

## **Appendix F1**

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### **GN Spill Report**

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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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>01-29-2017</b>	REPORT TIME <b>12:00</b>	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	<b>REPORT NUMBER</b>  _____
	OCCURRENCE DATE: MONTH – DAY – YEAR <b>01-28-2017</b>	OCCURRENCE TIME <b>6:30</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>MEADOWBANK MINE SITE</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>01</b> SECONDS <b>44</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>02</b> SECONDS <b>55</b>		
	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE MINES LTD</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0C 0A0</b>		
<b>H</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
	PRODUCT SPILLED <b>HYDRAULIC OIL</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>~200 L</b>	U.N. NUMBER <b>N/A</b>	
<b>I</b>	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
	SPILL SOURCE <b>LOA 12</b>	SPILL CAUSE <b>HOSE FAILURE</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>10 M2</b>	
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS			
	<p><b>During operations at Vault, a hydraulic hose failed on Loader 12. Operator of the equipment stopped the engine right away to stop spilling more product on the ground. Operator contacted his supervisor immediately to have the equipment repaired.</b></p> <p><b>All the contaminated material was graded and picked up with 980 loader and taken to the Landfarm.</b></p> <p><b>There was no off-site impacts or discharge to any receiving watercourses.</b></p> <p><b>Spill location : Northing: 65 04'31.43 Easting: 96 00'32.46</b></p> <p><b>Contact information : Martin Theriault 819-759-3555 ext. 6744</b></p>			

<b>L</b>	REPORTED TO SPILL LINE BY <b>Martin Theriault</b>	POSITION <b>COORDINATOR</b>	EMPLOYER <b>Agnico Eagle Mines</b>	LOCATION CALLING FROM <b>MEADOWBANK</b>	TELEPHONE <b>8197593555</b>
	ANY ALTERNATE CONTACT <b>Robin Allard</b>	POSITION <b>SR COORDINATOR</b>	EMPLOYER <b>Agnico Eagle Mines</b>	ALTERNATE CONTACT LOCATION <b>MEADOWBANK</b>	ALTERNATE TELEPHONE <b>8197593555</b>

REPORT LINE USE ONLY

<b>N</b>	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					



**AGNICO EAGLE**

## January 28<sup>th</sup>, 2017 LOA 12 oil spill

Please find the following information as a follow up to the Spill report submitted January 29th, 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

During operations at Vault, a hydraulic hose failed on Loader 12

There were no off site impact or discharge to any receiving watercourses.

Spill location: Northing: 65'04'31" Easting: 96'00'32"

### Cause of Spill

Hose failure

### Remediation Actions

Operator of the equipment stopped the engine right away to stop spilling more products on the ground. Operator contacted his supervisor immediately to have the equipment repaired.

All the contaminated material was graded and picked up with a 980 loader and taken to the Landfarm.



## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on January 28th, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.

**Martin Theriault**  
**Environmental Technician**

[martin.theriault@agnicoeagle.com](mailto:martin.theriault@agnicoeagle.com)

T: 819.759.3555 x6744

Agnico Eagle Mines Limited

Meadow bank Division

Baker Lake, Nunavut, Canada

X0C 0A0



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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>01-29-2017</b>	REPORT TIME <b>12:00</b>	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR <b>01-29-2017</b>	OCCURRENCE TIME <b>1:00</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>MEADOWBANK MINE SITE</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>01</b> SECONDS <b>44</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>02</b> SECONDS <b>55</b>		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE MINES LTD</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0C 0A0</b>		
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
<b>H</b>	PRODUCT SPILLED <b>DIESEL FUEL</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>~300 L</b>	U.N. NUMBER <b>1202</b>	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
<b>I</b>	SPILL SOURCE <b>Haul Truck 01</b>	SPILL CAUSE <b>Defective wiggins</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>25m2</b>	
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS <b>After the refueling of the HTR 01, the tanker operator took off the nozzle but fuel came out of the haul truck tank and sprayed on the ground. After investigation, it was observed that the wiggins on the Haul Truck caused the spill.</b>  <b>All the contaminated material was graded and picked up with 980 loader and taken to the Landfarm.</b>  <b>There was no off-site impacts or discharge to any receiving watercourses.</b> <b>Spill location : Northing: 65 03'46.10 Easting: 95 59'39.49</b>  <b>Contact information: Martin Theriault 819-759-3555 ext. 6744</b>			
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<b>L</b>	REPORTED TO SPILL LINE BY <b>Martin Theriault</b>	POSITION <b>Coordinator</b>	EMPLOYER <b>Agnico Eagle Mines</b>	LOCATION CALLING FROM <b>MEADOWBANK</b>	TELEPHONE <b>8197593555</b>
<b>M</b>	ANY ALTERNATE CONTACT <b>Robin Allard</b>	POSITION <b>SR Coordinator</b>	EMPLOYER <b>Agnico Eagle Mines</b>	ALTERNATE CONTACT LOCATION <b>MEADOWBANK</b>	ALTERNATE TELEPHONE <b>8197593555</b>

