

Appendix 28

Meadowbank 2022 GN spills reports



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

| | | | | | |
|-----------------------|--|--|---|--|---|
| A | REPORT DATE: MONTH – DAY – YEAR 02-28-2022 | REPORT TIME 11:00 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | REPORT NUMBER _____ | |
| | B | OCCURRENCE DATE: MONTH – DAY – YEAR 02-27-2022 | | | OCCURRENCE TIME 13:00 |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14 | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | | |
| | D | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION MEADOWBANK MINE SITE | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | |
| E | LATITUDE DEGREES 65 MINUTES 01 SECONDS 09 | LONGITUDE DEGREES 96 MINUTES 03 SECONDS 13 | | | |
| | F | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | |
| G | ANY CONTRACTOR INVOLVED | CONTRACTOR ADDRESS OR OFFICE LOCATION | | | |
| H | PRODUCT SPILLED DIESEL FUEL | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 700L | U.N. NUMBER | | |
| | SECOND PRODUCT SPILLED (IF APPLICABLE) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | | |
| I | SPILL SOURCE PUMP | SPILL CAUSE EQUIPMENT FAILURE | AREA OF CONTAMINATION IN SQUARE METRES 20 | | |
| J | FACTORS AFFECTING SPILL OR RECOVERY | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | | |
| K | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS | | | | |
| | <p>During operations at Meadowbank, upon arrival of the pump maintenance crew at the reclaim station it was noticed that the equipment tank had failed emptying its contents in the Pit E tailing storage facility. Ultimately, the contaminated snow/ice will be reclaimed and eliminated in the mill process.</p> <p>There were no off site impacts or discharges to any receiving watercourses. Distance to the closest lake is 400m to Second Portage Lake.</p> <p>Spill Location: Northing: 65'01'00.5" Easting: 96' 03'06.6"</p> <p>Contact Information: Samuel Tapp 819 759 3555 ext. 4606744</p> | | | | |
| L | REPORTED TO SPILL LINE BY Samuel Tapp | POSITION Env. Coordinator | EMPLOYER Agnico Eagle Mines | LOCATION CALLING FROM 819-759-3555 | TELEPHONE 4606744 |
| | M | ANY ALTERNATE CONTACT Alex Lavellee | POSITION Env. Superintendent | EMPLOYER Agnico Eagle Mines | ALTERNATE CONTACT LOCATION 819-860-0804 |
| REPORT LINE USE ONLY | | | | | |
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
| | LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY | | CONTACT NAME | CONTACT TIME | REMARKS | |
| LEAD AGENCY | | | | | |
| FIRST SUPPORT AGENCY | | | | | |
| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



AGNICO EAGLE

2022-02-27 MBK 700L Diesel

GN reference #: 2022-060

Please find the following information as a follow up to the Spill report submitted February 27, 2022 by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at Meadowbank, upon arrival of the pump maintenance crew at the reclaim station it was noticed that the equipment fuel tank had failed emptying its contents in the Pit E tailing storage facility.



Spill location: 65'01'00.5" 96' 03'06.6"

There were no off-site impacts or discharge to any receiving watercourses. Distance to the closest water body is 400 meters to Second Portage Lake.

Cause of Spill

Further investigation revealed that the fuel tank of the pump had been damaged by debris on the floor during the transfer of the equipment into its shelter (sea can).

Remediation Actions

The spilled contaminant was fully contained within the tailing storage facilities. As per the section 5.5 of the Spill Contingency Plan Version 13, (AEM, 2021) spills over 100L of petroleum hydrocarbon contaminated snow may be placed within the TSF.



Corrective measures

To prevent the incident from occurring in the future the technique used to transfer the pump into its shell was re-evaluated and changed. Furthermore, a reminder was communicated to workers to complete a visual inspection of all work area as part of the inspection phase prior to starting a task.

Closure





We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on February 27, 2022 and the cleanup activities. Please contact the undersigned should you have any questions.



Samuel Tapp | Environment Coordinator

samuel.tapp@agnicoeagle.com | Direct 819.759.3555 X4606744 |

Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

agnicoeagle.com    

Sent from Amaruq



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

| | | | | | |
|-----------------------|---|--|---|--|---|
| A | REPORT DATE: MONTH – DAY – YEAR 03-29-2022 | REPORT TIME 7:00 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | REPORT NUMBER _____ | |
| | OCCURRENCE DATE: MONTH – DAY – YEAR 03-28-2022 | OCCURRENCE TIME 16:30 | | | |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14 | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | | |
| | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION MEADOWBANK MINE SITE | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | | |
| E | LATITUDE DEGREES 65 MINUTES 01 SECONDS 09 | LONGITUDE DEGREES 96 MINUTES 03 SECONDS 13 | | | |
| | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | | |
| G | ANY CONTRACTOR INVOLVED ARCTIC FUEL | CONTRACTOR ADDRESS OR OFFICE LOCATION BAKER LAKE | | | |
| | PRODUCT SPILLED DIESEL FUEL | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 250L | U.N. NUMBER | | |
| H | SECOND PRODUCT SPILLED (IF APPLICABLE) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | | |
| | SPILL SOURCE FUEL TANKER | SPILL CAUSE OVERFILL - Human Error | AREA OF CONTAMINATION IN SQUARE METRES 50m2 | | |
| J | FACTORS AFFECTING SPILL OR RECOVERY | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | | |
| | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS During operations at Meadowbank, an Arctic Fuel driver was refueling tanker #40 at the Meadowbank Tank farm. The driver went back into the truck during refueling and fuel overflowed out of the top fuel compartment. Spill pads were immediately placed on the ground and the contaminated snow and material was scraped up. Approximately 10m3 was collected into a roll off and will be brought to the Meadowbank landfarm. There were no off site impacts or discharges to any receiving watercourses. Distance to the closest lake is 400m to Third Portage Lake Spill Location: Northing 65' 0' 57.94" Easting 96' 3' 53.15" Contact Information: Tom Thomson 819 759 3555 ext. 4606744 | | | | |
| L | REPORTED TO SPILL LINE BY Tom Thomson | POSITION Env. Coordinator | EMPLOYER Agnico Eagle Mines | LOCATION CALLING FROM 819 759 3555 | TELEPHONE 4606744 |
| | ANY ALTERNATE CONTACT Alex Lavallee | POSITION Env. Superintendent | EMPLOYER Agnico Eagle Mines | ALTERNATE CONTACT LOCATION | ALTERNATE TELEPHONE 819 860 0804 |
| REPORT LINE USE ONLY | | | | | |
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
| | LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY | | CONTACT NAME | CONTACT TIME | REMARKS | |
| LEAD AGENCY | | | | | |
| FIRST SUPPORT AGENCY | | | | | |
| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



AGNICO EAGLE

2022-03-28 MBK 250L Diesel

GN reference #: 2022-101

Please find the following information as a follow up to the Spill report submitted March 28, 2022 by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at Meadowbank, an Arctic Fuel driver was refueling tanker #40 at the Meadowbank Tank Farm. The driver went back into the truck during the refueling and fuel overflowed out of the top fuel compartment and onto the ground.



Spill location: 65'0" 57.94" 96' 3" 53.15"

There were no off-site impacts or discharge to any receiving watercourses. Distance to the closest water body is 400 meters to Third Portage Lake.

Cause of Spill

The spill was caused by human error. During refueling, driver protocol is to be on top of the tanker while another person on the ground oversees the shut off valve.

Remediation Actions

Spill pads were immediately placed on the ground and a grader was called to scrape the area clean. Approximately 10m³ of contaminated snow and material was collected and brought to the Meadowbank Landfarm.



Corrective measures

An investigation into the root causes of the spill is being completed. Furthermore, the refueling protocol was communicated to all Arctic Fuel drivers.





Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on March 28, 2022 and the cleanup activities. Please contact the undersigned should you have any questions.

Tom Thomson | Environment Coordinator

tom.thomson@agnicoeagle.com | Direct 819.759.3555 X4606744 |

Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

agnicoeagle.com    

Sent from Amaruq





Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

| | | | | | |
|-----------------------|--|--|--|---|---|
| A | REPORT DATE: MONTH – DAY – YEAR 04-25-2022 | REPORT TIME 16:30 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR | | REPORT NUMBER _____ |
| | OCCURRENCE DATE: MONTH – DAY – YEAR 04-09-2022 | OCCURRENCE TIME 7:10 | <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | | |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14 | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | | |
| | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meadowbank | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | | |
| E | LATITUDE DEGREES 65 MINUTES 01 SECONDS 19 | LONGITUDE DEGREES 96 MINUTES 03 SECONDS 15 | | | |
| | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | | |
| H | ANY CONTRACTOR INVOLVED | CONTRACTOR ADDRESS OR OFFICE LOCATION | | | |
| | PRODUCT SPILLED Total Suspended Solids (TSS) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES TBD | U.N. NUMBER N/A | | |
| I | SECOND PRODUCT SPILLED (IF APPLICABLE) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | | |
| | SPILL SOURCE Dewatering water (ST-MMER-3) | SPILL CAUSE Effluent Discharge | AREA OF CONTAMINATION IN SQUARE METRES N/A | | |
| J | FACTORS AFFECTING SPILL OR RECOVERY | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | | |
| | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS The effluent of ST-MMER-3 East dike discharge was sampled on April 9, 2022 as required by the Water License 2AM-MEA1530 and MDMER. The results of the internal TSS analysis revealed a concentration of 2.8 mg/L, however the external laboratory results revealed a concentration of 49 mg/L. External laboratory results have been received for effluent samples collected on April 10th and 11th. TSS results for both samples is 2 mg/L. Spill location : ST-MMER-3 65°01'11.2" N 96°02'32.0"W Contact information: Samuel Tapp 819 759 3555 EXT.: 460-6744 | | | | |
| L | REPORTED TO SPILL LINE BY Samuel Tapp | POSITION Env. Coordinator | EMPLOYER Agnico Eagle Mines | LOCATION CALLING FROM MEADOWBANK | TELEPHONE 819-759-3555 |
| | ANY ALTERNATE CONTACT Eric Haley | POSITION Env. Gen. Supervisor | EMPLOYER Agnico Eagle Mines | ALTERNATE CONTACT LOCATION MEADOWBANK | ALTERNATE TELEPHONE 819-6511-1010 |
| REPORT LINE USE ONLY | | | | | |
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
| | LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED | |
| AGENCY | CONTACT NAME | CONTACT TIME | REMARKS | | |
| LEAD AGENCY | | | | | |
| FIRST SUPPORT AGENCY | | | | | |
| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



AGNICO EAGLE

May 24, 2022

Re: Agnico Eagle Meadowbank Mine – East Dike Pond Discharge Total Suspended Solids Exceedance on April 9, 2022 - Follow up report

As required by Water License 2AM-MEA1530 Part H, Item 8b, Subsections 38(5) of the Fisheries Act and Section 24(1)(a) of the Metal and Diamond Mining Effluent Regulations, Agnico Eagle Mine Ltd. Meadowbank Complex reported via email on April 25, 2022, that the level of Total Suspended Solids (TSS) from the East Dike Discharge (ST-MMER-3/ST-8) exceeded the limits, set out in Water License Part F Item 7 and MDMER Schedule 4, of 30 mg/L for the maximum authorized concentration in a grab sample.

As required by Water License 2AM-MEA1530 Part H, Item 8c, MDMER Section 24 (2), and Subsection 38(7) of the Fisheries Act, this letter serves as the follow up report, describing in full details the event and the analysis results.

The East Dike Discharge effluent was sampled on April 9, 2022 at 7:10am CT. Laboratory result (laboratory certificate Appendix A attach with this letter) of the April 9 sample was received on April 25, 2022. Result for total suspended solid (TSS) of 49 mg/L exceeds the regulatory limit of 30 mg/L maximum authorized concentration in a grab sample. East Dike Discharge to Second Portage Lake effluent was also sampled on April 10 and April 11. External laboratory TSS results for both samples are 2 mg/L. Based on a total flow of 220m³ between April 9, 7:00am and April 10, 7:30am CT, the quantity of TSS release is estimated to be at most 10.78 kg.

External laboratory results of April 10, April 11, April 18, April 25, and April 26 are below the authorized limits: April 10 (TSS – 2 mg/L), April 11 (TSS – 2 mg/L), April 18 (TSS – 2 mg/L), April 25 (TSS – 2 mg/L), and April 26 (TSS – 2 mg/L) indicating the TSS spike on April 9 was a one-time event. Additionally, acute lethality testing to *Daphnia Magna* and *Rainbow Trout* was performed on April 11, and demonstrated the effluent to be non-toxic to *Rainbow Trout* and *Daphnia Magna*. The April monthly TSS average for ST-MMER-3/ST-8 was 9.8mg/L.

Moreover, as part of internal monitoring to ensure the protection of the receiving environment, Agnico analyses on a daily basis a TSS sample from the East Dike seepage collection system through the onsite laboratory, which provides real time data for guidance. Results of these samples between April 1 and April 9 were all below the authorized limit, ranging between 2.80mg/L and 6.60mg/L, for an average of 4.97mg/L not allowing to foresee the exceedance on April 9. Furthermore, the internal results on April 9 were 2.80mg/L.

In the month of April, the discharge from the East Dike Seepage to Second Portage Lake was operational between April 7th and April 30th and is only expected to resume later in the fall of 2022.



AGNICO EAGLE

Through the analysis of all of the available data, specifically the repeated low TSS analysis results, with the exception of April 9th analysis, and the non-toxic results of the acute lethality testing performed on April 11th, Agnico Eagle is confident that the aquatic environment was protected and not impacted. The Core Receiving Environment Monitoring Program includes Second Portage Lake and will confirm these findings.

Should you have any questions regarding this report, please do not hesitate to contact the below.

Regards,

Samuel Tapp

samuel.tapp@agnicoeagle.com

Environment Coordinator



AGNICO EAGLE

LIST OF APPENDICES

Appendix A: ST-MMER-3 2022-04-09 Certificate of Analysis

Appendix B: ST-MMER-3 2022-04-10 Certificate of Analysis

Appendix C: ST-MMER-3 2022-04-11 Certificate of Analysis

Appendix D: ST-MMER-3 2022-04-11 Acute Lethality Rainbow Trout Certificate of Analysis

Appendix E: ST-MMER-3 2022-04-11 Acute Lethality Daphnia Certificate of Analysis

Appendix F: ST-MMER-3 2022-04-18 Certificate of Analysis

Appendix G: ST-MMER-3 2022-04-25 Certificate of Analysis

Appendix H: ST-MMER-3 2022-04-26 Certificate of Analysis

Appendix I: East Dike Internal TSS Results



AGNICO EAGLE

Appendix A

ST-MMER-3 2022-04-09 Certificate of Analysis



Your P.O. #: PO 1121445
 Your Project #: MBK
 Site#: MBK
 Your C.O.C. #: 496002

Attention: Reporting

Agnico Eagle
 Meadowbank
 Meadowbank
 Keewatin, NU
 CANADA P0X 0A1

Report Date: 2022/04/20
 Report #: R7093226
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C299312

Received: 2022/04/13, 09:30

Sample Matrix: Water
 # Samples Received: 1

| Analyses | Quantity | Date | Date | Laboratory Method | Analytical Method |
|--------------------------------------|----------|------------|------------|-------------------|-------------------|
| | | Extracted | Analyzed | | |
| Total Ammonia-N (1) | 1 | N/A | 2022/04/20 | CAM SOP-00441 | USGS I-2522-90 m |
| Field Measured pH (1, 2) | 1 | N/A | 2022/04/14 | | Field pH Meter |
| Field Temperature (1, 2) | 1 | N/A | 2022/04/14 | | Field Thermometer |
| Low Level Total Suspended Solids (1) | 1 | 2022/04/16 | 2022/04/18 | CAM SOP-00428 | SM 23 2540D m |
| Un-ionized Ammonia (1) | 1 | 2022/04/14 | 2022/04/20 | Auto Calc. | PWQO |

Remarks:

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, MELCC, 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.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

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 Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8

(2) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.



Your P.O. #: PO 1121445
Your Project #: MBK
Site#: MBK
Your C.O.C. #: 496002

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA P0X 0A1

Report Date: 2022/04/20
Report #: R7093226
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C299312
Received: 2022/04/13, 09:30

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
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 Signature Page.



BUREAU
VERITAS

Bureau Veritas Job #: C299312
Report Date: 2022/04/20

Agnico Eagle
Client Project #: MBK
Your P.O. #: PO 1121445
Sampler Initials: DN

RESULTS OF ANALYSES OF WATER

| | | | | |
|--|--------------|---------------------|------------|-----------------|
| Bureau Veritas ID | | SJC561 | | |
| Sampling Date | | 2022/04/09 07:10 | | |
| COC Number | | 496002 | | |
| | UNITS | ST-MMER-3 | RDL | QC Batch |
| Calculated Parameters | | | | |
| Total Un-ionized Ammonia | mg/L | <0.0011 | 0.0011 | 7940782 |
| Field Measurements | | | | |
| Field Temperature | Celsius | 1.3 | N/A | ONSITE |
| Field Measured pH | pH | 8.28 | | ONSITE |
| Inorganics | | | | |
| Total Ammonia-N | mg/L | <0.050 | 0.050 | 7946688 |
| Total Suspended Solids | mg/L | 49 | 1 | 7943403 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable | | | | |



BUREAU
VERITAS

Bureau Veritas Job #: C299312
Report Date: 2022/04/20

Agnico Eagle
Client Project #: MBK
Your P.O. #: PO 1121445
Sampler Initials: DN

TEST SUMMARY

Bureau Veritas ID: SJC561
Sample ID: ST-MMER-3
Matrix: Water

Collected: 2022/04/09
Shipped:
Received: 2022/04/13

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|----------------------------------|-----------------|---------|------------|---------------|-------------------|
| Total Ammonia-N | LACH/NH4 | 7946688 | N/A | 2022/04/20 | Raiq Kashif |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/14 | Khanh Vi Trinh |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/14 | Khanh Vi Trinh |
| Low Level Total Suspended Solids | BAL | 7943403 | 2022/04/16 | 2022/04/18 | Shaneil Hall |
| Un-ionized Ammonia | CALC/NH3 | 7940782 | 2022/04/20 | 2022/04/20 | Automated Statchk |



GENERAL COMMENTS

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

| | |
|-----------|--------|
| Package 1 | 12.3°C |
| Package 2 | 13.0°C |
| Package 3 | 12.3°C |
| Package 4 | 13.3°C |

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C299312

Report Date: 2022/04/20

QUALITY ASSURANCE REPORT

Agnico Eagle

Client Project #: MBK

Your P.O. #: PO 1121445

Sampler Initials: DN

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | QC Standard | |
|----------|------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|-------------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | % Recovery | QC Limits |
| 7943403 | Total Suspended Solids | 2022/04/18 | | | | | <1 | mg/L | NC | 25 | 100 | 85 - 115 |
| 7946688 | Total Ammonia-N | 2022/04/20 | 91 | 75 - 125 | 101 | 80 - 120 | <0.050 | mg/L | 0.70 | 20 | | |

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 (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).



BUREAU
VERITAS

Bureau Veritas Job #: C299312
Report Date: 2022/04/20

Agnico Eagle
Client Project #: MBK
Your P.O. #: PO 1121445
Sampler Initials: DN

VALIDATION SIGNATURE PAGE

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

Cristina Carriere

Cristina Carriere, Senior 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 Signature Page.



**BUREAU
VERITAS**

Bureau Veritas Job #: C299312
Report Date: 2022/04/20

Agnico Eagle
Client Project #: MBK
Your P.O. #: PO 1121445
Sampler Initials: DN

**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. | | | | | | |



AGNICO EAGLE

Appendix B

ST-MMER-3 2022-04-10 Certificate of Analysis



Your P.O. #: PO 1121445
 Your Project #: MBK
 Site#: 65°01'11.2"N 96°02'32.0"W
 Site Location: MBK
 Your C.O.C. #: 496003

Attention: Reporting

Agnico Eagle
 Meadowbank
 Meadowbank
 Keewatin, NU
 CANADA P0X 0A1

Report Date: 2022/04/20
 Report #: R7092783
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C299553

Received: 2022/04/13, 09:30

Sample Matrix: Water
 # Samples Received: 1

| Analyses | Quantity | Date | | Laboratory Method | Analytical Method |
|--------------------------------------|----------|------------|------------|-------------------|-------------------|
| | | Extracted | Analyzed | | |
| Total Ammonia-N (1) | 1 | N/A | 2022/04/20 | CAM SOP-00441 | USGS I-2522-90 m |
| Field Measured pH (1, 2) | 1 | N/A | 2022/04/14 | | Field pH Meter |
| Field Temperature (1, 2) | 1 | N/A | 2022/04/14 | | Field Thermometer |
| Low Level Total Suspended Solids (1) | 1 | 2022/04/16 | 2022/04/18 | CAM SOP-00428 | SM 23 2540D m |
| Un-ionized Ammonia (1) | 1 | 2022/04/14 | 2022/04/20 | Auto Calc. | PWQO |

Remarks:

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, MELCC, 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.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

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 Mississauga, 6740 Campobello Rd, Mississauga, ON, L5N 2L8

(2) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.



Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA P0X 0A1

Your P.O. #: PO 1121445
Your Project #: MBK
Site#: 65°01'11.2"N 96°02'32.0"W
Site Location: MBK
Your C.O.C. #: 496003

Report Date: 2022/04/20
Report #: R7092783
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C299553

Received: 2022/04/13, 09:30

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

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 Signature Page.



BUREAU
VERITAS

Bureau Veritas Job #: C299553
Report Date: 2022/04/20

Agnico Eagle
Client Project #: MBK
Site Location: MBK
Your P.O. #: PO 1121445
Sampler Initials: DN

RESULTS OF ANALYSES OF WATER

| | | | | |
|--|--------------|---------------------|------------|-----------------|
| Bureau Veritas ID | | SJD753 | | |
| Sampling Date | | 2022/04/10 07:30 | | |
| COC Number | | 496003 | | |
| | UNITS | ST-MMER-3 | RDL | QC Batch |
| Calculated Parameters | | | | |
| Total Un-ionized Ammonia | mg/L | <0.00069 | 0.00069 | 7940782 |
| Field Measurements | | | | |
| Field Temperature | Celsius | 1.1 | N/A | ONSITE |
| Field Measured pH | pH | 8.1 | | ONSITE |
| Inorganics | | | | |
| Total Ammonia-N | mg/L | <0.050 | 0.050 | 7946688 |
| Total Suspended Solids | mg/L | 2 | 1 | 7943403 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable | | | | |



BUREAU
VERITAS

Bureau Veritas Job #: C299553
Report Date: 2022/04/20

Agnico Eagle
Client Project #: MBK
Site Location: MBK
Your P.O. #: PO 1121445
Sampler Initials: DN

TEST SUMMARY

Bureau Veritas ID: SJD753
Sample ID: ST-MMER-3
Matrix: Water

Collected: 2022/04/10
Shipped:
Received: 2022/04/13

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|----------------------------------|-----------------|---------|------------|---------------|-------------------|
| Total Ammonia-N | LACH/NH4 | 7946688 | N/A | 2022/04/20 | Raiq Kashif |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/14 | Khanh Vi Trinh |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/14 | Khanh Vi Trinh |
| Low Level Total Suspended Solids | BAL | 7943403 | 2022/04/16 | 2022/04/18 | Shaneil Hall |
| Un-ionized Ammonia | CALC/NH3 | 7940782 | 2022/04/20 | 2022/04/20 | Automated Statchk |



GENERAL COMMENTS

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

| | |
|-----------|--------|
| Package 1 | 12.3°C |
| Package 2 | 13.0°C |
| Package 3 | 12.3°C |
| Package 4 | 13.3°C |

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C299553

Report Date: 2022/04/20

QUALITY ASSURANCE REPORT

Agnico Eagle

Client Project #: MBK

Site Location: MBK

Your P.O. #: PO 1121445

Sampler Initials: DN

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | QC Standard | |
|----------|------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|-------------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | % Recovery | QC Limits |
| 7943403 | Total Suspended Solids | 2022/04/18 | | | | | <1 | mg/L | NC | 25 | 100 | 85 - 115 |
| 7946688 | Total Ammonia-N | 2022/04/20 | 91 | 75 - 125 | 101 | 80 - 120 | <0.050 | mg/L | 0.70 | 20 | | |

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 (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).



BUREAU
VERITAS

Bureau Veritas Job #: C299553
Report Date: 2022/04/20

Agnico Eagle
Client Project #: MBK
Site Location: MBK
Your P.O. #: PO 1121445
Sampler Initials: DN

VALIDATION SIGNATURE PAGE

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

A handwritten signature in black ink, appearing to read "A. Hamanov", written over a horizontal line.

Anastassia Hamanov, 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 Signature Page.



BUREAU
VERITAS

Bureau Veritas Job #: C299553
Report Date: 2022/04/20

Agnico Eagle
Client Project #: MBK
Site Location: MBK
Your P.O. #: PO 1121445
Sampler Initials: DN

**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.



AGNICO EAGLE

Appendix C

ST-MMER-3 2022-04-11 Certificate of Analysis



Your P.O. #: PO 1121445
 Your Project #: MBK
 Site Location: MBK
 Your C.O.C. #: 496008

Attention: Reporting

Agnico Eagle
 Meadowbank
 Meadowbank
 Keewatin, NU
 CANADA P0X 0A1

Report Date: 2022/04/25
 Report #: R7099059
 Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C299332

Received: 2022/04/13, 09:30

Sample Matrix: Water
 # Samples Received: 4

| Analyses | Quantity | Date Extracted | Date Analyzed | Laboratory Method | Analytical Method |
|--|----------|----------------|---------------|---|----------------------|
| Low Level Chloride and Sulphate by AC (1) | 4 | N/A | 2022/04/21 | AB SOP-00020 / AB SOP-00018 | SM23 4500-CL/SO4-E m |
| Cyanide, Strong Acid Dissociable (SAD) (1) | 4 | N/A | 2022/04/21 | CAL SOP-00270 | SM 23 4500-CN m |
| Elements by CRC ICPMS (total) (2) | 2 | 2022/04/19 | 2022/04/21 | BBY7SOP-00003/ BBY7SOPEPA -00002 | 6020B R2 m |
| Elements by CRC ICPMS (total) (2) | 2 | 2022/04/21 | 2022/04/22 | BBY7SOP-00003/ BBY7SOPEPA -00002 | 6020B R2 m |
| Total Ammonia-N (3) | 4 | N/A | 2022/04/20 | CAM SOP-00441 | USGS I-2522-90 m |
| Field Measured pH (3, 5) | 2 | N/A | 2022/04/14 | | Field pH Meter |
| Radium-226 Low Level (4, 6) | 4 | N/A | 2022/04/21 | BQL SOP-00006 BQL SOP-00017 BQL SOP-00032 | Alpha Spectrometry |
| Field Temperature (3, 5) | 2 | N/A | 2022/04/14 | | Field Thermometer |
| Low Level Total Suspended Solids (3) | 4 | 2022/04/18 | 2022/04/19 | CAM SOP-00428 | SM 23 2540D m |
| Turbidity (3) | 4 | N/A | 2022/04/14 | CAM SOP-00417 | SM 23 2130 B m |
| Un-ionized Ammonia (3) | 2 | 2022/04/14 | 2022/04/20 | Auto Calc. | PWQO |

Remarks:

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, MELCC, 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



Your P.O. #: PO 1121445
Your Project #: MBK
Site Location: MBK
Your C.O.C. #: 496008

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA P0X 0A1

Report Date: 2022/04/25
Report #: R7099059
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C299332

Received: 2022/04/13, 09:30

dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested. This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

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 test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
- (4) This test was performed by Bureau Veritas Kitimat, 6790 Kitimat Road, Unit 4 , Mississauga, ON, L5N 5L9
- (5) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.
- (6) Radium-226 results have not been corrected for blanks.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Katherine Szozda, Project Manager

Email: Katherine.Szozda@bureauveritas.com

Phone# (613)274-0573 Ext:7063633

=====

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BUREAU
VERITAS

Bureau Veritas Job #: C299332
Report Date: 2022/04/25

Agnico Eagle
Client Project #: MBK
Site Location: MBK
Your P.O. #: PO 1121445
Sampler Initials: LD

RESULTS OF ANALYSES OF WATER

| Bureau Veritas ID | | SJC681 | SJC682 | | | SJC683 | SJC684 | | |
|--|---------|---------------------|---------------------|---------|----------|---------------------|---------------------|---------|----------|
| Sampling Date | | 2022/04/11 07:30 | 2022/04/11 07:30 | | | 2022/04/11 07:30 | 2022/04/11 07:30 | | |
| COC Number | | 496008 | 496008 | | | 496008 | 496008 | | |
| | UNITS | ST-MMER-3 | ST-MMER-3-DUP | RDL | QC Batch | ST-MMER-3-FB | ST-MMER-3-TB | RDL | QC Batch |
| Calculated Parameters | | | | | | | | | |
| Total Un-ionized Ammonia | mg/L | <0.00061 | <0.00061 | 0.00061 | 7940782 | | | | |
| Field Measurements | | | | | | | | | |
| Field Temperature | Celsius | 1.2 | 1.2 | N/A | ONSITE | | | | |
| Field Measured pH | pH | 7.35 | 7.35 | | ONSITE | | | | |
| Inorganics | | | | | | | | | |
| Total Ammonia-N | mg/L | <0.050 | <0.050 | 0.050 | 7946688 | <0.050 | <0.050 | 0.050 | 7946688 |
| Strong Acid Dissoc. Cyanide (CN) | mg/L | <0.00050 | <0.00050 | 0.00050 | 7955510 | <0.00050 | <0.00050 | 0.00050 | 7955510 |
| Total Suspended Solids | mg/L | 2 | 2 | 1 | 7943484 | <1 | <1 | 1 | 7945025 |
| Turbidity | NTU | 0.3 | 0.4 | 0.1 | 7941445 | <0.1 | <0.1 | 0.1 | 7941445 |
| Dissolved Sulphate (SO4) | mg/L | 6.6 | 6.6 | 0.50 | 7952956 | <0.50 | <0.50 | 0.50 | 7952956 |
| Metals | | | | | | | | | |
| Total Aluminum (Al) | mg/L | 0.0453 | 0.0473 | 0.0030 | 7954201 | <0.0030 | <0.0030 | 0.0030 | 7955256 |
| Total Arsenic (As) | mg/L | 0.00136 | 0.00129 | 0.00010 | 7954201 | <0.00010 | <0.00010 | 0.00010 | 7955256 |
| Total Copper (Cu) | mg/L | 0.00119 | 0.00117 | 0.00050 | 7954201 | <0.00050 | <0.00050 | 0.00050 | 7955256 |
| Total Lead (Pb) | mg/L | <0.00020 | <0.00020 | 0.00020 | 7954201 | <0.00020 | <0.00020 | 0.00020 | 7955256 |
| Total Nickel (Ni) | mg/L | <0.0010 | <0.0010 | 0.0010 | 7954201 | <0.0010 | <0.0010 | 0.0010 | 7955256 |
| Total Zinc (Zn) | mg/L | <0.0050 | <0.0050 | 0.0050 | 7954201 | <0.0050 | <0.0050 | 0.0050 | 7955256 |
| RADIONUCLIDE | | | | | | | | | |
| Radium-226 | Bq/L | <0.0050 | <0.0050 | 0.0050 | 7944275 | <0.0050 | <0.0050 | 0.0050 | 7944275 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable | | | | | | | | | |



BUREAU
VERITAS

Bureau Veritas Job #: C299332
Report Date: 2022/04/25

Agnico Eagle
Client Project #: MBK
Site Location: MBK
Your P.O. #: PO 1121445
Sampler Initials: LD

TEST SUMMARY

Bureau Veritas ID: SJC681
Sample ID: ST-MMER-3
Matrix: Water

Collected: 2022/04/11
Shipped:
Received: 2022/04/13

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------------------|
| Low Level Chloride and Sulphate by AC | KONE | 7952956 | N/A | 2022/04/21 | Shanna McKort |
| Cyanide, Strong Acid Dissociable (SAD) | TECH/UVVS | 7955510 | N/A | 2022/04/21 | Ming Dong |
| Elements by CRC ICPMS (total) | ICP/MS | 7954201 | 2022/04/19 | 2022/04/21 | Sahar Omar Al-Abdalla-Inactive |
| Total Ammonia-N | LACH/NH4 | 7946688 | N/A | 2022/04/20 | Raiq Kashif |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/14 | Khanh Vi Trinh |
| Radium-226 Low Level | AS | 7944275 | N/A | 2022/04/21 | Sarah Simpson |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/14 | Khanh Vi Trinh |
| Low Level Total Suspended Solids | BAL | 7943484 | 2022/04/18 | 2022/04/19 | Shaneil Hall |
| Turbidity | AT | 7941445 | N/A | 2022/04/14 | Roya Fathitil |
| Un-ionized Ammonia | CALC/NH3 | 7940782 | 2022/04/20 | 2022/04/20 | Automated Statchk |

Bureau Veritas ID: SJC682
Sample ID: ST-MMER-3-DUP
Matrix: Water

Collected: 2022/04/11
Shipped:
Received: 2022/04/13

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------------------|
| Low Level Chloride and Sulphate by AC | KONE | 7952956 | N/A | 2022/04/21 | Shanna McKort |
| Cyanide, Strong Acid Dissociable (SAD) | TECH/UVVS | 7955510 | N/A | 2022/04/21 | Ming Dong |
| Elements by CRC ICPMS (total) | ICP/MS | 7954201 | 2022/04/19 | 2022/04/21 | Sahar Omar Al-Abdalla-Inactive |
| Total Ammonia-N | LACH/NH4 | 7946688 | N/A | 2022/04/20 | Raiq Kashif |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/14 | Khanh Vi Trinh |
| Radium-226 Low Level | AS | 7944275 | N/A | 2022/04/21 | Sarah Simpson |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/14 | Khanh Vi Trinh |
| Low Level Total Suspended Solids | BAL | 7943484 | 2022/04/18 | 2022/04/19 | Shaneil Hall |
| Turbidity | AT | 7941445 | N/A | 2022/04/14 | Roya Fathitil |
| Un-ionized Ammonia | CALC/NH3 | 7940782 | 2022/04/20 | 2022/04/20 | Automated Statchk |

Bureau Veritas ID: SJC683
Sample ID: ST-MMER-3-FB
Matrix: Water

Collected: 2022/04/11
Shipped:
Received: 2022/04/13

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------------------|
| Low Level Chloride and Sulphate by AC | KONE | 7952956 | N/A | 2022/04/21 | Shanna McKort |
| Cyanide, Strong Acid Dissociable (SAD) | TECH/UVVS | 7955510 | N/A | 2022/04/21 | Ming Dong |
| Elements by CRC ICPMS (total) | ICP/MS | 7955256 | 2022/04/21 | 2022/04/22 | Sahar Omar Al-Abdalla-Inactive |
| Total Ammonia-N | LACH/NH4 | 7946688 | N/A | 2022/04/20 | Raiq Kashif |
| Radium-226 Low Level | AS | 7944275 | N/A | 2022/04/21 | Sarah Simpson |
| Low Level Total Suspended Solids | BAL | 7945025 | 2022/04/18 | 2022/04/19 | Shaneil Hall |
| Turbidity | AT | 7941445 | N/A | 2022/04/14 | Roya Fathitil |



BUREAU
VERITAS

Bureau Veritas Job #: C299332
Report Date: 2022/04/25

Agnico Eagle
Client Project #: MBK
Site Location: MBK
Your P.O. #: PO 1121445
Sampler Initials: LD

TEST SUMMARY

Bureau Veritas ID: SJC684
Sample ID: ST-MMER-3-TB
Matrix: Water

Collected: 2022/04/11
Shipped:
Received: 2022/04/13

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------------------|
| Low Level Chloride and Sulphate by AC | KONE | 7952956 | N/A | 2022/04/21 | Shanna McKort |
| Cyanide, Strong Acid Dissociable (SAD) | TECH/UVVS | 7955510 | N/A | 2022/04/21 | Ming Dong |
| Elements by CRC ICPMS (total) | ICP/MS | 7955256 | 2022/04/21 | 2022/04/22 | Sahar Omar Al-Abdalla-Inactive |
| Total Ammonia-N | LACH/NH4 | 7946688 | N/A | 2022/04/20 | Raiq Kashif |
| Radium-226 Low Level | AS | 7944275 | N/A | 2022/04/21 | Sarah Simpson |
| Low Level Total Suspended Solids | BAL | 7945025 | 2022/04/18 | 2022/04/19 | Shaneil Hall |
| Turbidity | AT | 7941445 | N/A | 2022/04/14 | Roya Fathitil |



GENERAL COMMENTS

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

| | |
|-----------|--------|
| Package 1 | 12.3°C |
| Package 2 | 13.0°C |
| Package 3 | 12.3°C |
| Package 4 | 13.3°C |

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C299332

Report Date: 2022/04/25

QUALITY ASSURANCE REPORT

Agnico Eagle

Client Project #: MBK

Site Location: MBK

Your P.O. #: PO 1121445

Sampler Initials: LD

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | QC Standard | |
|----------|----------------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|-------------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | % Recovery | QC Limits |
| 7941445 | Turbidity | 2022/04/14 | | | 112 | 85 - 115 | <0.1 | NTU | 2.4 | 20 | | |
| 7943484 | Total Suspended Solids | 2022/04/19 | | | | | <1 | mg/L | 6.9 | 25 | 98 | 85 - 115 |
| 7944275 | Radium-226 | 2022/04/20 | | | 90 | 85 - 115 | <0.0050 | Bq/L | NC | N/A | | |
| 7945025 | Total Suspended Solids | 2022/04/19 | | | | | <1 | mg/L | NC | 25 | 96 | 85 - 115 |
| 7946688 | Total Ammonia-N | 2022/04/20 | 91 | 75 - 125 | 101 | 80 - 120 | <0.050 | mg/L | 0.70 | 20 | | |
| 7952956 | Dissolved Sulphate (SO4) | 2022/04/21 | 105 | 80 - 120 | 108 | 80 - 120 | <0.50 | mg/L | 0.40 | 20 | | |
| 7954201 | Total Aluminum (Al) | 2022/04/21 | 108 | 80 - 120 | 104 | 80 - 120 | <0.0030 | mg/L | | | | |
| 7954201 | Total Arsenic (As) | 2022/04/21 | 107 | 80 - 120 | 106 | 80 - 120 | <0.00010 | mg/L | | | | |
| 7954201 | Total Copper (Cu) | 2022/04/21 | 99 | 80 - 120 | 100 | 80 - 120 | <0.00050 | mg/L | | | | |
| 7954201 | Total Lead (Pb) | 2022/04/21 | 107 | 80 - 120 | 107 | 80 - 120 | <0.00020 | mg/L | | | | |
| 7954201 | Total Nickel (Ni) | 2022/04/21 | 100 | 80 - 120 | 100 | 80 - 120 | <0.0010 | mg/L | | | | |
| 7954201 | Total Zinc (Zn) | 2022/04/21 | NC | 80 - 120 | 102 | 80 - 120 | <0.0050 | mg/L | | | | |
| 7955256 | Total Aluminum (Al) | 2022/04/22 | 97 | 80 - 120 | 99 | 80 - 120 | <0.0030 | mg/L | NC | 20 | | |
| 7955256 | Total Arsenic (As) | 2022/04/22 | 105 | 80 - 120 | 105 | 80 - 120 | <0.00010 | mg/L | | | | |
| 7955256 | Total Copper (Cu) | 2022/04/22 | 95 | 80 - 120 | 97 | 80 - 120 | <0.00050 | mg/L | | | | |
| 7955256 | Total Lead (Pb) | 2022/04/22 | 101 | 80 - 120 | 102 | 80 - 120 | <0.00020 | mg/L | | | | |
| 7955256 | Total Nickel (Ni) | 2022/04/22 | 98 | 80 - 120 | 100 | 80 - 120 | <0.0010 | mg/L | | | | |
| 7955256 | Total Zinc (Zn) | 2022/04/22 | 114 | 80 - 120 | 113 | 80 - 120 | <0.0050 | mg/L | | | | |
| 7955510 | Strong Acid Dissoc. Cyanide (CN) | 2022/04/21 | 101 | 80 - 120 | 100 | 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).



