - 120	<0.010	mg/L	9.9	20		
8736022	Total Ammonia-N	2023/06/20	103	75 - 125	103	80 - 120	<0.050	mg/L	NC	20		
8736026	Total Phosphorus	2023/06/19	95	80 - 120	100	80 - 120	<0.020	mg/L	2.3	20	98	80 - 120
8736912	Total Oil & Grease	2023/06/19			99	85 - 115	<0.50	mg/L	0.51	25		
8742769	Total Aluminum (Al)	2023/06/20	101	80 - 120	101	80 - 120	<0.0030	mg/L				
8742769	Total Antimony (Sb)	2023/06/20	104	80 - 120	102	80 - 120	<0.00050	mg/L				
8742769	Total Arsenic (As)	2023/06/20	108	80 - 120	101	80 - 120	<0.00010	mg/L				
8742769	Total Barium (Ba)	2023/06/20	NC	80 - 120	101	80 - 120	<0.0010	mg/L				
8742769	Total Beryllium (Be)	2023/06/20	96	80 - 120	97	80 - 120	<0.00010	mg/L				
8742769	Total Bismuth (Bi)	2023/06/20	95	80 - 120	100	80 - 120	<0.0010	mg/L				
8742769	Total Boron (B)	2023/06/20	101	80 - 120	102	80 - 120	<0.050	mg/L				
8742769	Total Cadmium (Cd)	2023/06/20	99	80 - 120	100	80 - 120	<0.000010	mg/L				
8742769	Total Chromium (Cr)	2023/06/20	NC	80 - 120	96	80 - 120	<0.0010	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
8742769	Total Cobalt (Co)	2023/06/20	91	80 - 120	96	80 - 120	<0.00020	mg/L				
8742769	Total Copper (Cu)	2023/06/20	85	80 - 120	94	80 - 120	<0.00050	mg/L				
8742769	Total Iron (Fe)	2023/06/20	102	80 - 120	101	80 - 120	<0.010	mg/L				
8742769	Total Lead (Pb)	2023/06/20	97	80 - 120	99	80 - 120	<0.00020	mg/L				
8742769	Total Lithium (Li)	2023/06/20	97	80 - 120	100	80 - 120	<0.0020	mg/L				
8742769	Total Manganese (Mn)	2023/06/20	95	80 - 120	100	80 - 120	<0.0010	mg/L				
8742769	Total Molybdenum (Mo)	2023/06/20	NC	80 - 120	105	80 - 120	<0.0010	mg/L				
8742769	Total Nickel (Ni)	2023/06/20	90	80 - 120	98	80 - 120	<0.0010	mg/L				
8742769	Total Selenium (Se)	2023/06/20	101	80 - 120	100	80 - 120	<0.00010	mg/L				
8742769	Total Silicon (Si)	2023/06/20	NC	80 - 120	102	80 - 120	<0.10	mg/L				
8742769	Total Silver (Ag)	2023/06/20	99	80 - 120	101	80 - 120	<0.000020	mg/L				
8742769	Total Strontium (Sr)	2023/06/20	NC	80 - 120	102	80 - 120	<0.0010	mg/L				
8742769	Total Thallium (Tl)	2023/06/20	100	80 - 120	100	80 - 120	<0.000010	mg/L				
8742769	Total Tin (Sn)	2023/06/20	102	80 - 120	101	80 - 120	<0.0050	mg/L				
8742769	Total Titanium (Ti)	2023/06/20	101	80 - 120	100	80 - 120	<0.0050	mg/L				
8742769	Total Uranium (U)	2023/06/20	107	80 - 120	103	80 - 120	<0.00010	mg/L				
8742769	Total Vanadium (V)	2023/06/20	100	80 - 120	99	80 - 120	<0.0050	mg/L				
8742769	Total Zinc (Zn)	2023/06/20	89	80 - 120	100	80 - 120	<0.0050	mg/L				
8742769	Total Zirconium (Zr)	2023/06/20	112	80 - 120	103	80 - 120	<0.00010	mg/L				
8742772	Dissolved Aluminum (Al)	2023/06/19	101	80 - 120	103	80 - 120	<0.0030	mg/L				
8742772	Dissolved Antimony (Sb)	2023/06/19	105	80 - 120	104	80 - 120	<0.00050	mg/L				
8742772	Dissolved Arsenic (As)	2023/06/19	105	80 - 120	104	80 - 120	<0.00010	mg/L				
8742772	Dissolved Barium (Ba)	2023/06/19	99	80 - 120	103	80 - 120	<0.0010	mg/L				
8742772	Dissolved Beryllium (Be)	2023/06/19	99	80 - 120	101	80 - 120	<0.00010	mg/L				
8742772	Dissolved Bismuth (Bi)	2023/06/19	97	80 - 120	99	80 - 120	<0.0010	mg/L				