REPORT LINE USE ONLY					
<b>N</b>	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					



## January 29<sup>th</sup>, 2017 HTR 01 fuel spill

Please find the following information as a follow up to the Spill report submitted January 29th, 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

After the refueling of the HTR 01, the tanker operator took off the nozzle but fuel came out of the haul truck tank and sprayed on the ground.

There were no off site impact or discharge to any receiving watercourses.

Spill location: Northing: 65'03'46" Easting: 95'59'39"

### Cause of Spill

After investigation, it was observed that the wiggins on the Haul Truck caused the spill.



## Remediation Actions

Investigation was made to identify the cause of the spill. All wiggins were inspected to avoid a second occurrence and information from the supplier was requested. The area was graded and a loader collected the contaminated soil and brought it to the landfarm.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on January 29th, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.

A handwritten signature in blue ink, appearing to read 'Martin Theriault', is centered on a light green rectangular background.

**Martin Theriault**  
**Environmental Technician**

[martin.theriault@agnicoeagle.com](mailto:martin.theriault@agnicoeagle.com)

T: 819.759.3555 x6744

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

# 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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR 02-12-2017	REPORT TIME 22:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE #	REPORT NUMBER -	
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR 02-13-2017	OCCURRENCE TIME 21:30			
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14	WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA-1525			
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION MEADOWBANK MINE SITE		REGION <input type="checkbox"/> NT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION		
<b>E</b>	LATITUDE DEGREES 65 MINUTES 02 SECONDS 14		LONGITUDE DEGREES 96 MINUTES 03 SECONDS 58		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0X 0A0			
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
<b>H</b>	PRODUCT SPILLED HYDRAULIC OIL	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 350 LITERS	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
<b>I</b>	SPILL SOURCE BACKHOE	SPILL CAUSE BROKEN MAIN LINE	AREA OF CONTAMINATION IN SQUARE METRES 100 M2		
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS During operations at Vault pit, the operator of backhoe 11 noticed that the shovel was leaking oil. He stopped immediately the engine of the equipment. The contaminated material will be collected and disposed at the landfarm. There were no off site impact or discharge to any receiving watercourses. Distance to closest lake is estimated at 1050 meters.  Spill location : Northing: 65'04'25" Easting: 95'59'54" on IOL.  Contact information : Robin Allard 819-759-3555 ext. 6744				
<b>L</b>	REPORTED TO SPILL LINE BY ROBIN ALLARD	POSITION SR COORDINATOR	EMPLOYER Agnico Eagle Mines	LOCATION CALLING FROM MEADOWBANK	TELEPHONE 8197593555
<b>M</b>	ANY ALTERNATE CONTACT ERIKA VOYER	POSITION GEN SUPERVISOR	EMPLOYER Agnico Eagle Mines	ALTERNATE CONTACT LOCATION MEADOWBANK	ALTERNATE TELEPHONE 8677934610
REPORT LINE USE ONLY					
<b>N</b>	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/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> OTHER: _____		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**

## February 12<sup>th</sup>, 2017 Vault BAC11 spill

Please find the following information as a follow up to the Spill report submitted February 13<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

During operations at Vault pit, the operator of the backhoe noticed that the shovel of the equipment was leaking oil.

Spill location: Easting 65'04'25" 95'59'54"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 1050 meters.



## Cause of Spill

The spill was caused by a broken fitting on the main hydraulic pump of the backhoe.

## Remediation Actions

The equipment was stopped immediately. Once the equipment was repaired in field and could safely be removed, the area was cleaned. The contaminated material removed was brought to the landfarm area.