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

Steven Simpson, Lab Director

Sze Yeung Fock, B.Sc., Scientific Specialist

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**BUREAU
VERITAS**

Bureau Veritas Job #: C299332
Report Date: 2022/04/25

Agnico Eagle
Client Project #: MBK
Site Location: MBK
Your P.O. #: PO 1121445
Sampler Initials: LD

**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. | | | | | | |



AGNICO EAGLE

Appendix D

ST-MMER-3 2022-04-11 Acute Lethality Rainbow Trout Certificate of Analysis



BUREAU
VERITAS

RESULTS OF RAINBOW TROUT - LC50 (ACUTE-96H)

Client : 6463 Agnico Eagle Mines Limited, Meadowbank
Client Project Name & Number: 65°01'11.2" N 96°02'32.0"W MBK

Job Number: C215355

Test Result:

96 hrs LC50 %v/v (95% CL): >100 (N/A) **Statistical Method:** Visual

Toxic unit: <1

Comment: Nontoxic

Sample Name : ST-MMER-3

Description: Colorless, translucent, no suspended solids
Sample Collected: Apr 11, 2022 07:30 AM **Sampling Method :** Grab
Sample Collected By: OJ - AB **Volume Received:** 31 L
Sample Received: Apr 14, 2022 08:30 AM **pH:** 8.0
Analysis Start : Apr 14, 2022 02:45 PM **Temperature :** 16.1 °C

Sample Matrix : Water
Sample Number: KH1465-02
Site Collection: 65°01'11.2" N 96°02'32.0"
Avg Temp Arrival: 13 °C **Storage:** 2-6°C
Dissolved Oxygen: 100.0 %
Sample Conductance: 78 µS/cm

| Concentration | Temperature (°C) | pH (pH) | Conductivity (uS/cm) | Dissolved oxygen (mg/L) | Temperature (°C) | pH (pH) | Dissolved oxygen (mg/L) | Atypical Behaviour (#) | Atypical Behaviour (%) | Mortality (#) | Mortality (%) | Atypical Behaviour (#) |
|---------------|------------------|---------|----------------------|-------------------------|------------------|---------|-------------------------|------------------------|------------------------|---------------|---------------|------------------------|
| %v/v | 0 hr | 0 hr | 0 hr | 0 hr | 96 hrs | 96 hr | 96 hrs | 24 hrs | 24 hrs | 24 hrs | 24 hrs | 48 hrs |
| 0 | 15.6 | 7.6 | 215 | 9.9 | 14.7 | 7.7 | 10.1 | 0 | 0 | 0 | 0 | 0 |
| 6.25 | 15.5 | 7.6 | 207 | 9.9 | 14.5 | 7.7 | 10.1 | 0 | 0 | 0 | 0 | 0 |
| 12.5 | 15.7 | 7.6 | 199 | 9.9 | 14.6 | 7.7 | 10.0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 15.7 | 7.6 | 183 | 9.8 | 14.8 | 7.7 | 10.0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 15.7 | 7.6 | 150 | 10.0 | 14.5 | 7.7 | 10.1 | 0 | 0 | 0 | 0 | 0 |
| 100 | 16.1 | 7.7 | 77 | 10.0 | 14.5 | 7.7 | 9.9 | 0 | 0 | 0 | 0 | 0 |

| Concentration | Atypical Behaviour (%) | Mortality (#) | Mortality (%) | Atypical Behaviour (#) | Atypical Behaviour (%) | Mortality (#) | Mortality (%) | Atypical Behaviour (#) | Atypical Behaviour (%) | Mortality (#) | Mortality (%) |
|---------------|------------------------|---------------|---------------|------------------------|------------------------|---------------|---------------|------------------------|------------------------|---------------|---------------|
| %v/v | 48 hrs | 48 hrs | 48 hrs | 72 hrs | 72 hrs | 72 hrs | 72 hrs | 96 hrs | 96 hrs | 96 hrs | 96 hrs |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Comments :

Culture/Control/Dilution Water

Dechlorinated municipal tap water

Hardness:

87 mg/l CaCO₃

Other parameters available on request.

Test Conditions

Test concentration : 0,6,25,12,5,25,50,100 (%v/v)

Organisms per Vessel : 10 Test Temperature : 15 ± 1 °C Solution Depth : 35 cm
Total # of Organisms Used : 60 Pre-aeration Time : 30 min. Rate of Aeration : 6.5±1 mL/min/L
Test Volume : 16 L Vessel Volume : 20L Test pH Adjusted: No
Loading Density : 0.3 g/L Photoperiod : 16 hours of light; 8 hours of darkness
Test vessel: Plastic container with polyethylene bag.

Test Organism :

Rainbow Trout (*Oncorhynchus mykiss*) Source : Piscicultures Les Arpents Verts

Culture Temperature : 15 ± 2 °C Weight (Mean) +- SD : 0.5 ± 0.1 g Length (Mean) +- SD : 3.79 ± 0.16 cm
Culture Water Renewal : 2 liters/min Weight (Range) : 0.4 – 0.7 g Length (Range) : 3.50 – 4.00 cm
Culture Photoperiod : 16 hours of light; 8 hours of darkness % Mortality within 7 days : 0.1%
Feeding rate and frequency : 1-2x a day; 1-5% of the body weights. Acclimation Time: >14 days

The results contained in this report refer only to the testing of the sample submitted. This report may not be reproduced, except in its entirety, without the written approval of the laboratory.



BUREAU
VERITAS

RESULTS OF RAINBOW TROUT - LC50 (ACUTE-96H)

Client : 6463 Agnico Eagle Mines Limited, Meadowbank
Client Project Name & Number: 65°01'11.2" N 96°02'32.0"W MBK

Job Number: C215355
Sample Number: KH1465-02

Reference chemical: Phenol
Test Date: Apr 12, 2022
Test Endpoint 96 hrs LC50 (95% confidence interval) : 9.43 (6.00, 13.0)mg/L
Statistical Method : Binomial
Historical Mean LC50 (warning limits) : 10.2 (8.69, 12.1) mg/L
Concentration : 0,4,6,9,13,18 mg/L

Test Method QUE SOP - 00408. Reference Method for Determining Acute Lethality of Effluents to Rainbow Trout. EPS1/RM/13 - Second Edition. Environment Canada. 2000. (Including Amendments: May 2007 and February 2016).

This is essentially a 96H static test. Ten individuals are submitted to different effluent concentrations in order to measure the LC50 in controlled temperature, light intensity and loading density.

Method Deviations : None

Analyst : Andriy Bukhtiyarov, Wasire Konseiga

Verified By : Wael Ellamouchi, Analyste 2

Date: Apr 28, 2022 11:26 AM

The results contained in this report refer only to the testing of the sample submitted. This report may not be reproduced, except in its entirety, without the written approval of the laboratory.



AGNICO EAGLE

Appendix E

ST-MMER-3 2022-04-11 Acute Lethality Daphnia Certificate of Analysis



RESULTS OF DAPHNIA - LC50 (ACUTE-48H)-FEDERAL

BUREAU VERITAS

Client : 6463 Agnico Eagle Mines Limited, Meadowbank Job Number: C215355
Client Project Name & Number: 65°01'11.2" N 96°02'32.0"W MBK No. d'échantillon : KH1465-01

Test Result:

48 hrs LC50 %v/v (95% CL): >100 (N/A) Statistical Method: Visual Toxic unit: <1
48 hrs EC50 %v/v (95% CL): >100 (N/A) Statistical Method: Visual Comment: Non toxic
Sample Name : ST-MMER-3 Sample Matrix : Water
Description: Colorless, translucent, no suspended solids Sample Prior to Analysis:
Sample Collected: Apr 11, 2022 07:30 AM Sampling Method : Grab pH: 8.0
Sample Collected By: OJ - AB Site Collection: 65°01'11.2" N 96°02'32.0"W Temperature : 21.7 °C
Sample Received: Apr 14, 2022 08:30 AM Volume Received: 1 L Dissolved Oxygen: 126.0 %
Analysis Start : Apr 16, 2022 12:16 PM Avg Temp Arrival: 12 °C Sample Conductance: 82 µS/cm
End : Apr 18, 2022 12:42 PM Storage: 2-6°C Hardness: 35 mg CaCO3/L

Table with 12 columns: Concentration, Temperature (°C), pH (pH), Conductivity (uS/cm), Dissolved oxygen (mg/L), Temperature (°C), pH (pH), Dissolved oxygen (mg/L), Immobility (#), Immobility (%), Mortality (#), Mortality (%). Rows show data for concentrations 0, 6.25, 12.5, 25, 50, 100.

Comments : After 30 minutes of aeration, dissolved oxygen is over 100% of saturation.

Culture/Control/Dilution Water:

Reconstituted water for Daphnia
Hardness: 170 mg/l CaCO3 Other parameters available on request.

Test Conditions

Test concentration : 0,6.25,12.5,25,50,100 (%v/v)

Organisms per Vessel : 10 Pre-aeration Time : 30 min Rate of Pre-aeration : 40±5 mL/min/L
Total # of Organisms Used : 60 Test Temperature : 20 ± 2 °C Test Hardness Adjusted : No
Test Volume : 150 mL Vessel Volume : 200 ml Test pH Adjusted: No
Loading Density : 15.0 mL/Daphnia Photoperiod : 16 hours of light; 8 hours of darkness

Test Organism :

Daphnia magna Source : BV Lab Culture
Age at Test Initiation : <24 hres Average Brood Size : 51.0
Culture Photoperiod : 16 hours of light; 8 hours of darkness % Mortality within 7 days : 1
Culture Temperature : 20 ± 2 °C Time To First Brood : 9 Days
Culture Diet Fed once a day.

Reference chemical:

Potassium Dichromate Test Date: Apr 24, 2022
Test Endpoint 48 hrs LC50 (95% confidence interval) : 0.088 (0.063, 0.13)mg/L Statistical Method : Binomial
Historical Mean LC50 (warning limits) : 0.16 (0.037, 0.69) mg/L Concentration : 0,0.0625,0.125,0.25,0.5,1 mg/L

Test Method

SPE 1/RM/14

Method Deviations: NONE

Analyst : Igor Mitrofanov, Marie-Michèle Ferland, Shivia Marine Nankoo

Handwritten signature

Verified By : Hamida Djouder, Analyst 1

Date: May 10, 2022 05:31 PM

The results contained in this report refer only to the testing of the sample submitted. Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation, including the toxicity parameters reported herein.



AGNICO EAGLE

Appendix F

ST-MMER-3 2022-04-18 Certificate of Analysis



Your P.O. #: 1121445
 Site#: 65°01'11.2" N 96°02'32.0"W
 Your C.O.C. #: 498865

Attention: Reporting

Agnico Eagle
 Meadowbank
 Meadowbank
 Keewatin, NU
 CANADA POX 0A1

Report Date: 2022/05/16
 Report #: R7127155
 Version: 4 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C2A6847

Received: 2022/04/21, 10:00

Sample Matrix: Surface Water
 # Samples Received: 2

| Analyses | Quantity | Date Extracted | Date Analyzed | Laboratory Method | Analytical Method |
|---|----------|----------------|---------------|---------------------------------|----------------------|
| Alkalinity (1) | 1 | N/A | 2022/04/28 | CAM SOP-00448 | SM 23 2320 B m |
| Chloride by Automated Colourimetry (1) | 1 | N/A | 2022/04/27 | CAM SOP-00463 | SM 23 4500-Cl E m |
| Mercury (low level) (1) | 1 | 2022/04/26 | 2022/04/26 | CAM SOP-00453 | EPA 7470 m |
| Low Level Chloride and Sulphate by AC (2) | 1 | N/A | 2022/04/27 | AB SOP-00020 / AB SOP-00018 | SM23 4500-CL/SO4-E m |
| Hardness Total (calculated as CaCO3) (3, 4) | 1 | N/A | 2022/04/28 | BBY WI-00033 | Auto Calc |
| Na, K, Ca, Mg, S by CRC ICPMS (total) (3) | 1 | 2022/04/22 | 2022/04/28 | BBY7SOP-00002 | EPA 6020B R2 m |
| Elements by CRC ICPMS (total) (3) | 1 | 2022/04/26 | 2022/04/27 | BBY7SOP-00003 / BBY7SOEPA-00002 | EPA 6020B R2 m |
| Total Phosphorus Low Level Total (2) | 1 | 2022/04/27 | 2022/04/28 | AB SOP-00024 | SM 23 4500-P A,B,F m |
| Total Ammonia (as NH3) (1) | 1 | N/A | 2022/04/26 | Auto Calc. | |
| Total Ammonia-N (1) | 2 | N/A | 2022/04/26 | CAM SOP-00441 | USGS I-2522-90 m |
| Nitrate & Nitrite as Nitrogen in Water (1, 5) | 1 | N/A | 2022/04/28 | CAM SOP-00440 | SM 23 4500-NO3I/NO2B |
| Field Measured pH (1, 6) | 2 | N/A | 2022/04/22 | | Field pH Meter |
| Field Temperature (1, 6) | 2 | N/A | 2022/04/22 | | Field Thermometer |
| Low Level Total Suspended Solids (1) | 1 | 2022/04/25 | 2022/04/26 | CAM SOP-00428 | SM 23 2540D m |
| Un-ionized Ammonia (1) | 1 | 2022/04/22 | 2022/04/26 | Auto Calc. | PWQO |

Remarks:

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, MELCC, 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.



Your P.O. #: 1121445
Site#: 65'01'11.2" N 96'02'32.0"W
Your C.O.C. #: 498865

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA P0X 0A1

Report Date: 2022/05/16
Report #: R7127155
Version: 4 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C2A6847

Received: 2022/04/21, 10:00

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.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

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 Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
- (2) This test was performed by Bureau Veritas Calgary (19th), 4000 19th Street NE , Calgary, AB, T2E 6P8
- (3) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5
- (4) "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).
- (5) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
- (6) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

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 Signature Page.



RESULTS OF ANALYSES OF SURFACE WATER

| Bureau Veritas ID | | SKR971 | | | SKR971 | | | SKR972 | | |
|--|---------|---------------------|--------|----------|----------------------|-----|----------|---------------------|----------|----------|
| Sampling Date | | 2022/04/18 07:00 | | | 2022/04/18 07:00 | | | 2022/04/18 07:00 | | |
| COC Number | | 498865 | | | 498865 | | | 498865 | | |
| | UNITS | ST-MMER-3 | RDL | QC Batch | ST-MMER-3 Lab-Dup | RDL | QC Batch | ST-MMER-3-EEM | RDL | QC Batch |
| Calculated Parameters | | | | | | | | | | |
| Total Ammonia (as NH3) | mg/L | | | | | | | <0.061 | 0.061 | 7954267 |
| Total Un-ionized Ammonia | mg/L | <0.0021 | 0.0021 | 7954265 | | | | | | |
| Field Measurements | | | | | | | | | | |
| Field Temperature | Celsius | 0.4 | N/A | ONSITE | | | | 0.4 | N/A | ONSITE |
| Field Measured pH | pH | 8.62 | | ONSITE | | | | 8.62 | | ONSITE |
| Inorganics | | | | | | | | | | |
| Total Ammonia-N | mg/L | <0.050 | 0.050 | 7959465 | | | | <0.050 | 0.050 | 7959465 |
| Total Suspended Solids | mg/L | 2 | 1 | 7957782 | 3 | 1 | 7957782 | | | |
| Alkalinity (Total as CaCO3) | mg/L | | | | | | | 34 | 1.0 | 7960462 |
| Dissolved Chloride (Cl-) | mg/L | | | | | | | <1.0 | 1.0 | 7960140 |
| Nitrite (N) | mg/L | | | | | | | <0.010 | 0.010 | 7959789 |
| Nitrate (N) | mg/L | | | | | | | <0.10 | 0.10 | 7959789 |
| Dissolved Sulphate (SO4) | mg/L | | | | | | | 6.9 | 0.50 | 7966504 |
| Nitrate + Nitrite (N) | mg/L | | | | | | | <0.10 | 0.10 | 7959789 |
| Metals | | | | | | | | | | |
| Total Aluminum (Al) | mg/L | | | | | | | 0.0357 | 0.0030 | 7965007 |
| Total Cadmium (Cd) | mg/L | | | | | | | <0.000010 | 0.000010 | 7965007 |
| Total Chromium (Cr) | mg/L | | | | | | | <0.0010 | 0.0010 | 7965007 |
| Total Cobalt (Co) | mg/L | | | | | | | <0.00020 | 0.00020 | 7965007 |
| Total Iron (Fe) | mg/L | | | | | | | 0.047 | 0.010 | 7965007 |
| Total Manganese (Mn) | mg/L | | | | | | | 0.0017 | 0.0010 | 7965007 |
| Total Molybdenum (Mo) | mg/L | | | | | | | <0.0010 | 0.0010 | 7965007 |
| Total Selenium (Se) | mg/L | | | | | | | <0.00010 | 0.00010 | 7965007 |
| Total Thallium (Tl) | mg/L | | | | | | | <0.000010 | 0.000010 | 7965007 |
| Total Uranium (U) | mg/L | | | | | | | 0.00051 | 0.00010 | 7965007 |
| Total Calcium (Ca) | mg/L | | | | | | | 11.1 | 0.050 | 7965006 |
| Total Magnesium (Mg) | mg/L | | | | | | | 1.93 | 0.050 | 7965006 |
| Nutritional Parameters | | | | | | | | | | |
| Total Phosphorus (P) | mg/L | | | | | | | 0.0021 | 0.0010 | 7968059 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable | | | | | | | | | | |



**BUREAU
VERITAS**

Bureau Veritas Job #: C2A6847
Report Date: 2022/05/16

Agnico Eagle
Your P.O. #: 1121445
Sampler Initials: FQS

ELEMENTS BY ATOMIC SPECTROSCOPY (SURFACE WATER)

| | | | | |
|--|--------------|----------------------|------------|-----------------|
| Bureau Veritas ID | | SKR972 | | |
| Sampling Date | | 2022/04/18 07:00 | | |
| COC Number | | 498865 | | |
| | UNITS | ST-MMER-3-EEM | RDL | QC Batch |
| Calculated Parameters | | | | |
| Total Hardness (CaCO3) | mg/L | 35.7 | 0.50 | 7965005 |
| Metals | | | | |
| Mercury (Hg) | mg/L | <0.00001 | 0.00001 | 7959255 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch | | | | |



BUREAU
VERITAS

Bureau Veritas Job #: C2A6847
Report Date: 2022/05/16

Agnico Eagle
Your P.O. #: 1121445
Sampler Initials: FQS

TEST SUMMARY

Bureau Veritas ID: SKR971
Sample ID: ST-MMER-3
Matrix: Surface Water

Collected: 2022/04/18
Shipped:
Received: 2022/04/21

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|----------------------------------|-----------------|---------|------------|---------------|-------------------|
| Total Ammonia-N | LACH/NH4 | 7959465 | N/A | 2022/04/26 | Amanpreet Sappal |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/22 | Khanh Vi Trinh |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/22 | Khanh Vi Trinh |
| Low Level Total Suspended Solids | BAL | 7957782 | 2022/04/25 | 2022/04/26 | Kristen Chan |
| Un-ionized Ammonia | CALC/NH3 | 7954265 | 2022/04/26 | 2022/04/26 | Automated Statchk |

Bureau Veritas ID: SKR971 Dup
Sample ID: ST-MMER-3
Matrix: Surface Water

Collected: 2022/04/18
Shipped:
Received: 2022/04/21

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|----------------------------------|-----------------|---------|------------|---------------|--------------|
| Low Level Total Suspended Solids | BAL | 7957782 | 2022/04/25 | 2022/04/26 | Kristen Chan |

Bureau Veritas ID: SKR972
Sample ID: ST-MMER-3-EEM
Matrix: Surface Water

Collected: 2022/04/18
Shipped:
Received: 2022/04/21

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------------------|
| Alkalinity | AT | 7960462 | N/A | 2022/04/28 | Surinder Rai |
| Chloride by Automated Colourimetry | KONE | 7960140 | N/A | 2022/04/27 | Raiq Kashif |
| Mercury (low level) | CV/AA | 7959255 | 2022/04/26 | 2022/04/26 | Jaswinder Kaur |
| Low Level Chloride and Sulphate by AC | KONE | 7966504 | N/A | 2022/04/27 | Bradley Freake |
| Hardness Total (calculated as CaCO3) | CALC | 7965005 | N/A | 2022/04/28 | Automated Statchk |
| Na, K, Ca, Mg, S by CRC ICPMS (total) | ICP | 7965006 | 2022/04/28 | 2022/04/28 | Automated Statchk |
| Elements by CRC ICPMS (total) | ICP/MS | 7965007 | 2022/04/26 | 2022/04/27 | Sahar Omar Al-Abdalla-Inactive |
| Total Phosphorus Low Level Total | KONE | 7968059 | 2022/04/27 | 2022/04/28 | Mary Anne Dela Cruz |
| Total Ammonia (as NH3) | CALC | 7954267 | N/A | 2022/04/26 | Automated Statchk |
| Total Ammonia-N | LACH/NH4 | 7959465 | N/A | 2022/04/26 | Amanpreet Sappal |
| Nitrate & Nitrite as Nitrogen in Water | LACH | 7959789 | N/A | 2022/04/28 | Samuel Law |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/22 | Khanh Vi Trinh |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/22 | Khanh Vi Trinh |