8742772	Dissolved Boron (B)	2023/06/19	99	80 - 120	103	80 - 120	<0.050	mg/L				
8742772	Dissolved Cadmium (Cd)	2023/06/19	101	80 - 120	102	80 - 120	<0.000010	mg/L				
8742772	Dissolved Chromium (Cr)	2023/06/19	95	80 - 120	97	80 - 120	<0.0010	mg/L				
8742772	Dissolved Cobalt (Co)	2023/06/19	93	80 - 120	98	80 - 120	<0.00020	mg/L				
8742772	Dissolved Copper (Cu)	2023/06/19	89	80 - 120	96	80 - 120	<0.00020	mg/L				
8742772	Dissolved Iron (Fe)	2023/06/19	103	80 - 120	103	80 - 120	<0.0050	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
8742772	Dissolved Lead (Pb)	2023/06/19	96	80 - 120	99	80 - 120	<0.00020	mg/L				
8742772	Dissolved Lithium (Li)	2023/06/19	95	80 - 120	100	80 - 120	<0.0020	mg/L				
8742772	Dissolved Manganese (Mn)	2023/06/19	97	80 - 120	101	80 - 120	<0.0010	mg/L				
8742772	Dissolved Molybdenum (Mo)	2023/06/19	NC	80 - 120	106	80 - 120	<0.0010	mg/L				
8742772	Dissolved Nickel (Ni)	2023/06/19	94	80 - 120	100	80 - 120	<0.0010	mg/L				
8742772	Dissolved Selenium (Se)	2023/06/19	101	80 - 120	103	80 - 120	<0.00010	mg/L				
8742772	Dissolved Silicon (Si)	2023/06/19	NC	80 - 120	110	80 - 120	<0.10	mg/L				
8742772	Dissolved Silver (Ag)	2023/06/19	102	80 - 120	103	80 - 120	<0.000020	mg/L				
8742772	Dissolved Strontium (Sr)	2023/06/19	NC	80 - 120	104	80 - 120	<0.0010	mg/L				
8742772	Dissolved Thallium (Tl)	2023/06/19	99	80 - 120	102	80 - 120	<0.000010	mg/L				
8742772	Dissolved Tin (Sn)	2023/06/19	106	80 - 120	104	80 - 120	<0.0050	mg/L				
8742772	Dissolved Titanium (Ti)	2023/06/19	102	80 - 120	102	80 - 120	<0.0050	mg/L				
8742772	Dissolved Uranium (U)	2023/06/19	104	80 - 120	104	80 - 120	<0.00010	mg/L				
8742772	Dissolved Vanadium (V)	2023/06/19	101	80 - 120	101	80 - 120	<0.0050	mg/L				
8742772	Dissolved Zinc (Zn)	2023/06/19	98	80 - 120	101	80 - 120	<0.0050	mg/L				
8742772	Dissolved Zirconium (Zr)	2023/06/19	109	80 - 120	105	80 - 120	<0.00010	mg/L				
8744244	Dissolved Sulphate (SO4)	2023/06/21	NC	80 - 120	99	80 - 120	<0.50	mg/L				
8744245	Strong Acid Dissoc. Cyanide (CN)	2023/06/20	96	80 - 120	97	80 - 120	<0.00050	mg/L				
8748923	Reactive Silica (SiO2)	2023/06/22	NC	80 - 120	96	80 - 120	<0.050	mg/L				
8748928	Reactive Silica (SiO2)	2023/06/22	NC	80 - 120	105	80 - 120	<0.050	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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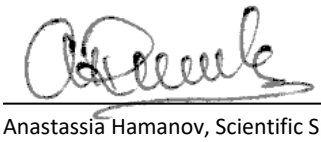
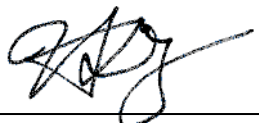
VALIDATION SIGNATURE PAGE

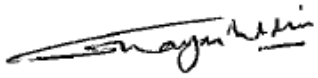
The analytical data and all QC contained in this report were reviewed and validated by:



Anastassia Hamanov, Scientific Specialist



David Huang, BBY Scientific Specialist



Ghayasuddin Khan, M.Sc., P.Chem., QP, Scientific Specialist, Inorganics

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

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Bureau Veritas Job #: C3H2457
Report Date: 2023/07/05

Agnico-Eagle
Site Location: MELIADINE
Your P.O. #: 1253250
Sampler Initials: SG

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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