## Corrective measures

The hydraulic system including hoses and fittings are inspected as part of the preventive maintenance program done on site. Also, evidence of wear and/or fatigue is communicated during the daily pre-operational checks.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on February 12<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Robin Allard**  
**Environmental Senior Coordinator**

[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)

T: 819.759.3555 x6744

Agnico Eagle Mines Limited  
Meadowbank Division



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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>2017-02-22</b>	REPORT TIME <b>10:30</b>	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR <b>2017-02-21</b>	OCCURRENCE TIME <b>16:30</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>MEADOWBANK MINE SITE</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>02</b> SECONDS <b>14</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>03</b> SECONDS <b>58</b>		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE MINES LTD</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE XOX 0A0</b>		
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
<b>H</b>	PRODUCT SPILLED <b>HYDRAULIC OIL</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>180 LITERS</b>	U.N. NUMBER <b>N/A</b>	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
<b>I</b>	SPILL SOURCE <b>BACKHOE</b>	SPILL CAUSE <b>BROKEN "O" RING</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>20</b>	
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS			
	<p><b>During operations at the top of the primary crusher, the operator of backhoe 07 noticed that the hammer was leaking oil. The operator immediately lowered the hammer and stopped the engine. The contaminated material on the pad will be collected and disposed of in the landfarm. The oil that leaked onto the ore stockpile will be ran through the crusher. There were no off site impact or discharge to any receiving watercourses. Distance to closest lake is estimated at 600m.</b></p> <p><b>Spill location: Northing: 65'01'05" Easting: 96'03'49"</b></p> <p><b>Contact Information: Tom Thomson 819 759 3555 ext. 6759</b></p>			

<b>L</b>	REPORTED TO SPILL LINE BY <b>Tom Thomson</b>	POSITION <b>Sr. Technician</b>	EMPLOYER <b>Agnico Eagle Mines</b>	LOCATION CALLING FROM <b>Meadowbank</b>	TELEPHONE <b>8197593555</b>
	ANY ALTERNATE CONTACT <b>Erika Voyer</b>	POSITION <b>General Supervisor</b>	EMPLOYER <b>Agncio Eagle Mines</b>	ALTERNATE CONTACT LOCATION <b>Meadowbank</b>	ALTERNATE TELEPHONE <b>8677934610</b>

REPORT LINE USE ONLY

<b>N</b>	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					



**AGNICO EAGLE**

## February 21<sup>st</sup>, 2017 BAC07 spill

Please find the following information as a follow up to the Spill report submitted February 21<sup>st</sup>, 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

During operations at the top of the primary crusher, the operator of backhoe 07 noticed that the hammer was leaking oil.

Spill location: Easting 65'01'05" 96'03'49"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 600 meters.

### Cause of Spill

The spill was caused by a hydraulic line that came loose on the hammer of backhoe 07

### Remediation Actions

The operator lowered the hammer to the ground and shut down the equipment. Once the backhoe was repaired and could safely be removed, the area was cleaned. The contaminated material on the crusher pad was collected and sent to the land farm. The oil that leaked onto the ore stockpile was run through the crusher and mill process.

## Corrective measures

All hydraulic hoses and fittings were checked prior to the restart of backhoe 07. Pre-operational checks and preventative maintenance will continue to be a priority.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on February 21<sup>st</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Tom Thomson**  
**Senior Environmental Technician**  
tom.thomson@agnicoeagle.com  
T: 819.759.3555 x6759

Agnico Eagle Mines Limited  
Meadowbank Division  
Baker Lake, Nunavut, Canada  
XOC OAO





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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>02-26-2017</b>	REPORT TIME <b>14:30</b>	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	<b>REPORT NUMBER</b>  _____
	OCCURRENCE DATE: MONTH – DAY – YEAR <b>02-25-2017</b>	OCCURRENCE TIME <b>16:00</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>MEADOWBANK MINE SITE</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>01</b> SECONDS <b>44</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>02</b> SECONDS <b>55</b>		
	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE MINES LTD</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0C 0A0</b>		
<b>H</b>	PRODUCT SPILLED <b>Sewage</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>130 L</b>	U.N. NUMBER <b>N/A</b>	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
<b>I</b>	SPILL SOURCE <b>Sewage truck 08</b>	SPILL CAUSE <b>Hose Failure</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>25 m2</b>	
	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS			
	<b>During the transfer of sewage from the sewage truck to the Sewage Treatment Plan (STP), the transfer hose broke, resulting in sewage spilled on the ground beside the STP.</b>			
	<b>All the contaminated material and snow have been excavated and picked up, then taken to the tailings storage facility for disposal. Follow-up report on the cleanup actions will be sent.</b>			
	<b>There was no off-site impacts or discharge to any receiving watercourses. Spill location : Northing: 65 01'20.4    Easting: 96 04'11.1  Contact information : Erika Voyer 819-759-3555 ext. 6980</b>			