BUREAU
VERITAS

Bureau Veritas Job #: C2A6847
Report Date: 2022/05/16

Agnico Eagle
Your P.O. #: 1121445
Sampler Initials: FQS

GENERAL COMMENTS

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

| | |
|-----------|-------|
| Package 1 | 9.3°C |
|-----------|-------|

Revised Report (2022/05/16): GPS coordinates added
Revised Report (2022/05/02): Split Report

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C2A6847

Report Date: 2022/05/16

QUALITY ASSURANCE REPORT

Agnico Eagle

Your P.O. #: 1121445

Sampler Initials: FQS

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | QC Standard | |
|----------|-----------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|-------------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | % Recovery | QC Limits |
| 7957782 | Total Suspended Solids | 2022/04/26 | | | | | <1 | mg/L | NC | 25 | 95 | 85 - 115 |
| 7959255 | Mercury (Hg) | 2022/04/26 | 95 | 75 - 125 | 97 | 80 - 120 | <0.00001 | mg/L | NC | 20 | | |
| 7959465 | Total Ammonia-N | 2022/04/26 | 98 | 75 - 125 | 100 | 80 - 120 | <0.050 | mg/L | 0.0068 | 20 | | |
| 7959789 | Nitrate (N) | 2022/04/28 | 96 | 80 - 120 | 95 | 80 - 120 | <0.10 | mg/L | NC | 20 | | |
| 7959789 | Nitrite (N) | 2022/04/28 | 104 | 80 - 120 | 110 | 80 - 120 | <0.010 | mg/L | NC | 20 | | |
| 7960140 | Dissolved Chloride (Cl-) | 2022/04/27 | NC | 80 - 120 | 102 | 80 - 120 | <1.0 | mg/L | 2.3 | 20 | | |
| 7960462 | Alkalinity (Total as CaCO3) | 2022/04/28 | | | 100 | 85 - 115 | <1.0 | mg/L | 0.18 | 20 | | |
| 7965007 | Total Aluminum (Al) | 2022/04/27 | 105 | 80 - 120 | 102 | 80 - 120 | <0.0030 | mg/L | 1.4 | 20 | | |
| 7965007 | Total Cadmium (Cd) | 2022/04/27 | 101 | 80 - 120 | 103 | 80 - 120 | <0.000010 | mg/L | NC | 20 | | |
| 7965007 | Total Chromium (Cr) | 2022/04/27 | 100 | 80 - 120 | 101 | 80 - 120 | <0.0010 | mg/L | 1.2 | 20 | | |
| 7965007 | Total Cobalt (Co) | 2022/04/27 | 103 | 80 - 120 | 103 | 80 - 120 | <0.00020 | mg/L | | | | |
| 7965007 | Total Iron (Fe) | 2022/04/27 | 108 | 80 - 120 | 102 | 80 - 120 | <0.010 | mg/L | 1.1 | 20 | | |
| 7965007 | Total Manganese (Mn) | 2022/04/27 | NC | 80 - 120 | 102 | 80 - 120 | <0.0010 | mg/L | 2.6 | 20 | | |
| 7965007 | Total Molybdenum (Mo) | 2022/04/27 | 107 | 80 - 120 | 105 | 80 - 120 | <0.0010 | mg/L | 2.5 | 20 | | |
| 7965007 | Total Selenium (Se) | 2022/04/27 | 105 | 80 - 120 | 102 | 80 - 120 | <0.00010 | mg/L | 9.8 | 20 | | |
| 7965007 | Total Thallium (Tl) | 2022/04/27 | 107 | 80 - 120 | 104 | 80 - 120 | <0.000010 | mg/L | NC | 20 | | |
| 7965007 | Total Uranium (U) | 2022/04/27 | 119 | 80 - 120 | 118 | 80 - 120 | <0.00010 | mg/L | 1.3 | 20 | | |
| 7966504 | Dissolved Sulphate (SO4) | 2022/04/27 | NC | 80 - 120 | 106 | 80 - 120 | <0.50 | mg/L | | | | |
| 7968059 | Total Phosphorus (P) | 2022/04/28 | 67 (1) | 80 - 120 | 98 | 80 - 120 | <0.0010 | mg/L | | | 91 | 80 - 120 |

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).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.



BUREAU
VERITAS

Bureau Veritas Job #: C2A6847
Report Date: 2022/05/16

Agnico Eagle
Your P.O. #: 1121445
Sampler Initials: FQS

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

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AGNICO EAGLE

Appendix G

ST-MMER-3 2022-04-25 Certificate of Analysis



Your P.O. #: 1121445
 Site Location: MBK
 Your C.O.C. #: 502257

Attention: Reporting

Agnico Eagle
 Meadowbank
 Meadowbank
 Keewatin, NU
 CANADA P0X 0A1

Report Date: 2022/05/03
 Report #: R7109916
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2B2678

Received: 2022/04/27, 09:30

Sample Matrix: Surface Water
 # Samples Received: 1

| Analyses | Quantity | Date | Date | Laboratory Method | Analytical Method |
|--------------------------------------|----------|------------|------------|-------------------|-------------------|
| | | Extracted | Analyzed | | |
| Total Ammonia-N (1) | 1 | N/A | 2022/05/03 | CAM SOP-00441 | USGS I-2522-90 m |
| Field Measured pH (1, 2) | 1 | N/A | 2022/04/28 | | Field pH Meter |
| Field Temperature (1, 2) | 1 | N/A | 2022/04/28 | | Field Thermometer |
| Low Level Total Suspended Solids (1) | 1 | 2022/05/03 | 2022/05/03 | CAM SOP-00428 | SM 23 2540D m |
| Un-ionized Ammonia (1) | 1 | 2022/04/28 | 2022/05/03 | Auto Calc. | PWQO |

Remarks:

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, MELCC, 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.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

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 Mississauga, 6740 Campobello Rd, Mississauga, ON, L5N 2L8

(2) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.



Your P.O. #: 1121445
Site Location: MBK
Your C.O.C. #: 502257

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA P0X 0A1

Report Date: 2022/05/03
Report #: R7109916
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2B2678

Received: 2022/04/27, 09:30

Encryption Key

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

=====

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For Service Group specific validation please refer to the Validation Signature Page.



BUREAU
VERITAS

Bureau Veritas Job #: C2B2678
Report Date: 2022/05/03

Agnico Eagle
Site Location: MBK
Your P.O. #: 1121445
Sampler Initials: FQS

RESULTS OF ANALYSES OF SURFACE WATER

| | | | | | | | |
|--|--------------|---------------------|------------|-----------------|------------------------------|------------|-----------------|
| Bureau Veritas ID | | SLX894 | | | SLX894 | | |
| Sampling Date | | 2022/04/25 08:10 | | | 2022/04/25 08:10 | | |
| COC Number | | 502257 | | | 502257 | | |
| | UNITS | ST-MMER-3 | RDL | QC Batch | ST-MMER-3 Lab-Dup | RDL | QC Batch |
| Calculated Parameters | | | | | | | |
| Total Un-ionized Ammonia | mg/L | 0.0011 | 0.00061 | 7964330 | | | |
| Field Measurements | | | | | | | |
| Field Temperature | Celsius | 0.1 | N/A | ONSITE | | | |
| Field Measured pH | pH | 7.86 | | ONSITE | | | |
| Inorganics | | | | | | | |
| Total Ammonia-N | mg/L | 0.16 | 0.050 | 7971414 | 0.11 | 0.050 | 7971414 |
| Total Suspended Solids | mg/L | 2 | 1 | 7971490 | 2 | 1 | 7971490 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate N/A = Not Applicable | | | | | | | |



BUREAU
VERITAS

Bureau Veritas Job #: C2B2678
Report Date: 2022/05/03

Agnico Eagle
Site Location: MBK
Your P.O. #: 1121445
Sampler Initials: FQS

TEST SUMMARY

Bureau Veritas ID: SLX894
Sample ID: ST-MMER-3
Matrix: Surface Water

Collected: 2022/04/25
Shipped:
Received: 2022/04/27

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|----------------------------------|-----------------|---------|------------|---------------|-------------------|
| Total Ammonia-N | LACH/NH4 | 7971414 | N/A | 2022/05/03 | Amanpreet Sappal |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/28 | Khanh Vi Trinh |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/28 | Khanh Vi Trinh |
| Low Level Total Suspended Solids | BAL | 7971490 | 2022/05/03 | 2022/05/03 | Kristen Chan |
| Un-ionized Ammonia | CALC/NH3 | 7964330 | 2022/05/03 | 2022/05/03 | Automated Statchk |

Bureau Veritas ID: SLX894 Dup
Sample ID: ST-MMER-3
Matrix: Surface Water

Collected: 2022/04/25
Shipped:
Received: 2022/04/27

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|----------------------------------|-----------------|---------|------------|---------------|------------------|
| Total Ammonia-N | LACH/NH4 | 7971414 | N/A | 2022/05/03 | Amanpreet Sappal |
| Low Level Total Suspended Solids | BAL | 7971490 | 2022/05/03 | 2022/05/03 | Kristen Chan |



BUREAU
VERITAS

Bureau Veritas Job #: C2B2678
Report Date: 2022/05/03

Agnico Eagle
Site Location: MBK
Your P.O. #: 1121445
Sampler Initials: FQS

GENERAL COMMENTS

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

| | |
|-----------|--------|
| Package 1 | 12.3°C |
|-----------|--------|

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C2B2678

Report Date: 2022/05/03

QUALITY ASSURANCE REPORT

Agnico Eagle

Site Location: MBK

Your P.O. #: 1121445

Sampler Initials: FQS

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | QC Standard | |
|----------|------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|-------------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | % Recovery | QC Limits |
| 7971414 | Total Ammonia-N | 2022/05/03 | 94 | 75 - 125 | 102 | 80 - 120 | <0.050 | mg/L | NC | 20 | | |
| 7971490 | Total Suspended Solids | 2022/05/03 | | | | | <1 | mg/L | 9.5 | 25 | 98 | 85 - 115 |

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 (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).



BUREAU
VERITAS

Bureau Veritas Job #: C2B2678
Report Date: 2022/05/03

Agnico Eagle
Site Location: MBK
Your P.O. #: 1121445
Sampler Initials: FQS

VALIDATION SIGNATURE PAGE

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

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

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BUREAU
VERITAS

Bureau Veritas Job #: C2B2678
Report Date: 2022/05/03

Agnico Eagle
Site Location: MBK
Your P.O. #: 1121445
Sampler Initials: FQS

**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. | | | | | | |



AGNICO EAGLE

Appendix H

ST-MMER-3 2022-04-26 Certificate of Analysis



Your P.O. #: 1121445
 Site#: 65°01'11.2" N 96°02'32.0"W
 Site Location: MBK
 Your C.O.C. #: 502971

Attention: Reporting

Agnico Eagle
 Meadowbank
 Meadowbank
 Keewatin, NU
 CANADA POX 0A1

Report Date: 2022/05/12
 Report #: R7122012
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2B5526

Received: 2022/04/29, 09:30

Sample Matrix: Water
 # Samples Received: 2

| Analyses | Quantity | Date Extracted | Date Analyzed | Laboratory Method | Analytical Method |
|---|-----------------|-----------------------|----------------------|---|--------------------------|
| Alkalinity (1) | 1 | N/A | 2022/05/03 | CAM SOP-00448 | SM 23 2320 B m |
| Chloride by Automated Colourimetry (1) | 1 | N/A | 2022/05/03 | CAM SOP-00463 | SM 23 4500-Cl E m |
| Mercury (low level) (1) | 1 | 2022/05/03 | 2022/05/03 | CAM SOP-00453 | EPA 7470 m |
| Low Level Chloride and Sulphate by AC (2) | 2 | N/A | 2022/05/09 | AB SOP-00020 / AB SOP-00018 | SM23 4500-CL/SO4-E m |
| Cyanide, Strong Acid Dissociable (SAD) (2) | 1 | N/A | 2022/05/03 | CAL SOP-00270 | SM 23 4500-CN m |
| Hardness Total (calculated as CaCO3) (3, 5) | 1 | N/A | 2022/05/05 | BBY WI-00033 | Auto Calc |
| Elements by CRC ICPMS (total) (3) | 2 | 2022/05/04 | 2022/05/05 | BBY7SOP-00003/ BBY7SOPEPA 6020B R2 m-00002 | |
| Total Phosphorus Low Level Total (2) | 1 | 2022/05/05 | 2022/05/06 | AB SOP-00024 | SM 23 4500-P A,B,F m |
| Total Ammonia (as NH3) (1) | 1 | N/A | 2022/05/05 | Auto Calc. | |
| Total Ammonia-N (1) | 2 | N/A | 2022/05/05 | CAM SOP-00441 | USGS I-2522-90 m |
| Nitrate & Nitrite as Nitrogen in Water (1, 6) | 1 | N/A | 2022/05/04 | CAM SOP-00440 | SM 23 4500-NO3I/NO2B |
| Field Measured pH (1, 7) | 2 | N/A | 2022/04/30 | | Field pH Meter |
| Radium-226 Low Level (4, 8) | 1 | N/A | 2022/05/11 | BQL SOP-00006 BQL SOP-00017 BQL SOP-00032 | Alpha Spectrometry |
| Field Temperature (1, 7) | 2 | N/A | 2022/04/30 | | Field Thermometer |
| Low Level Total Suspended Solids (1) | 1 | 2022/05/03 | 2022/05/03 | CAM SOP-00428 | SM 23 2540D m |
| Turbidity (1) | 1 | N/A | 2022/05/02 | CAM SOP-00417 | SM 23 2130 B m |
| Un-ionized Ammonia (1) | 1 | 2022/04/30 | 2022/05/06 | Auto Calc. | PWQO |

Remarks:

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, MELCC, 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



Your P.O. #: 1121445
Site#: 65'01'11.2" N 96'02'32.0"W
Site Location: MBK
Your C.O.C. #: 502971

Attention: Reporting

Agnico Eagle
Meadowbank
Meadowbank
Keewatin, NU
CANADA POX 0A1

Report Date: 2022/05/12
Report #: R7122012
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2B5526

Received: 2022/04/29, 09:30

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.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

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 Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
- (2) This test was performed by Bureau Veritas Calgary (19th), 4000 19th Street NE , Calgary, AB, T2E 6P8
- (3) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5
- (4) This test was performed by Bureau Veritas Kitimat, 6790 Kitimat Road, Unit 4 , Mississauga, ON, L5N 5L9
- (5) "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).
- (6) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
- (7) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.
- (8) Radium-226 results have not been corrected for blanks.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

=====

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BUREAU
VERITAS

Bureau Veritas Job #: C2B5526
Report Date: 2022/05/12

Agnico Eagle
Site Location: MBK
Your P.O. #: 1121445
Sampler Initials: FQS

RESULTS OF ANALYSES OF WATER

| | | | | | | | | | | |
|--------------------------|--------------|----------------------|------------|-----------------|----------------------------------|------------|-----------------|---------------------|------------|-----------------|
| Bureau Veritas ID | | SMN430 | | | SMN430 | | | SMN431 | | |
| Sampling Date | | 2022/04/26 07:15 | | | 2022/04/26 07:15 | | | 2022/04/26 07:15 | | |
| COC Number | | 502971 | | | 502971 | | | 502971 | | |
| | UNITS | ST-MMER-3-EEM | RDL | QC Batch | ST-MMER-3-EEM Lab-Dup | RDL | QC Batch | ST-MMER-3 | RDL | QC Batch |

Calculated Parameters

| | | | | | | | | | | |
|--------------------------|------|--------|-------|---------|--|--|--|----------|---------|---------|
| Total Ammonia (as NH3) | mg/L | <0.061 | 0.061 | 7969339 | | | | | | |
| Total Un-ionized Ammonia | mg/L | | | | | | | <0.00055 | 0.00055 | 7969340 |

Field Measurements

| | | | | | | | | | | |
|-------------------|---------|------|-----|--------|--|--|--|------|-----|--------|
| Field Temperature | Celsius | 0.1 | N/A | ONSITE | | | | 0.1 | N/A | ONSITE |
| Field Measured pH | pH | 8.04 | | ONSITE | | | | 8.04 | | ONSITE |

Inorganics

| | | | | | | | | | | |
|----------------------------------|------|--------|-------|---------|-----|------|---------|----------|---------|---------|
| Total Ammonia-N | mg/L | <0.050 | 0.050 | 7975264 | | | | <0.050 | 0.050 | 7976118 |
| Strong Acid Dissoc. Cyanide (CN) | mg/L | | | | | | | <0.00050 | 0.00050 | 7984827 |
| Total Suspended Solids | mg/L | | | | | | | 2 | 1 | 7971490 |
| Turbidity | NTU | | | | | | | 1.1 | 0.1 | 7969418 |
| Alkalinity (Total as CaCO3) | mg/L | 32 | 1.0 | 7971492 | | | | | | |
| Dissolved Chloride (Cl-) | mg/L | <1.0 | 1.0 | 7971568 | | | | | | |
| Nitrite (N) | mg/L | <0.010 | 0.010 | 7971533 | | | | | | |
| Nitrate (N) | mg/L | <0.10 | 0.10 | 7971533 | | | | | | |
| Dissolved Sulphate (SO4) | mg/L | 7.5 | 0.50 | 7984826 | 7.4 | 0.50 | 7984826 | 7.4 | 0.50 | 7984826 |
| Nitrate + Nitrite (N) | mg/L | <0.10 | 0.10 | 7971533 | | | | | | |

Metals

| | | | | | | | | | | |
|-----------------------|------|-----------|----------|---------|--|--|--|----------|---------|---------|
| Total Aluminum (Al) | mg/L | 0.0528 | 0.0030 | 7980449 | | | | 0.0477 | 0.0030 | 7980449 |
| Total Arsenic (As) | mg/L | | | | | | | 0.00079 | 0.00010 | 7980449 |
| Total Cadmium (Cd) | mg/L | <0.000010 | 0.000010 | 7980449 | | | | | | |
| Total Chromium (Cr) | mg/L | <0.0010 | 0.0010 | 7980449 | | | | | | |
| Total Cobalt (Co) | mg/L | <0.00020 | 0.00020 | 7980449 | | | | | | |
| Total Copper (Cu) | mg/L | | | | | | | 0.00172 | 0.00050 | 7980449 |
| Total Iron (Fe) | mg/L | 0.085 | 0.010 | 7980449 | | | | | | |
| Total Lead (Pb) | mg/L | | | | | | | <0.00020 | 0.00020 | 7980449 |
| Total Manganese (Mn) | mg/L | 0.0020 | 0.0010 | 7980449 | | | | | | |
| Total Molybdenum (Mo) | mg/L | <0.0010 | 0.0010 | 7980449 | | | | | | |
| Total Nickel (Ni) | mg/L | | | | | | | <0.0010 | 0.0010 | 7980449 |
| Total Selenium (Se) | mg/L | <0.00010 | 0.00010 | 7980449 | | | | | | |

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



BUREAU
VERITAS

Bureau Veritas Job #: C2B5526
Report Date: 2022/05/12

Agnico Eagle
Site Location: MBK
Your P.O. #: 1121445
Sampler Initials: FQS

RESULTS OF ANALYSES OF WATER

| Bureau Veritas ID | | SMN430 | | | SMN430 | | | SMN431 | | |
|--|-------|---------------------|----------|----------|--------------------------|-----|----------|---------------------|--------|----------|
| Sampling Date | | 2022/04/26 07:15 | | | 2022/04/26 07:15 | | | 2022/04/26 07:15 | | |
| COC Number | | 502971 | | | 502971 | | | 502971 | | |
| | UNITS | ST-MMER-3-EEM | RDL | QC Batch | ST-MMER-3-EEM Lab-Dup | RDL | QC Batch | ST-MMER-3 | RDL | QC Batch |
| Total Thallium (Tl) | mg/L | <0.000010 | 0.000010 | 7980449 | | | | | | |
| Total Uranium (U) | mg/L | 0.00044 | 0.00010 | 7980449 | | | | | | |
| Total Zinc (Zn) | mg/L | | | | | | | 0.0068 | 0.0050 | 7980449 |
| Nutritional Parameters | | | | | | | | | | |
| Total Phosphorus (P) | mg/L | 0.0019 | 0.0010 | 7983010 | | | | | | |
| RADIONUCLIDE | | | | | | | | | | |
| Radium-226 | Bq/L | | | | | | | <0.0050 | 0.0050 | 7972582 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch Lab-Dup = Laboratory Initiated Duplicate | | | | | | | | | | |



BUREAU
VERITAS

Bureau Veritas Job #: C2B5526
Report Date: 2022/05/12

Agnico Eagle
Site Location: MBK
Your P.O. #: 1121445
Sampler Initials: FQS

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

| | | | | |
|--|--------------|----------------------|------------|-----------------|
| Bureau Veritas ID | | SMN430 | | |
| Sampling Date | | 2022/04/26 07:15 | | |
| COC Number | | 502971 | | |
| | UNITS | ST-MMER-3-EEM | RDL | QC Batch |
| Calculated Parameters | | | | |
| Total Hardness (CaCO3) | mg/L | 36.3 | 0.50 | 7980448 |
| Metals | | | | |
| Mercury (Hg) | mg/L | <0.00001 | 0.00001 | 7972588 |
| RDL = Reportable Detection Limit QC Batch = Quality Control Batch | | | | |



BUREAU
VERITAS

Bureau Veritas Job #: C2B5526
Report Date: 2022/05/12

Agnico Eagle
Site Location: MBK
Your P.O. #: 1121445
Sampler Initials: FQS

TEST SUMMARY

Bureau Veritas ID: SMN430
Sample ID: ST-MMER-3-EEM
Matrix: Water

Collected: 2022/04/26
Shipped:
Received: 2022/04/29

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------------------|
| Alkalinity | AT | 7971492 | N/A | 2022/05/03 | Surinder Rai |
| Chloride by Automated Colourimetry | KONE | 7971568 | N/A | 2022/05/03 | Raiq Kashif |
| Mercury (low level) | CV/AA | 7972588 | 2022/05/03 | 2022/05/03 | Rupinder Gill |
| Low Level Chloride and Sulphate by AC | KONE | 7984826 | N/A | 2022/05/09 | Marjolen Busslinger |
| Hardness Total (calculated as CaCO3) | CALC | 7980448 | N/A | 2022/05/05 | Automated Statchk |
| Elements by CRC ICPMS (total) | ICP/MS | 7980449 | 2022/05/04 | 2022/05/05 | Sahar Omar Al-Abdalla-Inactive |
| Total Phosphorus Low Level Total | KONE | 7983010 | 2022/05/05 | 2022/05/06 | Mary Anne Dela Cruz |
| Total Ammonia (as NH3) | CALC | 7969339 | N/A | 2022/05/05 | Automated Statchk |
| Total Ammonia-N | LACH/NH4 | 7975264 | N/A | 2022/05/05 | Amanpreet Sappal |
| Nitrate & Nitrite as Nitrogen in Water | LACH | 7971533 | N/A | 2022/05/04 | Samuel Law |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/30 | Dipika Singh |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/30 | Dipika Singh |

Bureau Veritas ID: SMN430 Dup
Sample ID: ST-MMER-3-EEM
Matrix: Water

Collected: 2022/04/26
Shipped:
Received: 2022/04/29

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|---------------------------------------|-----------------|---------|-----------|---------------|---------------------|
| Low Level Chloride and Sulphate by AC | KONE | 7984826 | N/A | 2022/05/09 | Marjolen Busslinger |

Bureau Veritas ID: SMN431
Sample ID: ST-MMER-3
Matrix: Water

Collected: 2022/04/26
Shipped:
Received: 2022/04/29

| Test Description | Instrumentation | Batch | Extracted | Date Analyzed | Analyst |
|--|-----------------|---------|------------|---------------|--------------------------------|
| Low Level Chloride and Sulphate by AC | KONE | 7984826 | N/A | 2022/05/09 | Marjolen Busslinger |
| Cyanide, Strong Acid Dissociable (SAD) | TECH/UVVS | 7984827 | N/A | 2022/05/03 | Taylor Mullings |
| Elements by CRC ICPMS (total) | ICP/MS | 7980449 | 2022/05/04 | 2022/05/05 | Sahar Omar Al-Abdalla-Inactive |
| Total Ammonia-N | LACH/NH4 | 7976118 | N/A | 2022/05/05 | Amanpreet Sappal |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/30 | Dipika Singh |
| Radium-226 Low Level | AS | 7972582 | N/A | 2022/05/11 | Sarah Simpson |
| Field Measured pH | PH | ONSITE | N/A | 2022/04/30 | Dipika Singh |
| Low Level Total Suspended Solids | BAL | 7971490 | 2022/05/03 | 2022/05/03 | Kristen Chan |
| Turbidity | AT | 7969418 | N/A | 2022/05/02 | Roya Fathitil |
| Un-ionized Ammonia | CALC/NH3 | 7969340 | 2022/05/06 | 2022/05/06 | Automated Statchk |



BUREAU
VERITAS

Bureau Veritas Job #: C2B5526
Report Date: 2022/05/12

Agnico Eagle
Site Location: MBK
Your P.O. #: 1121445
Sampler Initials: FQS

GENERAL COMMENTS

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

| | |
|-----------|--------|
| Package 1 | 10.3°C |
|-----------|--------|

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C2B5526

Report Date: 2022/05/12

QUALITY ASSURANCE REPORT

Agnico Eagle

Site Location: MBK

Your P.O. #: 1121445

Sampler Initials: FQS

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | QC Standard | |
|----------|-----------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|-------------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | % Recovery | QC Limits |
| 7969418 | Turbidity | 2022/05/02 | | | 101 | 85 - 115 | <0.1 | NTU | 7.7 | 20 | | |
| 7971490 | Total Suspended Solids | 2022/05/03 | | | | | <1 | mg/L | 9.5 | 25 | 98 | 85 - 115 |
| 7971492 | Alkalinity (Total as CaCO3) | 2022/05/03 | | | 95 | 85 - 115 | <1.0 | mg/L | 5.2 | 20 | | |
| 7971533 | Nitrate (N) | 2022/05/04 | 101 | 80 - 120 | 104 | 80 - 120 | <0.10 | mg/L | 0.30 | 20 | | |
| 7971533 | Nitrite (N) | 2022/05/04 | 91 | 80 - 120 | 101 | 80 - 120 | <0.010 | mg/L | NC | 20 | | |
| 7971568 | Dissolved Chloride (Cl-) | 2022/05/03 | NC | 80 - 120 | 107 | 80 - 120 | <1.0 | mg/L | 0 | 20 | | |
| 7972582 | Radium-226 | 2022/05/09 | | | 92 | 85 - 115 | <0.0050 | Bq/L | NC | N/A | | |
| 7972588 | Mercury (Hg) | 2022/05/03 | 88 | 75 - 125 | 94 | 80 - 120 | <0.00001 | mg/L | NC | 20 | | |
| 7975264 | Total Ammonia-N | 2022/05/05 | 92 | 75 - 125 | 98 | 80 - 120 | <0.050 | mg/L | 3.0 | 20 | | |
| 7976118 | Total Ammonia-N | 2022/05/05 | 98 | 75 - 125 | 97 | 80 - 120 | <0.050 | mg/L | NC | 20 | | |
| 7980449 | Total Aluminum (Al) | 2022/05/05 | 102 | 80 - 120 | 103 | 80 - 120 | <0.0030 | mg/L | 1.8 | 20 | | |
| 7980449 | Total Arsenic (As) | 2022/05/05 | 105 | 80 - 120 | 105 | 80 - 120 | <0.00010 | mg/L | 0.97 | 20 | | |
| 7980449 | Total Cadmium (Cd) | 2022/05/05 | 103 | 80 - 120 | 104 | 80 - 120 | <0.000010 | mg/L | 11 | 20 | | |
| 7980449 | Total Chromium (Cr) | 2022/05/05 | 103 | 80 - 120 | 104 | 80 - 120 | <0.0010 | mg/L | NC | 20 | | |
| 7980449 | Total Cobalt (Co) | 2022/05/05 | 106 | 80 - 120 | 104 | 80 - 120 | <0.00020 | mg/L | 2.7 | 20 | | |
| 7980449 | Total Copper (Cu) | 2022/05/05 | 103 | 80 - 120 | 102 | 80 - 120 | <0.00050 | mg/L | 0.31 | 20 | | |
| 7980449 | Total Iron (Fe) | 2022/05/05 | 105 | 80 - 120 | 105 | 80 - 120 | <0.010 | mg/L | 4.4 | 20 | | |
| 7980449 | Total Lead (Pb) | 2022/05/05 | 101 | 80 - 120 | 103 | 80 - 120 | <0.00020 | mg/L | 4.3 | 20 | | |
| 7980449 | Total Manganese (Mn) | 2022/05/05 | 103 | 80 - 120 | 104 | 80 - 120 | <0.0010 | mg/L | 1.0 | 20 | | |
| 7980449 | Total Molybdenum (Mo) | 2022/05/05 | 104 | 80 - 120 | 105 | 80 - 120 | <0.0010 | mg/L | NC | 20 | | |
| 7980449 | Total Nickel (Ni) | 2022/05/05 | 104 | 80 - 120 | 105 | 80 - 120 | <0.0010 | mg/L | 2.3 | 20 | | |
| 7980449 | Total Selenium (Se) | 2022/05/05 | 113 | 80 - 120 | 111 | 80 - 120 | <0.00010 | mg/L | NC | 20 | | |
| 7980449 | Total Thallium (Tl) | 2022/05/05 | 100 | 80 - 120 | 98 | 80 - 120 | <0.000010 | mg/L | NC | 20 | | |
| 7980449 | Total Uranium (U) | 2022/05/05 | 105 | 80 - 120 | 106 | 80 - 120 | <0.00010 | mg/L | NC | 20 | | |
| 7980449 | Total Zinc (Zn) | 2022/05/05 | 110 | 80 - 120 | 105 | 80 - 120 | <0.0050 | mg/L | 3.8 | 20 | | |
| 7983010 | Total Phosphorus (P) | 2022/05/06 | 106 | 80 - 120 | 100 | 80 - 120 | <0.0010 | mg/L | | | 93 | 80 - 120 |
| 7984826 | Dissolved Sulphate (SO4) | 2022/05/09 | 99 | 80 - 120 | 102 | 80 - 120 | <0.50 | mg/L | 1.7 | 20 | | |



BUREAU
VERITAS

Bureau Veritas Job #: C2B5526

Report Date: 2022/05/12

QUALITY ASSURANCE REPORT(CONT'D)

Agnico Eagle

Site Location: MBK

Your P.O. #: 1121445

Sampler Initials: FQS

| QC Batch | Parameter | Date | Matrix Spike | | SPIKED BLANK | | Method Blank | | RPD | | QC Standard | |
|----------|----------------------------------|------------|--------------|-----------|--------------|-----------|--------------|-------|-----------|-----------|-------------|-----------|
| | | | % Recovery | QC Limits | % Recovery | QC Limits | Value | UNITS | Value (%) | QC Limits | % Recovery | QC Limits |
| 7984827 | Strong Acid Dissoc. Cyanide (CN) | 2022/05/03 | 100 | 80 - 120 | 102 | 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).



BUREAU
VERITAS

Bureau Veritas Job #: C2B5526
Report Date: 2022/05/12

Agnico Eagle
Site Location: MBK
Your P.O. #: 1121445
Sampler Initials: FQS

VALIDATION SIGNATURE PAGE

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


Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

David Huang

David Huang, BBY Scientific Specialist

Danish Samad



Danish Samad, Laboratory Supervisor

Sandy Yuan

Sandy Yuan, M.Sc., QP, 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 Signature Page.



**BUREAU
VERITAS**

Bureau Veritas Job #: C2B5526
Report Date: 2022/05/12

Agnico Eagle
Site Location: MBK
Your P.O. #: 1121445
Sampler Initials: FQS

**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. | | | | | | |



AGNICO EAGLE

Appendix I

East Dike Internal TSS Results

Table 1. East Dike Seepage Station Internal Sample Results

| Date | TSS (mg/L) |
|----------|------------|
| 4/1/2022 | 5 |
| 4/2/2022 | 5 |
| 4/3/2022 | 4 |
| 4/4/2022 | 6.6 |
| 4/5/2022 | 5.5 |
| 4/6/2022 | 6 |
| 4/7/2022 | 3.5 |
| 4/8/2022 | 6.3 |
| 4/9/2022 | 2.8 |



Canada

NT-NU SPILL REPORT

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EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

| | | | | | |
|-----------------------------|--|--|--|---|---|
| A | REPORT DATE: MONTH – DAY – YEAR 04-24-2022 | REPORT TIME 11:30 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR | | REPORT NUMBER _____ |
| | OCCURRENCE DATE: MONTH – DAY – YEAR 04-23-2022 | OCCURRENCE TIME 16:50 | <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | | |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14 | | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | |
| | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION MEADOWBANK MINE SITE | | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | |
| E | LATITUDE DEGREES 65 MINUTES 01 SECONDS 09 | | LONGITUDE DEGREES 96 MINUTES 03 SECONDS 13 | | |
| | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD | | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | |
| G | ANY CONTRACTOR INVOLVED ARCTIC FUEL | | CONTRACTOR ADDRESS OR OFFICE LOCATION BAKER LAKE | | |
| | PRODUCT SPILLED DIESEL FUEL | | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 100L | U.N. NUMBER | |
| H | SECOND PRODUCT SPILLED (IF APPLICABLE) | | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | |
| | SPILL SOURCE FUEL TANKER | | SPILL CAUSE Human Error | AREA OF CONTAMINATION IN SQUARE METRES 20m2 | |
| J | FACTORS AFFECTING SPILL OR RECOVERY | | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | |
| | K ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS <p>During operations at Meadowbank, an Arctic Fuel driver had finished unloading his tanker to the Meadowbank Tank farm. The driver initiated its departure while the docking station was still attached on the equipment, causing the tanker connector to rupture. The damage caused the remaining fuel of the reservoir to leak onto the ground. Spill pads were placed on the ground and an excavator was immediately brought at the tank farm to scrape the contaminated snow and material. Approximately 5m3 was collected into a roll off and was brought to the Meadowbank landfarm.</p> <p>There were no off site impacts or discharges to any receiving watercourses. Distance to the closest lake is 400m to Third Portage Lake Spill Location: Northing 65' 0' 57.94" Easting 96' 3' 53.15" Contact Information: Samuel Tapp 819 759 3555 ext. 4606744</p> | | | | |
| L | REPORTED TO SPILL LINE BY Samuel Tapp | POSITION Env. Coordinator | EMPLOYER Agnico Eagle Mines | LOCATION CALLING FROM 819 759 3555 | TELEPHONE 4606744 |
| | ANY ALTERNATE CONTACT Alex Lavallee | POSITION Env. Superintendent | EMPLOYER Agnico Eagle Mines | ALTERNATE CONTACT LOCATION | ALTERNATE TELEPHONE 819 860 0804 |
| REPORT LINE USE ONLY | | | | | |
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
| | LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY | | CONTACT NAME | CONTACT TIME | REMARKS | |
| LEAD AGENCY | | | | | |
| FIRST SUPPORT AGENCY | | | | | |
| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



AGNICO EAGLE

2022-04-23 MBK 100L Diesel

GN reference #: 2022-141

Please find the following information as a follow up to the Spill report submitted April 24, 2022 by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at Meadowbank, an Arctic Fuel driver had finished unloading his tanker to the Meadowbank Tank farm. The driver initiated its departure while the docking station was still attached on the equipment, causing the tanker connector to rupture. The damage caused the remaining fuel of the reservoir to leak onto the ground.



Spill location: Northing 65' 0' 57.94" Easting 96' 3' 53.15"

There were no off-site impacts or discharge to any receiving watercourses. Distance to the closest water body is 400 meters to Third Portage Lake.

Cause of Spill

The spill was caused by human error. After offloading the driver failed to disconnect the arm.

Remediation Actions

Spill pads were placed on the ground and an excavator was immediately brought at the tank farm to scrape the contaminated snow and material. Approximately 5m³ was collected into a roll off and was brought to the Meadowbank landfarm.



Corrective measures

An investigation into the root causes of the spill has been completed. The procedure for offloading is being updated to ensure drivers perform a circle check before leaving tank farm. This procedure will then be communicated to all Arctic Fuel drivers. Furthermore, the incident will be reviewed with both crews on site.

Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on April 23, 2022 and the cleanup activities. Please contact the undersigned should you have any questions.



Tom Thomson | Environment Coordinator

tom.thomson@agnicoeagle.com | Direct 819.759.3555 x4606744 |

Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0



agnicoeagle.com    

Sent from Meadowbank



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

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FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

| | | | | |
|----------|--|--|---|------------------------|
| A | REPORT DATE: MONTH – DAY – YEAR 04-26-2022 | REPORT TIME 12:00 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | REPORT NUMBER _____ |
| B | OCCURRENCE DATE: MONTH – DAY – YEAR 04-25-2022 | OCCURRENCE TIME 14:00 | | |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14 | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | |
| D | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION MEADOWBANK | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | |
| E | LATITUDE DEGREES 65 MINUTES 01 SECONDS 09 | LONGITUDE DEGREES 96 MINUTES 03 SECONDS 13 | | |
| F | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | |
| G | ANY CONTRACTOR INVOLVED | CONTRACTOR ADDRESS OR OFFICE LOCATION | | |
| H | PRODUCT SPILLED SEWAGE WATER | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 30L | U.N. NUMBER | |
| | SECOND PRODUCT SPILLED (IF APPLICABLE) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | |
| I | SPILL SOURCE WING#6 DRAIN LINE | SPILL CAUSE DAMAGED PIPE | AREA OF CONTAMINATION IN SQUARE METRES 2 m2 | |
| J | FACTORS AFFECTING SPILL OR RECOVERY CONFINED SPACE | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | |

| | | | | |
|----------|---|--|--|--|
| K | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS During a routine inspection of the sewage piping of wing #6 at Meadowbank Camp, a worker observed a slow leak of sewage coming from the drain line. Upon further investigation, it was found that due to the building shifting, the pipe had slightly moved causing a small gap in the seal. As a result of the break, approximately 30L of sewage water was spilled under the building and onto the frozen ground. The contaminated material will be collected and brought to the Tailing Storage Facility. There were no off site impacts or discharges. Distance to the closest water body is 220 m to Third Portage Lake. Spill Location: 65° 01' 15.90"N 96° 04' 19.14"W Contact information: Samuel Tapp 819-759-3555 EXT.: 460-6744 | | | |
|----------|---|--|--|--|

| | | | | | |
|----------|---|---|---------------------------------------|---|--|
| L | REPORTED TO SPILL LINE BY Samuel Tapp | POSITION Env. Coordinator | EMPLOYER Agnico Eagle Mines | LOCATION CALLING FROM Meadowbank | TELEPHONE 819-759-3555 |
| M | ANY ALTERNATE CONTACT Eric Haley | POSITION Env. Gen. Supervisor | EMPLOYER Agnico Eagle Mines | ALTERNATE CONTACT LOCATION Meadowbank | ALTERNATE TELEPHONE 819-651-1010 |

REPORT LINE USE ONLY

| | | | | | |
|----------|---------------------------|------------------------------|----------|------------------------------------|--------------------------------------|
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
|----------|---------------------------|------------------------------|----------|------------------------------------|--------------------------------------|

| | | | | | |
|--|--------------|--------------|---|--|---|
| LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | | | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY | CONTACT NAME | CONTACT TIME | REMARKS | | |
| LEAD AGENCY | | | | | |
| FIRST SUPPORT AGENCY | | | | | |
| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



AGNICO EAGLE

2022-04-25 MBK 30L Sewage

GN reference #: 2022-146

Please find the following information as a follow up to the Spill report submitted April 25, 2022 by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During a routine inspection of the sewage piping of wing #6 at Meadowbank Camp, a worker observed a slow leak of sewage coming from the drain line. Upon further investigation, it was found that due to the building shifting, the pipe had slightly moved causing a small gap in the seal. As a result of the break, approximately 30L of sewage water was spilled under the building and onto the frozen ground.



Spill location: 65° 01' 15.90"N 96° 04' 19.14"W

There were no off-site impacts or discharges. Distance to the closest water body is 220 m to Third Portage Lake.