<b>L</b>	REPORTED TO SPILL LINE BY <b>Erika Voyer</b>	POSITION <b>Gen. Supervisor</b>	EMPLOYER <b>Agnico Eagle Mines</b>	LOCATION CALLING FROM <b>MEADOWBANK</b>	TELEPHONE <b>8197593555</b>
	ANY ALTERNATE CONTACT <b>Robin Allard</b>	POSITION <b>SR COORDINATOR</b>	EMPLOYER <b>Agnico Eagle Mines</b>	ALTERNATE CONTACT LOCATION <b>MEADOWBANK</b>	ALTERNATE TELEPHONE <b>8197593555</b>

REPORT LINE USE ONLY

<b>N</b>	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**

## February 25<sup>th</sup>, 2017 STP Truck spill

Please find the following information as a follow up to the Spill report submitted February 26<sup>th</sup>, 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

During the transfer of sewage from the sewage truck to the Sewage Treatment Plan (STP), the transfer hose broke, resulting in sewage spilling on the ground beside the STP.

Spill location: Easting 65'01'20.4" 96'043'11"

There were no off site impact or discharge to any receiving watercourses.



### Cause of Spill

The spill was caused by broken transfer hose on the sewage truck.

## Remediation Actions

All the contaminated material and snow was excavated, picked up, and taken to the North cell tailings storage facility for disposal.



## Corrective measures

The transfer hose was replaced on the sewage truck. It will be visually inspected regularly for possible signs of fatigue and replaced and/or repaired, if necessary.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on February 25<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.

**Robin Allard**  
**Environmental Senior Coordinator**

[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)

T: 819.759.3555 x6744

Agnico Eagle Mines Limited  
Meadowbank Division







# 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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR 03-14-2017	REPORT TIME 15:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE #	REPORT NUMBER -	
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR 03-13-2017	OCCURRENCE TIME 15:05			
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14	WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA-1525			
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION MEADOWBANK MINE SITE		REGION <input type="checkbox"/> NT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION		
<b>E</b>	LATITUDE DEGREES 65 MINUTES 02 SECONDS 14		LONGITUDE DEGREES 96 MINUTES 03 SECONDS 58		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0X 0A0			
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
<b>H</b>	PRODUCT SPILLED HYDRAULIC OIL	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 500 LITERS	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
<b>I</b>	SPILL SOURCE BACKHOE	SPILL CAUSE BROKEN PUMP	AREA OF CONTAMINATION IN SQUARE METRES 100 M2		
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
<b>K</b>	<b>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</b> During operations at pit E5, the swing pump and a seal on backhoe 13 broke causing hydraulic oil to leak. The equipment was stopped during repairs. The contaminated material will be collected and disposed at the landfarm. There were no off site impact or discharge to any receiving watercourses. Distance to closest lake is estimated at 150 meters.  Spill location : Northing: 65'00'42" Easting: 96'03'04" on IOL.  Contact information : Robin Allard 819-759-3555 ext. 6744				
<b>L</b>	REPORTED TO SPILL LINE BY ROBIN ALLARD	POSITION SR COORDINATOR	EMPLOYER Agnico Eagle Mines	LOCATION CALLING FROM MEADOWBANK	TELEPHONE 8197593555
<b>M</b>	ANY ALTERNATE CONTACT ERIKA VOYER	POSITION GEN SUPERVISOR	EMPLOYER Agnico Eagle Mines	ALTERNATE CONTACT LOCATION MEADOWBANK	ALTERNATE TELEPHONE 8677934610

REPORT LINE USE ONLY					
<b>N</b>	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/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> OTHER: _____			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**

## March 13<sup>th</sup>, 2017 Pit E5 BAC13 spill

Please find the following information as a follow up to the Spill report submitted March 14<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

During operations at pit E5, a part of the backhoe swing pump failed causing hydraulic oil to spill on the ground.

Spill location: Easting 65'00'42" 96'03'04"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 150 meters.



### Cause of Spill

The spill was caused when the swing pump and a seal failed on the loading unit.

## Remediation Actions

The equipment had to be moved to proceed to the field repair. This action caused some hydraulic oil to be spread in the movement zone. The surface of the affected area was cleaned, coarseness of the material making recovery difficult. The contaminated material removed was brought to the landfarm area.