Cause of Spill

Damaged sewage line due to thermal expansion/contraction.

Remediation Actions

Monthly visual inspection of all sewage piping was conducted as part of regular maintenance activities. Hands shovels and equipment were used to manually excavate the contaminated area under the wing. The contaminated material was disposed of appropriately at the Hazmat area.



Corrective measures

Special couplings were ordered and will be installed to replace the existing joints to prevent the same event from reoccurring in the future.

Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on April 25, 2022. Please contact the undersigned should you have any questions.



Samuel Tapp | Environment Coordinator

samuel.tapp@agnicoeagle.com | Direct 819.759.3555 x4606744 |

Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

agnicoeagle.com     

Sent from Meadowbank



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

| | | | | |
|----------|--|--|---|------------------------|
| A | REPORT DATE: MONTH – DAY – YEAR 05-19-2022 | REPORT TIME 7:00 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | REPORT NUMBER _____ |
| B | OCCURRENCE DATE: MONTH – DAY – YEAR 05-18-2022 | OCCURRENCE TIME 10:30 | | |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | |
| D | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION MEADOWBANK MINE SITE | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | |
| E | LATITUDE DEGREES 65 MINUTES 01 SECONDS 09 | LONGITUDE DEGREES 96 MINUTES 03 SECONDS 13 | | |
| F | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | |
| G | ANY CONTRACTOR INVOLVED | CONTRACTOR ADDRESS OR OFFICE LOCATION | | |
| H | PRODUCT SPILLED HYDRAULIC OIL | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 525L | U.N. NUMBER | |
| | SECOND PRODUCT SPILLED (IF APPLICABLE) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | |
| I | SPILL SOURCE CONTAINER HANDLER | SPILL CAUSE EQUIPMENT FAILURE | AREA OF CONTAMINATION IN SQUARE METRES 60m2 | |
| J | FACTORS AFFECTING SPILL OR RECOVERY | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | |

| | | | | |
|----------|---|--|--|--|
| K | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS <p>During operations at Meadowbank, a hydraulic hose of the container handler failed causing a total of 525L of hydraulic oil to leak on the warehouse sea cans storage pad. The operator immediately shut down the equipment and called the environment department. A combination of absorbent booms and peat moss were placed around the equipment to capture as much oil as possible. The used spill response material was disposed appropriately at the Hazmat facility and the contaminated soil was brought to the Meadowbank landfarm.</p> <p>There were no off site impacts or discharges to any receiving watercourses. Distance to the closest lake is 400m to Third Portage Lake Spill Location: Northing 65°01'07.83"N 96°04'09.78"W Contact Information: Samuel Tapp 819 759 3555 ext. 4606744</p> | | | |
|----------|---|--|--|--|

| | | | | | |
|----------|---|---|---------------------------------------|---|--|
| L | REPORTED TO SPILL LINE BY Samuel Tapp | POSITION Env. Coordinator | EMPLOYER Agnico Eagle Mines | LOCATION CALLING FROM Meadowbank | TELEPHONE Ext.:460-6744 |
| M | ANY ALTERNATE CONTACT Eric Haley | POSITION Env. Gen. Supervisor | EMPLOYER Agnico Eagle Mines | ALTERNATE CONTACT LOCATION Meadowbank | ALTERNATE TELEPHONE 819-651-1010 |

| REPORT LINE USE ONLY | | | | | |
|--|---------------------------|------------------------------|---|------------------------------------|---|
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
| LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | | | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY | | CONTACT NAME | CONTACT TIME | REMARKS | |
| LEAD AGENCY | | | | | |
| FIRST SUPPORT AGENCY | | | | | |
| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



AGNICO EAGLE

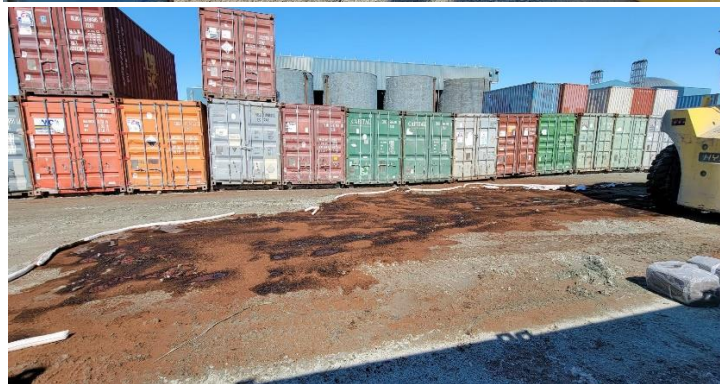
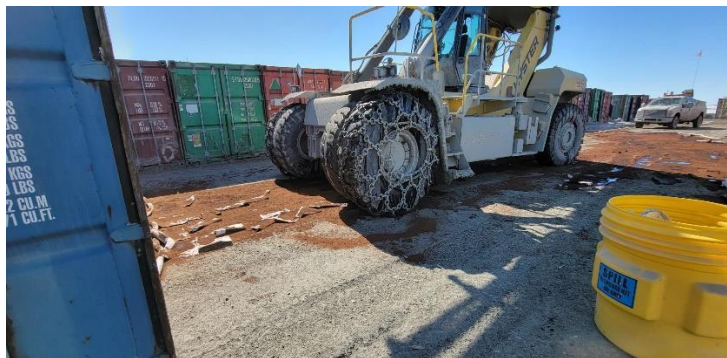
2022-05-18 MBK 525L Hydraulic Oil

GN reference #: 2022-192

Please find the following information as a follow up to the Spill report submitted May 18, 2022 by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at Meadowbank, a hydraulic hose of the container handler failed causing a total of 525L of hydraulic oil to leak on the warehouse sea cans storage pad.



Spill location: 65°01'07.83"N 96°04'09.78"W

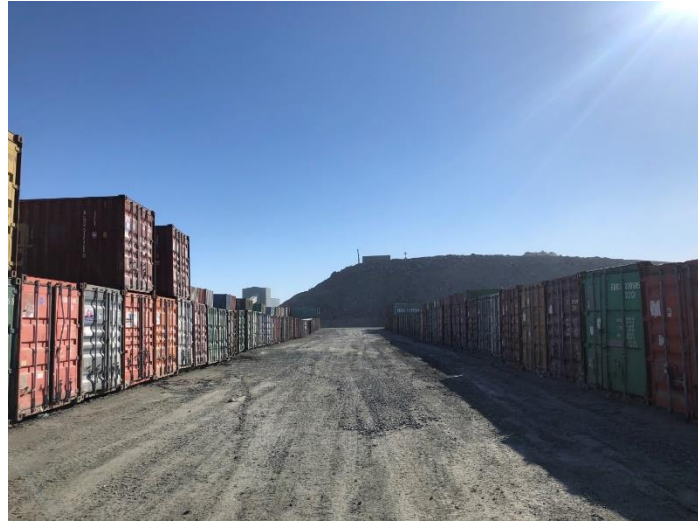
There were no off-site impacts or discharges to any receiving watercourses. Distance to the closest lake is 400m to Third Portage Lake

Cause of Spill

Hydraulic hose failure

Remediation Actions

The operator immediately shut down the equipment and called the environment department. A combination of absorbent booms and peat moss were placed around the equipment to capture as much oil as possible. The used spill response material was disposed appropriately at the Hazmat facility and approximately 8m3 of contaminated soil was brought to the Meadowbank landfarm.



Corrective measures

A routine visual inspection of all systems is performed during pre-operation checks as a part of the preventative maintenance program.

Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on May 18, 2022 and the cleanup activities. Please contact the undersigned should you have any questions.



Samuel Tapp | Environment Coordinator

samuel.tapp@agnicoeagle.com | Direct 819.759.3555 x4606744 |

Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

agnicoeagle.com    

Sent from Meadowbank



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NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

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FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

| | | | | |
|----------|--|--|---|------------------------|
| A | REPORT DATE: MONTH – DAY – YEAR 06-07-2022 | REPORT TIME 16:30 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | REPORT NUMBER _____ |
| | OCCURRENCE DATE: MONTH – DAY – YEAR 06-07-2022 | OCCURRENCE TIME 10:00 | | |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14 | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | |
| | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION MEADOWBANK MINE SITE | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | |
| E | LATITUDE DEGREES 65 MINUTES 01 SECONDS 19 | LONGITUDE DEGREES 96 MINUTES 03 SECONDS 13 | | |
| | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | |
| G | ANY CONTRACTOR INVOLVED | CONTRACTOR ADDRESS OR OFFICE LOCATION | | |
| | PRODUCT SPILLED Total Suspended Solids (TSS) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES TBD | U.N. NUMBER N/A | |
| H | SECOND PRODUCT SPILLED (IF APPLICABLE) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | |
| | SPILL SOURCE Surface Runoff | SPILL CAUSE Turbid Runoff | AREA OF CONTAMINATION IN SQUARE METRES N/A | |
| I | FACTORS AFFECTING SPILL OR RECOVERY | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | |
| | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS | | | |

During regular inspection of the Baker Lake Marshalling Facilities, a turbid flow of water was observed entering into the thawed shore of Baker Lake, creating an apparent plume of TSS along the shore. The source of the turbid flow appeared to originate from the Agnico Eagle infrastructure. Silt fences, wood-chip booms and maritime barriers were deployed and are present in the field. Water samples will be collected tomorrow (2022-06-08).

**Spill Location: 64°18'20" 95°57'23"
Contact Information: Eric Haley, 819-651-1010**

| | | | | | |
|----------|--|--|---------------------------------------|---|--|
| L | REPORTED TO SPILL LINE BY Eric Haley | POSITION Env. Gen. Supervisor | EMPLOYER Agnico Eagle Mines | LOCATION CALLING FROM Meadowbank | TELEPHONE 819-651-1010 |
| | ANY ALTERNATE CONTACT Alex Lavallee | POSITION Env. Crit. Infra. Super | EMPLOYER Agnico Eagle Mines | ALTERNATE CONTACT LOCATION Meadowbank | ALTERNATE TELEPHONE 819-860-0804 |

REPORT LINE USE ONLY

| | | | | | |
|-----------------------|--|------------------------------|---|------------------------------------|---|
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
| | LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY | | CONTACT NAME | CONTACT TIME | REMARKS | |
| LEAD AGENCY | | | | | |
| FIRST SUPPORT AGENCY | | | | | |
| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



2022-06-07 MBK Baker Lake TSS

GN reference #: 2022-236

Please find the following information as a follow up to the spill report, #2022-236, submitted June 7, 2022 by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c and subsection 38(7) of the fisheries act.

Description

During an inspection of the Baker Lake Marshalling Facilities by an environmental technician, two turbid flows of water were observed entering into the thawed shore of Baker Lake, creating apparent plumes of TSS along the shore. The flows of water appeared to flow through the Agnico Eagle facilities, where heavy equipment were travelling to prepare the area for the upcoming maritime shipping season. The visible plumes in Baker Lake were mostly contained within a few feet from the shoreline, and water appeared clear a few meters into the lake. The two plumes are hereafter referred to as “BL-BARGE” for the flow of water that entered on the West side of the dock (64°18'17.68" N, 95°57'11.11" W), and “BL-LAKE” for the flow of water further West (64°18'20.23" N, 95°57'22.77"W). See figure 1 below for general site layout information and flow path estimate.

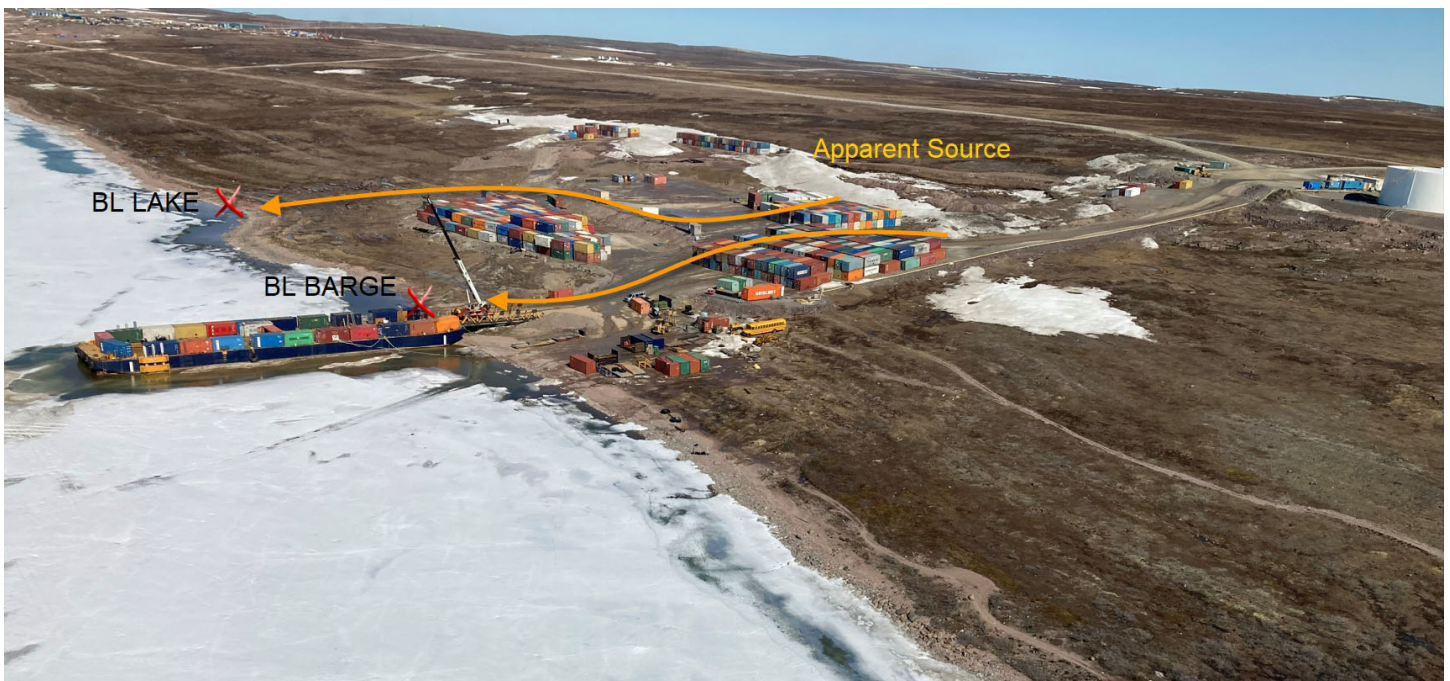


Figure 1. Overall Layout - Aerial Picture (2022/06/07)

Water samples in the lake of both locations were taken for analysis for TSS, as well as for acute lethality to *Daphnia Magna* and *Rainbow Trout*. The lethality samples were collected on June 8th, however due to the timing of the event and the logistics of shipment for analysis to an accredited third-party laboratory, they were processed outside of hold time. The analysis demonstrated the sampled water to be non-lethal to both species. The results for TSS samples taken in the lake are presented in Table 1 below.

Table 1. TSS Results of Baker Lake Samples

| Date | BL BARGE TSS (mg/L) | BL LAKE TSS (mg/L) |
|-------------|----------------------------|---------------------------|
| 2022/06/08 | 5 | 110 |
| 2022/06/09 | 60 | 280 |
| 2022/06/10 | 4 | 17 |
| 2022/06/11 | 2 | 3 |
| 2022/06/12 | 20 | 4 |
| 2022/06/14 | 2 | 2 |
| 2022/06/15 | 15 | 5 |



Figure 2. Aerial view of Baker Lake Shore prior to deployment of maritime booms (2022/06/07)

Location: 64° 18'20" 95° 57'23". The impacted waterbody is Baker Lake.

Cause

The identified cause for the turbid runoff is the large volume of water reporting through the Marshalling Facilities without sufficient control measures in place. The volume of water flows through exposed till material, from which sediments are transported towards the lake. Furthermore, poor snow management practices during the winter of 2021-2022 allowed for little room for sedimentation to occur in the runoff water.

Remediation Actions

Upon observation of the runoff into the lake, the environmental personnel deployed maritime curtains, woodchip-log or straw-log booms and silt fence in the flow path of the runoff, to control the transportation of sediments. Over the next week, daily inspections and monitoring of the sector was performed by environmental staff. During the monitoring, the TSS control measures were monitored, repaired and added, if needed. Samples of the water quality (total suspended solids) of the lake at both inflow locations were taken, as described in Table 1. Acute Lethality sample results are pending final analysis. As part of the Core Receiving Environmental Monitoring Program, water chemistry monitoring will occur in Baker Lake.



Figure 3. Mitigation Measures at BL-LAKE (2022/06/07)



Figure 4. Mitigation Measures at BL-BARGE (2022/06/07)



Figure 5. Contained turbidity & sediments at BL-BARGE (2022/06/10)



Figure 6. BL-LAKE (2022/06/30)



Figure 7. BL-BARGE (2022/06/30)

From Figure 4, it is possible to see the effectiveness of the barriers to contain the turbidity in a localized area. The lakebed can also be seen to have apparent additional sediments. From figures 6 and 7, it is possible to see the effectiveness of the measures as of June 30th, with little to no water reporting to the lake. The area will require close monitoring following each rain events.

Corrective Measures

A contractor was retained to compact and address the problematic exposed till material. This work is scheduled to take place during the week of July 11th, 2022.

An engineering firm was retained to propose long-term solutions for water management at the Baker Lake Marshaling Facilities. Proposed solutions will be evaluated and discussed with CIRNAC prior to implementation.

Lastly, snow management of the sector will be reviewed following the selected water management solution.

Implementing these three measures will address the identified issues having caused this event.

Closure

We trust that the above details described appropriately the event that occurred at the Baker Lake Marshaling Facilities on June 7th, 2022 and the remediation activities. Please contact the undersigned should you have any questions.



Eric Haley | Environment General Supervisor

eric.haley@agnicoeagle.com | Direct 819.759.3555 x4606491 | Mobile 819.651.1010

Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

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FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

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| | | | | |
|----------|--|--|---|------------------------|
| A | REPORT DATE: MONTH – DAY – YEAR 2022-06-25 | REPORT TIME 14:00 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | REPORT NUMBER _____ |
| | OCCURRENCE DATE: MONTH – DAY – YEAR 2022-06-25 | OCCURRENCE TIME 10:00 | | |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14 | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | |
| | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION MEADOWBANK MINE SITE | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | |
| E | LATITUDE DEGREES 65 MINUTES 01 SECONDS 09 | LONGITUDE DEGREES 96 MINUTES 03 SECONDS 13 | | |
| | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | |
| G | ANY CONTRACTOR INVOLVED | CONTRACTOR ADDRESS OR OFFICE LOCATION | | |
| H | PRODUCT SPILLED DIESEL EXHAUST FLUID | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 200L | U.N. NUMBER | |
| | SECOND PRODUCT SPILLED (IF APPLICABLE) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | |
| I | SPILL SOURCE TOTE | SPILL CAUSE PUNCTURE//DAMAGED TOTE | AREA OF CONTAMINATION IN SQUARE METRES 30 | |
| | FACTORS AFFECTING SPILL OR RECOVERY | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | |

| | | | | |
|----------|---|--|--|--|
| K | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS | | | |
| | <p>During operations at Meadowbank, an operator was placing a tote into a seacan by the Maintenance shop and did not notice the metal support brackets around the tote were damaged. When the tote was placed into the seacan, the damaged bracket punctured the tote next to it causing diesel exhaust fluid to spill onto the floor of the seacan as well as the ground. The damaged tote was immediately tipped onto its side to stop the spill. Spill pads were placed on the ground and an excavator was used to scrape and remove the contaminated material. Contaminated material will be collected and disposed in the Meadowbank TSF. There were no off site-impacts or discharges.</p> <p>Spill Location: N65' 01'17.9 W96'04'4.01" on IOL Distance to the closest water body is 450m to Third Portage Lake. Contact Information: Tom Thomson, Environmental Coordinator, 819-759-3555 ext. 4606744</p> | | | |

| | | | | | |
|----------|---|---|---------------------------------------|---|--|
| L | REPORTED TO SPILL LINE BY Tom Thomson | POSITION Env. Coordinator | EMPLOYER Agnico Eagle Mines | LOCATION CALLING FROM Meadowbank | TELEPHONE ext. 4606744 |
| | ANY ALTERNATE CONTACT Eric Haley | POSITION Env. Gen. Supervisor | EMPLOYER Agnico Eagle Mines | ALTERNATE CONTACT LOCATION Meadowbank | ALTERNATE TELEPHONE 819-651-1010 |

| REPORT LINE USE ONLY | | | | | |
|-----------------------|--|------------------------------|--------------|---|--------------------------------------|
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
| | LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | | | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | |
| AGENCY | | CONTACT NAME | CONTACT TIME | REMARKS | |
| LEAD AGENCY | | | | | |
| FIRST SUPPORT AGENCY | | | | | |
| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



2022-06-25 MBK 200L Diesel Exhaust Fluid

GN reference #: 2022-342

Please find the following information as a follow up to the Spill report submitted June 25, 2022 by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at the Meadowbank site, an operator was placing a tote into a shipping container near the Maintenance shop and did not notice the metal support bracket around the tote was damaged. When the tote was placed into the shipping container, the damaged bracket punctured the tote next to it causing diesel exhaust fluid to spill onto the floor of the container as well as the ground.