## Corrective measures

The hydraulic system including hoses and fittings are inspected as part of the preventive maintenance program done on site. Routine visual inspection of the hydraulic system is also performed during pre-operations checks.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on March 13<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Robin Allard**  
**Environmental Senior Coordinator**

[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)

T: 819.759.3555 x6744

Agnico Eagle Mines Limited  
Meadowbank Division

**AGNICO EAGLE** 



# 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

<b>A</b>	<b>REPORT DATE: MONTH – DAY – YEAR</b> 03-29-2017	<b>REPORT TIME</b> 18:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE #		<b>REPORT NUMBER</b> -
<b>B</b>	<b>OCCURRENCE DATE: MONTH – DAY – YEAR</b> 03-29-2017	<b>OCCURRENCE TIME</b> 10:30			
<b>C</b>	<b>LAND USE PERMIT NUMBER (IF APPLICABLE)</b> KIOL-BL-14	<b>WATER LICENCE NUMBER (IF APPLICABLE)</b> NWB-2AM-MEA-1525			
<b>D</b>	<b>GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION</b> MEADOWBANK MINE SITE		<b>REGION</b> <input type="checkbox"/> NT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION		
<b>E</b>	<b>LATITUDE DEGREES 65 MINUTES 02 SECONDS 14</b>		<b>LONGITUDE DEGREES 96 MINUTES 03 SECONDS 58</b>		
<b>F</b>	<b>RESPONSIBLE PARTY OR VESSEL NAME</b> AGNICO EAGLE MINES LTD	<b>RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION</b> BAKER LAKE X0X 0A0			
<b>G</b>	<b>ANY CONTRACTOR INVOLVED</b> ARCTIC FUEL	<b>CONTRACTOR ADDRESS OR OFFICE LOCATION</b>			
<b>H</b>	<b>PRODUCT SPILLED</b> DIESEL FUEL	<b>QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES</b> 4885L	<b>U.N. NUMBER</b> 1202		
	<b>SECOND PRODUCT SPILLED (IF APPLICABLE)</b>	<b>QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES</b>	<b>U.N. NUMBER</b>		
<b>I</b>	<b>SPILL SOURCE</b> TANKER	<b>SPILL CAUSE</b> TANKER OFF-ROAD	<b>AREA OF CONTAMINATION IN SQUARE METRES TO BE DETERMINED</b>		
<b>J</b>	<b>FACTORS AFFECTING SPILL OR RECOVERY</b>	<b>DESCRIBE ANY ASSISTANCE REQUIRED</b>	<b>HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT</b>		
<b>K</b>	<b>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</b> Hauling diesel fuel from Baker Lake to the Meadowbank site, a tanker went off road and rolled-over at km 77. The operator was uninjured and was taken out of the equipment. The tanker being on the side, it's impossible for us to evaluate the quantity spilled, the quantity will be determined upon removal of equipment. The fuel is being transfer from the tanker to another tanker on the road.  There were no discharge to any receiving watercourses. Distance to closest lake is estimated at more than 2 kilometer. Coordinates N 64 53' 41" W 96 20' 22" Contact information : Martin Theriault 819-759-3555 ext. 6744				
<b>L</b>	<b>REPORTED TO SPILL LINE BY</b> MARTIN THERIAULT	<b>POSITION</b> ENV. COORDINATOR	<b>EMPLOYER</b> Agnico Eagle Mines	<b>LOCATION CALLING FROM</b> MEADOWBANK	<b>TELEPHONE</b> 8197593555
<b>M</b>	<b>ANY ALTERNATE CONTACT</b> ROBIN ALLARD	<b>POSITION</b> SR COORDINATOR	<b>EMPLOYER</b> Agnico Eagle Mines	<b>ALTERNATE CONTACT LOCATION</b> MEADOWBANK	<b>ALTERNATE TELEPHONE</b> 8677934610
REPORT LINE USE ONLY					
<b>N</b>	<b>RECEIVED AT SPILL LINE BY</b>	<b>POSITION</b> Station operator	<b>EMPLOYER</b>	<b>LOCATION CALLED</b> Yellowknife, NT	<b>REPORT LINE NUMBER</b> (867) 920-8130
<b>LEAD AGENCY</b> <input type="checkbox"/> EC <input type="checkbox"/> CCG/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> <input type="checkbox"/> ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> OTHER: _____		<b>SIGNIFICANCE</b> <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		<b>FILE STATUS</b> <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED	
<b>AGENCY</b>	<b>CONTACT NAME</b>	<b>CONTACT TIME</b>	<b>REMARKS</b>		
<b>LEAD AGENCY</b>					
<b>FIRST SUPPORT AGENCY</b>					
<b>SECOND SUPPORT AGENCY</b>					
<b>THIRD SUPPORT AGENCY</b>					



## March 29<sup>th</sup>, 2017 km 77 tanker spill

Please find the following information as a follow up to the Spill report submitted March 29<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

Hauling diesel fuel from Baker Lake to the Meadowbank site, a tanker from Arctic Fuel Services went off road and rolled-over at km 77 on the AWAR. The operator was uninjured and was taken out of the equipment.