Spill location: Northing 65' 01'17.9" Easting 96'04'4.01"

There were no off-site impacts or discharge to any receiving watercourses. Distance to the closest water body is 450 meters to Third Portage Lake.

Cause of Spill

A visual inspection of the tote was not completed prior to loading it into the seacan.

Remediation Actions

Spill pads were placed on the ground and a loader was immediately brought at the maintenance shop area to scrape the contaminated material. Approximately 1m³ was collected into a roll off and was brought to the Meadowbank landfarm.



Corrective measures

An investigation into the root causes of the spill has been completed. The procedure for offloading is being updated to ensure drivers perform a circle check before leaving tank farm. This procedure will then be communicated to all Arctic Fuel drivers. Furthermore, cameras will be procured and installed on the telehandlers, allowing for additional visibility for the operators.

Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on June 25, 2022 and the cleanup activities. Please contact the undersigned should you have any questions.



Eric Haley | Environment General Supervisor

eric.haley@agnicoeagle.com | Direct 819.759.3555 x4606491 | Mobile 819.651.1010

Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

agnicoeagle.com     



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FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

| | | | | |
|----------|--|--|---|------------------------|
| A | REPORT DATE: MONTH – DAY – YEAR 2022-08-30 | REPORT TIME 10:30 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | REPORT NUMBER _____ |
| B | OCCURRENCE DATE: MONTH – DAY – YEAR 2022-08-29 | OCCURRENCE TIME 12:30 | | |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14 | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | |
| D | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION MEADOWBANK MINE SITE | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | |
| E | LATITUDE DEGREES 65 MINUTES 1 SECONDS 1 | LONGITUDE DEGREES 96 MINUTES 3 SECONDS 53 | | |
| F | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | |
| G | ANY CONTRACTOR INVOLVED | CONTRACTOR ADDRESS OR OFFICE LOCATION | | |
| H | PRODUCT SPILLED Hydraulic Oil | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 200L | U.N. NUMBER | |
| | SECOND PRODUCT SPILLED (IF APPLICABLE) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | |
| I | SPILL SOURCE HYSTER REACH STACKER | SPILL CAUSE Busted Hydraulic Oil Hose | AREA OF CONTAMINATION IN SQUARE METRES 20m2 | |
| J | FACTORS AFFECTING SPILL OR RECOVERY | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | |

| | | | | |
|----------|---|--|--|--|
| K | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS During operations at Meadowbank, a hydraulic hose of the Hyster failed causing a total of 200L of hydraulic oil to leak on the ground at the Transit Laydown #4 between a row of seacans. The equipment was parked by the operator and absorbent pads were immediately place under the hose to capture as much oil as possible. The environment department was called to assess the spill and mechanics to repair the equipment. Approximately 2 cubic meters of contaminated material was collected and brought to the landfarm. There were no off site impacts or discharges to any receiving watercourses. Distance to the closest lake is 440m to Third Portage Lake Spill Location: Northing 65' 1' 1.66" Easting 96' 3' 53.64" Contact Information: Louis Dubois 819 759 3555 ext. 4606744 | | | |
|----------|---|--|--|--|

| | | | | | |
|----------|--|---|---------------------------------------|--|--|
| L | REPORTED TO SPILL LINE BY Louis Dubois | POSITION Env. Lead Technician | EMPLOYER Agnico Eagle Mines | LOCATION CALLING FROM 819 759 3555 | TELEPHONE 4606744 |
| M | ANY ALTERNATE CONTACT Alex Lavallee | POSITION Env. Superintendent | EMPLOYER Agnico Eagle Mines | ALTERNATE CONTACT LOCATION | ALTERNATE TELEPHONE 819 860 0804 |

| REPORT LINE USE ONLY | | | | | |
|--|---------------------------|------------------------------|---|------------------------------------|---|
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
| LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | | | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY | | CONTACT NAME | CONTACT TIME | REMARKS | |
| LEAD AGENCY | | | | | |
| FIRST SUPPORT AGENCY | | | | | |
| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



AGNICO EAGLE

2022-08-29 MBK 200L Hydraulic Oil

GN reference #: 2022-440

Please find the following information as a follow up to the Spill report submitted August 30th, 2022, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at Meadowbank, a hydraulic hose of the Hyster failed causing a total of 200L of hydraulic oil to leak on the ground at the Transit Laydown #4 between a row of sea cans.

Spill Location: Northing 65' 01' 01.66" Easting 96' 03' 53.64" on IOL

There were no off-site impacts or discharges. Distance to the closest water body is 440m to Third Portage Lake

Cause of Spill

Hydraulic Hose Failure



Remediation Actions

The equipment was parked by the operator and absorbent pads were immediately placed under the hose to capture as much oil as possible. The environment department was called to assess the spill and mechanics to repair the equipment. Approximately 2 cubic meters of contaminated material was collected and brought to the landfarm.



Corrective measures

A routine visual inspection of all systems is performed during pre-operation checks as a part of the preventative maintenance program. In addition, an environmental incident reduction plan has been developed. This plan includes a review of mechanical equipment failure, including hydraulic hose failure, to identify and address root causes.

Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on August 29th, 2022, and the cleanup activities. Please contact the undersigned should you have any questions.



Louis Dubois | Environmental Lead Technician

louis.dubois@agnicoeagle.com | Direct 819.759.3555 x4606759 |

Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C

0A0 agnicoeagle.com     

Sent from Meadowbank



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NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

| | | | | | |
|-----------------------|---|--|---|---|---|
| A | REPORT DATE: MONTH – DAY – YEAR 10-06-2022 | REPORT TIME 11:00 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | REPORT NUMBER _____ | |
| | OCCURRENCE DATE: MONTH – DAY – YEAR 10-05-2022 | OCCURRENCE TIME 16:00 | | | |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14 | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | | |
| | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION MEADOWBANK MINE SITE | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | | |
| E | LATITUDE DEGREES 65 MINUTES 01 SECONDS 09 | LONGITUDE DEGREES 96 MINUTES 03 SECONDS 13 | | | |
| | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | | |
| H | ANY CONTRACTOR INVOLVED | CONTRACTOR ADDRESS OR OFFICE LOCATION | | | |
| | PRODUCT SPILLED WASTE OIL | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 750L | U.N. NUMBER | | |
| I | SECOND PRODUCT SPILLED (IF APPLICABLE) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | | |
| | SPILL SOURCE TOTE | SPILL CAUSE PUNCTURED TOTE | AREA OF CONTAMINATION IN SQUARE METRES 20 | | |
| J | FACTORS AFFECTING SPILL OR RECOVERY | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | | |
| | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS During operations at the Meadowbank Project, a tote containing 1000L of waste oil was punctured by an equipment during the process of storing the reservoir in a sea can, causing a total of 750L of oil to leak onto the ground of the pad. The tote was flipped over to prevent additional oil from leaking out of the container and a berm was built to halt the spill from going further. Absorbent material was used to collect as much oil as possible before removing approximately 10 cubic meters of contaminated soil with an excavator. The contaminated material was brought to the Meadowbank landfarm. Spill Location: N65' 01'02.6 W96'03'58.7" on IOL Distance to the closest water body is 400m to Third Portage Lake. Contact Information: Samuel Tapp, Environmental Coordinator, 819-759-3555 ext. 4606744 | | | | |
| L | REPORTED TO SPILL LINE BY Samuel Tapp | POSITION Env. Coordinator | EMPLOYER Agnico Eagle Mines | LOCATION CALLING FROM Meadowbank | TELEPHONE ext. 4606744 |
| | ANY ALTERNATE CONTACT Eric Haley | POSITION Env. Gen. Supervisor | EMPLOYER Agnico Eagle Mines | ALTERNATE CONTACT LOCATION Meadowbank | ALTERNATE TELEPHONE 819-651-1010 |
| REPORT LINE USE ONLY | | | | | |
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
| | LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY | | CONTACT NAME | CONTACT TIME | REMARKS | |
| LEAD AGENCY | | | | | |
| FIRST SUPPORT AGENCY | | | | | |
| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



AGNICO EAGLE

2022-10-05 MBK_750L_Waste Oil

GN reference #: 2022-490

Please find the following information as a follow up to the Spill report submitted October 6th, 2022, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at the Meadowbank Project, a tote containing 1000L of waste oil was punctured by an equipment during the process of storing the reservoir in a sea can, causing a total of 750L of oil to leak onto the ground of the pad.



Spill location: N65' 01'02.6 W96'03'58.7" on IOL

There were no off-site impacts or discharge to any receiving watercourses. Distance to the closest water body is 400 meters to Third Portage Lake.

Cause of Spill

The improper method and equipment attachment were used for the task which led to the perforation of the tote.

Remediation Actions

The tote was flipped over to prevent additional oil from leaking out of the container and a berm was built to halt the spill from going further. Absorbent material was used to collect as much oil as possible before removing approximately 10 cubic meters of contaminated soil with an excavator. The contaminated material was brought to the Meadowbank landfarm.



Corrective measures

The procedure was reviewed to include the proper method and equipment attachment to be used for the task and will be presented to all the operators.

Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on October 5th, 2022, and the cleanup activities. Please contact the undersigned should you have any questions.



Louis Dubois | Environmental Lead Technician

louis.dubois@agnicoeagle.com | Direct 819.759.3555 x4606759 |

Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut,
Canada X0C 0A0

agnicoeagle.com      Sent from Meadowbank



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FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

| | | | | | |
|-----------------------|---|--|--|---|---|
| A | REPORT DATE: MONTH – DAY – YEAR 2022-10-23 | REPORT TIME 6:30 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR | | REPORT NUMBER _____ |
| | OCCURRENCE DATE: MONTH – DAY – YEAR 2022-10-23 | OCCURRENCE TIME 17:00 | <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | | |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14 | | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | |
| | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION MEADOWBANK MINE SITE | | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | |
| E | LATITUDE DEGREES 65 MINUTES 0 SECONDS 57 | | LONGITUDE DEGREES 96 MINUTES 3 SECONDS 52 | | |
| | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD | | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | |
| G | ANY CONTRACTOR INVOLVED ARCTIC FUEL | | CONTRACTOR ADDRESS OR OFFICE LOCATION BAKER LAKE | | |
| | PRODUCT SPILLED Diesel Fuel | | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 250L | U.N. NUMBER | |
| H | SECOND PRODUCT SPILLED (IF APPLICABLE) | | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | |
| | SPILL SOURCE FUEL TANKER | | SPILL CAUSE OVERFILL - Human Error | AREA OF CONTAMINATION IN SQUARE METRES 40m2 | |
| J | FACTORS AFFECTING SPILL OR RECOVERY | | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | |
| | <p>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</p> <p>During operations at Meadowbank, an Arctic Fuel driver was refueling tanker #45 at the Meadowbank Tank farm. The driver went back into the truck during refueling and fuel overflowed out of the air vent. Spill pads were immediately placed on the ground and the contaminated snow and material was scraped up. Approximately 6m3 was collected and brought to the Meadowbank landfarm.</p> <p>K There were no off site impacts or discharges to any receiving watercourses. Distance to the closest lake is 400m to Third Portage Lake</p> <p>Spill Location: Northing 65' 0' 57" Easting 96' 3' 52"</p> <p>Contact Information: Tom Thomson 819 759 3555 ext. 4606744</p> | | | | |
| L | REPORTED TO SPILL LINE BY Tom Thomson | POSITION Env. Coordinator | EMPLOYER Agnico Eagle Mines | LOCATION CALLING FROM 819 759 3555 | TELEPHONE 4606744 |
| | ANY ALTERNATE CONTACT Alex Lavallee | POSITION Env. Superintendent | EMPLOYER Agnico Eagle Mines | ALTERNATE CONTACT LOCATION | ALTERNATE TELEPHONE 819 860 0804 |
| REPORT LINE USE ONLY | | | | | |
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
| | LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY | | CONTACT NAME | CONTACT TIME | REMARKS | |
| LEAD AGENCY | | | | | |
| FIRST SUPPORT AGENCY | | | | | |
| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



AGNICO EAGLE

2022-10-23 MBK 250L Diesel

GN reference #: 2022-508

Please find the following information as a follow up to the Spill report submitted October 23, 2022, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at Meadowbank, an Arctic Fuel driver was refueling tanker #45 at the Meadowbank Tankfarm. The driver went back into the truck during refueling and fuel overflowed out of the air vent.



Spill location: 65°0'57"N 96°3'52"W

There were no off-site impacts or discharge to any receiving watercourses. Distance to the closest water body is 400 meters to Third Portage Lake.

Cause of Spill

The spill was caused due to the operator's failure to comply with the protocol.

Remediation Actions

Spill pads were immediately placed on the ground and the contaminated snow and material was scraped up. Approximately 6m³ was collected and brought to the Meadowbank landfarm.



Corrective measures

Refueling protocol was communicated and reviewed with all drivers. Furthermore, AEM is evaluating alternative refueling systems to avoid overflows.

Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on October 23, 2022 and the cleanup activities. Please contact the undersigned should you have any questions.



Tom Thomson | Environment Coordinator

tom.thomson@agnicoeagle.com | Direct 819.759.3555 x4606744 |

Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

agnicoeagle.com     



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FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

| | | | | | |
|-----------------------|---|--|---|---|---|
| A | REPORT DATE: MONTH – DAY – YEAR 11-26-2022 | REPORT TIME 9:00 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR | | REPORT NUMBER _____ |
| | OCCURRENCE DATE: MONTH – DAY – YEAR 11-26-2022 | OCCURRENCE TIME 6:00 | <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | | |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14 | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | | |
| | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION MEADOWBANK | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | | |
| E | LATITUDE DEGREES 65 MINUTES 01 SECONDS 09 | LONGITUDE DEGREES 96 MINUTES 03 SECONDS 13 | | | |
| | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | | |
| H | ANY CONTRACTOR INVOLVED | CONTRACTOR ADDRESS OR OFFICE LOCATION | | | |
| | PRODUCT SPILLED SEWAGE WATER | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 140L | U.N. NUMBER | | |
| I | SECOND PRODUCT SPILLED (IF APPLICABLE) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | | |
| | SPILL SOURCE CAMP DRAIN LINE | SPILL CAUSE DAMAGED PIPE | AREA OF CONTAMINATION IN SQUARE METRES 3 m2 | | |
| J | FACTORS AFFECTING SPILL OR RECOVERY CONFINED SPACE | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | | |
| | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS During an inspection of the sewage piping under the Meadowbank Camp, a worker discovered a slow leak of sewage coming from the drain line. Upon further investigation, it was found that the sewage line shifted and loosened the coupling. As a result of the break, approximately 140L of sewage water was spilled under the building and onto the frozen ground. The contaminated material will be collected and brought to the Tailing Storage Facility. There were no off site impacts or discharges. Distance to the closest water body is 360 m to Third Portage Lake. Spill Location: 65° 01' 19.0"N 96° 04' 09.4"W Contact information: Samuel Tapp 819-759-3555 EXT.: 460-6744 | | | | |
| L | REPORTED TO SPILL LINE BY Samuel Tapp | POSITION Env. Coordinator | EMPLOYER Agnico Eagle Mines | LOCATION CALLING FROM Meadowbank | TELEPHONE 819-759-3555 |
| | ANY ALTERNATE CONTACT Eric Haley | POSITION Env. Gen. Supervisor | EMPLOYER Agnico Eagle Mines | ALTERNATE CONTACT LOCATION Meadowbank | ALTERNATE TELEPHONE 819-651-1010 |
| REPORT LINE USE ONLY | | | | | |
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
| | LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY | | CONTACT NAME | CONTACT TIME | REMARKS | |
| LEAD AGENCY | | | | | |
| FIRST SUPPORT AGENCY | | | | | |
| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



AGNICO EAGLE

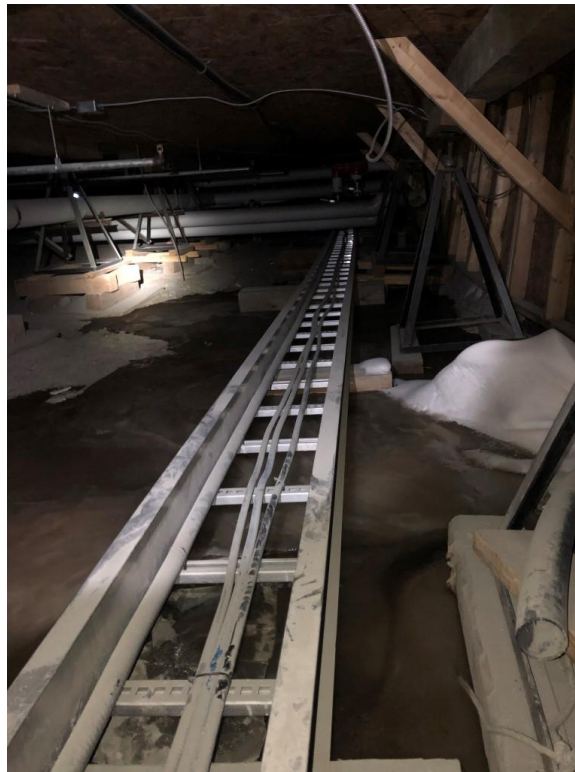
2022-11-26 MBK 140L Sewage

GN reference #: 2022-543

Please find the following information as a follow up to the Spill report submitted November 26, 2022, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During an inspection of the sewage piping under the Meadowbank Camp, a worker discovered a slow leak of sewage coming from the drain line. Upon further investigation, it was found that the sewage line shifted and loosened the coupling.



Spill Location: 65° 01' 19.0"N 96° 04' 09.4"W.

There were no off-site impacts or discharges. Distance to the closest water body is 360 m to Third Portage Lake.

Cause of Spill

Sewage line failure due to shifting which caused a loose connection and sewage to leak onto the ground.

Remediation Actions

The connection was repaired immediately and a Re-inspection of all sewage lines on site was completed. The spill occurred in a confined space under the building. Skirting around the camp will be removed to access the spill in spring once accessible and free of snow buildup. A combination of steaming machine and vacuum truck will be used in the confined space to cleanup the frozen sewage (estimated removal date – May 2023).

Corrective measures

Monthly visual inspection of all sewage piping is conducted as part of regular maintenance activities. A camp leveling adjustment campaign is planned to occur annually, to remediate any potential settlement that could be occurring in the wings, which may induce additional stress to associated piping.

Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on November 26th, 2022. Please contact the undersigned should you have any questions.



Rowan Woodall | Environmental Lead Technician

rowan.woodall@agnicoeagle.com | Direct 819.759.3555

Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

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Sent from Amaruq



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

| | | | | | |
|-----------------------|--|--|---|---|---|
| A | REPORT DATE: MONTH – DAY – YEAR 11-28-2022 | REPORT TIME 21:00 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | REPORT NUMBER _____ | |
| | OCCURRENCE DATE: MONTH – DAY – YEAR 11-28-2022 | OCCURRENCE TIME 15:15 | | | |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | | |
| | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION AWAR - KM87 | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | | |
| E | LATITUDE DEGREES 64 MINUTES 57 SECONDS 11 | LONGITUDE DEGREES 96 MINUTES 14 SECONDS 41 | | | |
| | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | | |
| G | ANY CONTRACTOR INVOLVED ARCTIC FUEL SERVICES | CONTRACTOR ADDRESS OR OFFICE LOCATION BAKER LAKE | | | |
| | PRODUCT SPILLED DIESEL FUEL | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 20,000L | U.N. NUMBER 1202 | | |
| H | SECOND PRODUCT SPILLED (IF APPLICABLE) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | | |
| | SPILL SOURCE Fuel Tanker | SPILL CAUSE Equipment rollover | AREA OF CONTAMINATION IN SQUARE METRES TBD | | |
| J | FACTORS AFFECTING SPILL OR RECOVERY Frozen Ground | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | | |
| | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS During operations at the Meadowbank Complex, a loaded fuel tanker tipped over on the side of the road - the cause of the incident is under investigation. In tipping over, the tanker was pierced, and fuel spilled onto the ground below. The estimated volume spilled is 20,000L. Trenches were excavated to contain the spill. Slush and liquid picked up will be disposed in totes. Contaminated solids will be disposed at the landfarm. Contaminated snow will be placed at the stormwater management pond. Contaminated area is being delineated, to ensure remediation work will cover entire potential contamination zone. Remaining fuel in the tanker was transferred into another tanker. Spill Location: 64 57'10.8"N 96 14'40.7"W on IOL There were no waterbody impacted, nearest waterbody: 600m Contact Information: Eric Haley, Environmental General Supervisor 819-651-1010 | | | | |
| L | REPORTED TO SPILL LINE BY Eric Haley | POSITION Env. Gen. Supervisor | EMPLOYER AEM | LOCATION CALLING FROM Meadowbank | TELEPHONE 819-651-1010 |
| | ANY ALTERNATE CONTACT Alex Lavallee | POSITION Crit. Inf. Env. Superint. | EMPLOYER AEM | ALTERNATE CONTACT LOCATION Meadowbank | ALTERNATE TELEPHONE 819-860-0804 |
| REPORT LINE USE ONLY | | | | | |
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
| | LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY | | CONTACT NAME | CONTACT TIME | REMARKS | |
| LEAD AGENCY | | | | | |
| FIRST SUPPORT AGENCY | | | | | |
| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



AGNICO EAGLE

2022-11-28 MBK Fuel Tanker Diesel

GN reference #: 2022-544

Please find the following information as a follow up to the spill report, submitted November 28, 2022 by Agnico Eagle Meadowbank Complex. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c. As required by Section 18(3) of Environment Canada's Environmental Emergency Regulations pursuant to paragraph 201(1)(a) of the Canadian Environmental Protection Act, 1999, the information required in the written report referred to in Schedule 8 of the regulation have been submitted electronically on the Single Window Information Management (SWIM) System on December 16, 2022.

Spill Description

During operations at the Meadowbank Complex, two fuel tankers operated by Arctic Fuel Services Ltd. met along the All-Weather access road (AWAR). When the tankers crossed each other on the road, the northbound tanker moved to the shoulder of the road but lost sight of the edge of the road and tipped over. Upon the impact with the ground, the reservoir was pierced in 3 locations causing a spill of 29,000L of diesel fuel. The driver was not significantly injured in the accident.



Figure 1. Tanker overturned at KM87 (2022-11-29)



Figure 2. General view of incident from the road (2022-11-29)

Spill location: 64 57'10.8" 96 14'40.7" on IOL.

There was no discharge to any receiving watercourse. Distance to the closest downstream water body is 1 km to the unnamed lake South-East of AWAR Km87 (referred to as Pond A in this report).

Cause of Spill

The spill was caused by the damage to the side wall of the reservoir of a fuel tanker sustained when the tanker tipped over. The accident was caused by the loss of control of the northbound fuel tanker from losing sight/awareness of the edge of the road. The northbound tanker reported going 10km/h over the maximum authorized speed in the procedure when meeting oncoming traffic.

Remediation Actions

- Code 1 was immediately called to mobilize the emergency response team, and the emergency response plan was initiated according to the Meadowbank Complex Spill Contingency Plan;
- The time elapse between the initiation of the Code 1 and the arrival on scene of the first responders was approximately 30 minutes;
- An immediate containment plan was initiated to minimize the impact on the environment, following the guidelines outlined in the Spill Contingency Plan, and consisted of:
 - The deployment of spill response material;
 - The delineation of the extent of the spill area (an identified “hot zone” and “cold zone”);
 - The excavation of two trenches in the cold zone;
 - The construction of a berm along the edge of the hot zone;
 - The excavation of a trench in the hot zone;
 - The excavation of a sump to ease pumping operation;
 - The pumping of pooling diesel fuel with a vacuum truck;
- Fuel remaining in the damaged reservoir was transferred into an empty tanker;
- The tipped over tanker was then retrieved and brought to the Agnico Eagle maintenance team for evaluation;
- Excavation of contaminated material was initiated on November 29th, and is still currently on-going. Contaminated snow and material is being brought to the Meadowbank South Cell tailings storage facility;
- The delineated area by Agnico was presented to a CIRNAC regulatory representative on December 1;
- Downstream area of the spill was monitored with the help of a PID;
- Frequent updates of the remediation efforts to various regulators were initiated following the CIRNAC regulatory representative, on December 2nd. These communications are still ongoing;
- Teleconference held with GN, CIRNAC, KIA and ECCC on December 15th, 2022. Meeting minutes were sent on December 16th, 2022 along with the long term proposed monitoring detailed below.

Excavation and Backfilling path forward:

- Soils samples will be taken in the remediated area, as well as further downstream of the spill area, and compared to CCME Residential Guidelines;
 - Soil samples will also be taken 1km north of the spill area to confirm CCME Residential Guidelines are appropriate targets. Should undisturbed sample results not meet CCME Residential Guidelines, further discussions with regulatory bodies will take place regarding acceptable remediation level;
- Excavate all contaminated material, or to bedrock and establish collection sump;
- Place geotextile membrane on top of excavated area to avoid contaminating snow, should contaminated material remain in the area;
 - Snow accumulation will be removed in end April/ early May;
- Install a snow fence around the excavated area to protect possible wildlife;
- Further remediation during Freshet may be necessary based on observation.
- Backfill to occur following confirmation of no contamination in the area.



Figure 3. Collection sump established (2022-11-29)



Figure 4. Pumping to totes (2022-11-29)

Volumetric Summary

- Recovered fuel inside the damaged reservoir:
 - 10,800L
- Volume spilled:
 - 29,000L
- Contaminated material recovered to date:
 - 1,000m³
- Contaminated liquid recovered from ground:
 - 21,800L

Monitoring plan

- Ice profile and water analysis will be collected downstream of the spill area at Pond A and Pond B;
- Downstream receptor (Pond A & B) to be sampled weekly during freshet; Additional sampling points closer to the spill may be identified during monitoring;
 - Compare to CCME Guideline;
 - As communicated by the Inspector, a new license monitoring may be added downstream of the spill 2022-544. Further details will be communicated by the Inspector in this regard;
- Alternate-day visual inspection of the contaminated zone and sump (including using petroleum test strips in ponding water, and PID meter);
 - Collection sumps will be emptied during freshet with vacuum truck if sheen is present or test strip are positive;
 - Increase in monitoring if unexpected results (positive hits) & flow observation;
- Initiate a round of soil sampling during thaw season (June-July-August-September in 2023);
 - Compare to CCME Guideline;
 - Remediate if required
 - Review frequency based on results;
- Add monitoring plan to the 2023 Freshet Action Plan.

Corrective measures

1. An investigation into the root causes of the incident was launched;
2. Review the current AWAR traffic procedure to address any deficiencies – especially regarding crossing equipment, right of way and winter conditions;
3. Until procedure is reviewed, all southbound tankers/tractor trailers must come to a complete stop when meeting a northbound tanker/tractor trailer, giving the right-of-way;
4. Road safety study to be completed;
 - This includes the review of building or restoring larger pullouts;
5. Agnico will install reflectors on the East side of the road (opposite side of flags) in critical areas identified by Arctic Fuel services to improve road edge awareness;
6. Review and reinforced road safety policies, procedure, and practice with all AWAR drivers;
7. Area to be backfilled with Non-Acid Generating (NAG) material once the area has been deemed remediated.

Closure



We trust that the above details described appropriately the spill incident that occurred at the Meadowbank Complex on November 28, 2021 and the remediation & monitoring activities. Please contact the undersigned should you have any questions.



Samuel Tapp | Environment Coordinator

samuel.tapp@agnicoeagle.com | Direct 819.759.3555 X4606744 |

Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

agnicoeagle.com    

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Figures

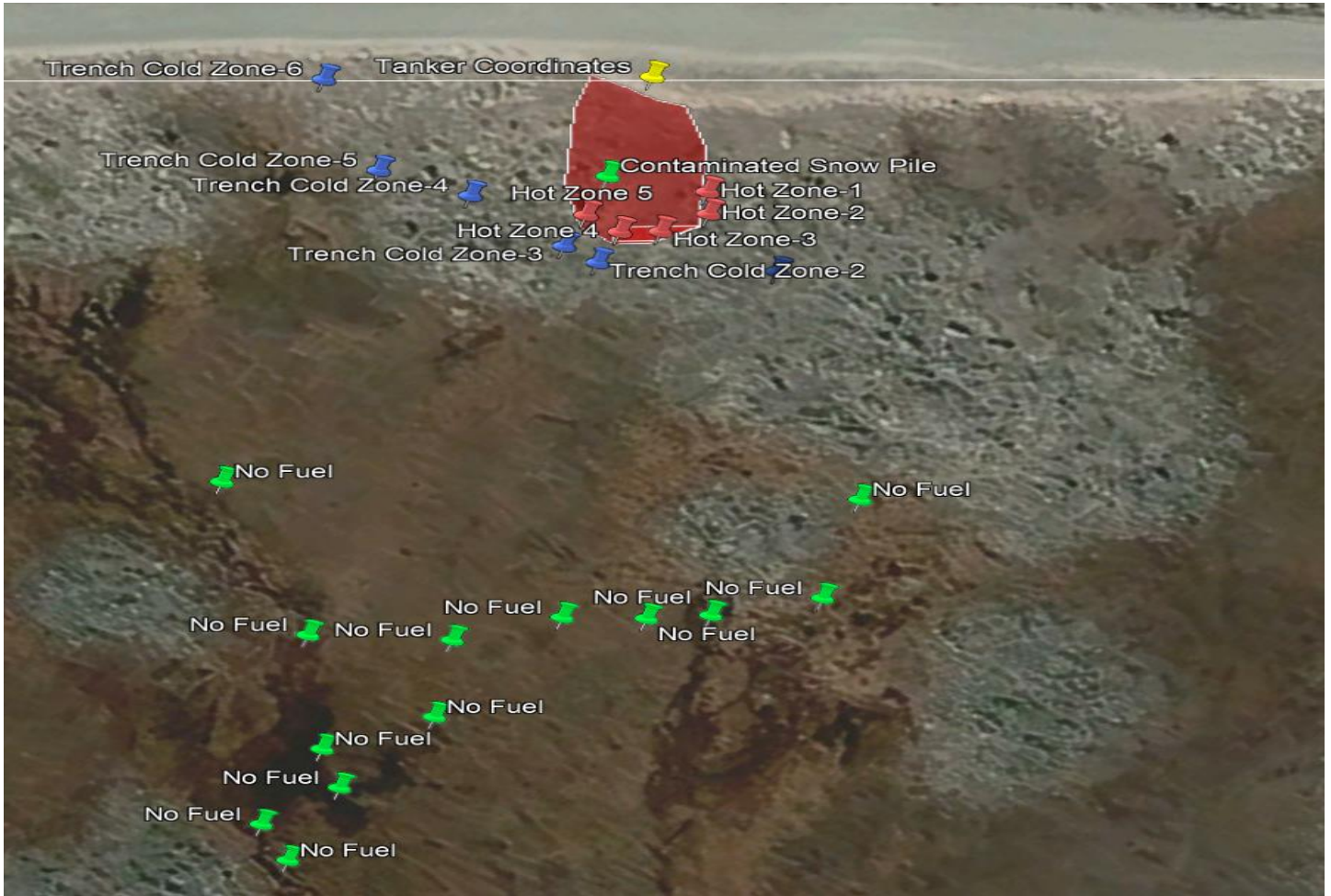


Figure 5. Aerial sketch of spill & tested areas

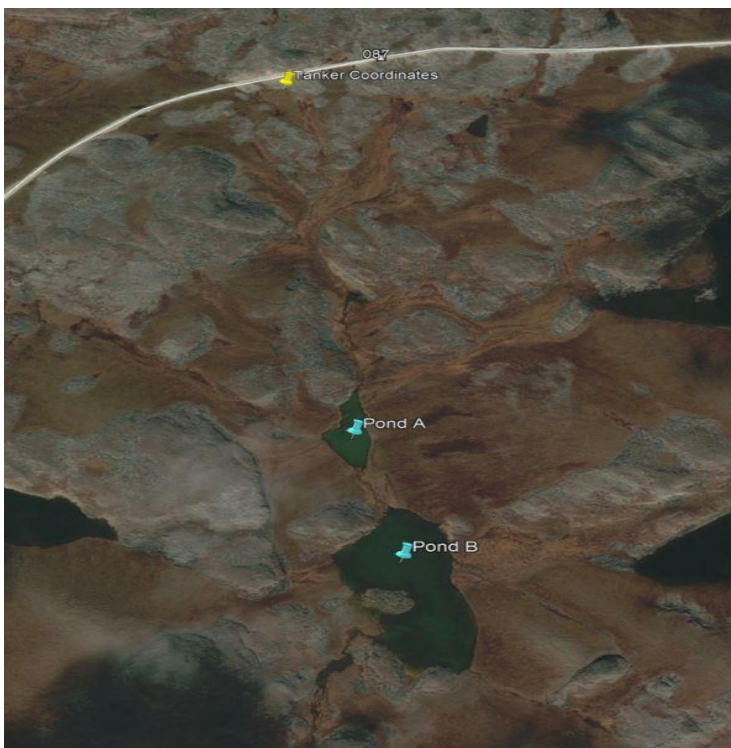


Figure 6. Aerial sketch of downstream receptor (pond A & B)



Figure 7. Damaged areas of tanker - 2022-11-30



Figure 8. Access ramp - 2022-11-30



Figure 9. Surface drainage trenches -2022-12-02



Figure 10. Excavation of Sump - 2022-12-04



Figure 11. Overview of spill area - 2022-12-04



Figure 12. Snow testing with PID after removal - 2022-12-06



Figure 13. Spill zone delineated for snow removal after blizzard and additional excavation 2022-12-07



Figure 14. Spill area after snow removal 2022-12-08



Figure 15. Excavation of spill area 2022-12-12



Figure 16. Excavation of spill area 2022-12-12



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

| | | | | |
|----------|--|--|---|------------------------|
| A | REPORT DATE: MONTH – DAY – YEAR 12-24-2022 | REPORT TIME 16:00 | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT | REPORT NUMBER _____ |
| B | OCCURRENCE DATE: MONTH – DAY – YEAR 12-23-2022 | OCCURRENCE TIME 21:00 | | |
| C | LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14 | WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA1530 | | |
| D | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION MEADOWBANK | REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN | | |
| E | LATITUDE DEGREES 65 MINUTES 01 SECONDS 09 | LONGITUDE DEGREES 96 MINUTES 03 SECONDS 13 | | |
| F | RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0C 0A0 | | |
| G | ANY CONTRACTOR INVOLVED | CONTRACTOR ADDRESS OR OFFICE LOCATION | | |
| H | PRODUCT SPILLED GLYCOL | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES TBD | U.N. NUMBER | |
| | SECOND PRODUCT SPILLED (IF APPLICABLE) | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES | U.N. NUMBER | |
| I | SPILL SOURCE GLYCOL HEATING SYSTEM | SPILL CAUSE DAMAGED PIPE | AREA OF CONTAMINATION IN SQUARE METRES 40 m2 | |
| J | FACTORS AFFECTING SPILL OR RECOVERY | DESCRIBE ANY ASSISTANCE REQUIRED | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT | |

| | | | | |
|----------|--|--|--|--|
| K | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS During operations at the Meadowbank complex, a code 1 was initiated after visible flames were observed at the warehouse and the Emergency Response Team was called to put out the fire. The adjacent corridor that connects the camp facilities to the warehouse was dismantled to prevent the propagation of the fire to the campsite causing the glycol present in the heating system to leak onto the ground of the pad. The contaminated material will be collected and brought to the Meadowbank tailing storage facility once the scene is unfrozen. There were no off site impacts or discharges. Distance to the closest water body is 360 m to Third Portage Lake. Spill Location: 65° 01' 15.6"N 96° 04' 08.65"W Contact information: Samuel Tapp 819-759-3555 EXT.: 460-6744 | | | |
|----------|--|--|--|--|

| | | | | | |
|----------|---|---|---------------------------------------|---|--|
| L | REPORTED TO SPILL LINE BY Samuel Tapp | POSITION Env. Coordinator | EMPLOYER Agnico Eagle Mines | LOCATION CALLING FROM Meadowbank | TELEPHONE 819-759-3555 |
| M | ANY ALTERNATE CONTACT Eric Haley | POSITION Env. Gen. Supervisor | EMPLOYER Agnico Eagle Mines | ALTERNATE CONTACT LOCATION Meadowbank | ALTERNATE TELEPHONE 819-651-1010 |

| REPORT LINE USE ONLY | | | | | |
|--|---------------------------|------------------------------|---|------------------------------------|---|
| N | RECEIVED AT SPILL LINE BY | POSITION STATION OPERATOR | EMPLOYER | LOCATION CALLED YELLOWKNIFE, NT | REPORT LINE NUMBER (867) 920-8130 |
| LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC | | | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN | | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY | | CONTACT NAME | CONTACT TIME | REMARKS | |
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| SECOND SUPPORT AGENCY | | | | | |
| THIRD SUPPORT AGENCY | | | | | |



AGNICO EAGLE

2022-12-23 MBK 1000L Glycol

GN reference #: 2022-561

Please find the following information as a follow up to the Spill report submitted December 23, 2022, by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1530, Part H, Item 8c.

Spill Description

During operations at the Meadowbank complex, a code 1 was initiated after visible flames were observed at the warehouse and the Emergency Response Team was called to put out the fire. The adjacent corridor that connects the camp facilities to the warehouse was dismantled to prevent the propagation of the fire to the campsite causing the glycol present in the heating system to leak.



Photo 1: Taken facing Southeast of the Fire



Photo 2: Taken facing North of the Fire



Photo 3: Taken facing South of the Fire



Photo 4: Taken facing Northeast of the Fire

Spill Location: 65° 01' 15.6"N 96° 04' 08.65"W IOL

There were no off-site impacts or discharges. Distance to the closest water body is 360 m to Third Portage Lake.

Cause of Spill

Due to the fire at the dome warehouse, the corridor that connected the warehouse to the main camp had to be dismantled to prevent the propagation of the fire to the camp facilities, damaging the glycol heating system. It was determined by the investigators that the cause of the fire was an electrical equipment failure.

Remediation Actions

- Code 1 was initiated to mobilize the emergency response team.
- The building maintenance team was called immediately to shutdown the heating glycol system and electricity that was feeding the section of the camp affected by the fire.
- The adjacent corridor that connects the camp facilities to the warehouse was dismantled to prevent the propagation of the fire to the campsite causing the glycol present in the heating system to be vaporized into the fire area.
- The time elapse between the call of the maintenance team and the complete shutdown of the glycol system was approximately 35 minutes.
- The zones that were accessible around the incident perimeter were assessed by the environment to evaluate the extend of the contaminated area.
- The visual assessment confirmed the witness's statement that the majority of the glycol had been consumed in the fire and that the remaining contaminant had been mixed with the water used to extinguish the fire, which, ultimately froze around the southern portion of the warehouse.
- Difficulty encountered in establishing a clean-up path forward and starting the decontamination due to the scene being frozen by the WSCC until March 7th.

Decontamination path forward:

- An external firm was hired and is scheduled to come on site in the beginning of April to support AEM field operations in the disassembling of the warehouse structure.
- A plan of the warehouse was designed, illustrating where material such as batteries were stored to ease the waste sorting throughout the dismantling phase.
- Excavate all contaminated material in the surrounding area.
- The debris sorting and contaminated material excavation will be executed under the supervision of the environment department to ensure they are disposed as per AEM management plans (e.g., snow/ice containing glycol will be brought to the tailing storage facility).

Corrective measures

1. Investigation of all work areas for potential fire hazards completed by Health and Safety team
2. Independent fire investigation conducted by specialized firm GESPRO to identify the cause of the fire
3. New temporary warehouse location was inspected prior to use to identify fire hazards
4. Independent fire risk assessment of all Meadowbank Complex buildings was conducted by specialized firm GESPRO

Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank site on December 23rd, 2022. Please contact the undersigned should you have any questions.



Samuel Tapp | Environment Coordinator

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Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut, Canada X0C 0A0

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