After estimation on volumes collected and volumes initially filed into the tanker, the spill was estimated at 4885 liters of diesel fuel.

Spill location: Easting 64'53'41" 96'20'22"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at more than 2000 meters.



## Cause of Spill

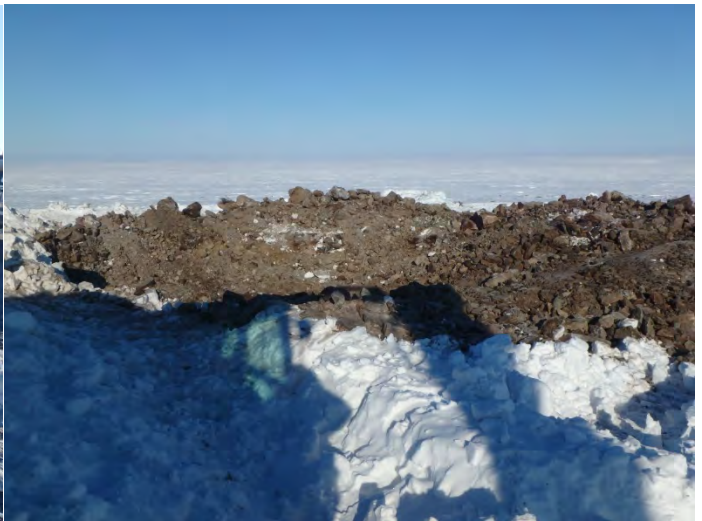
The incident occurred when the tanker moved on the side of the road for traffic coming in the opposite direction. What the driver thought was the side of the road was hardened snow and caused the tanker to roll over on its side. A leak was observed from the tank once responders arrived on location.



## Remediation Actions

The leak was stopped and the fuel from the fallen tanker was pumped into a second one for transport to the meadowbank site. Once emptied, the damaged tanker was removed from the location. Contaminated snow was removed and brought to the tailings storage facility. The area was then excavated. A PID meter was used in-field to determine areas of clean-up. Contaminated soil was brought to the landfarm area. A third party assessment was completed on the clean-up actions, including soil samples collection.





## Corrective measures

An investigation was completed with the current stakeholders and amongst contributing factors was: lack of communication, improper awareness of surroundings and inadequate work standards. The event was reviewed with the Arctic Fuel drivers to reinforce proper communication on the AWAR and the importance of training and comprehension of road procedures. An evaluation will also be done on the possibility of installing more reflectors along the road to Baker Lake.

## Subsequent follow-ups and information

Upon reception of soil sampling results and reception of a field report from our consultant, more detailed information will be provided concerning clean-up. We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on March 29<sup>th</sup>, 2017 and the first details of the cleanup activities. Please contact the undersigned should you have any questions.



**Robin Allard**  
**Environmental Senior Coordinator**

[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)

T: 819.759.3555 x6744

Agnico Eagle Mines Limited  
Meadowbank Division

**AGNICO EAGLE** 





**SPILL REMEDIATION AND RECLAMATION REPORT  
Meadowbank Tanker Spill, KM 77**

**Meadowbank, Nunavut**

*PREPARED FOR:*  
**Agnico Eagle Mines Ltd.**

*PREPARED BY:*  
**SWAT Consulting Inc.**

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## **INTRODUCTION**

On May 26, 2016 Agnico Eagle Mines Ltd. (Agnico) encountered a tanker truck rollover at KM 77 on the Meadowbank Mine access road (Figures 1 and 2). Approximately 5 m<sup>3</sup> of diesel fuel was spilled from the tanker and entered the road ditch. The fluids were contained within the ditch. Agnico personnel began immediate containment and recovery efforts. On April 21, SWAT Consulting Inc. (SWAT) arrived on site to evaluate spill containment, recovery and continue with clean-up efforts. The following report contains detailed information regarding the KM 77 Tanker spill and clean-up actions.

## **OBJECTIVES AND SCOPE OF WORK**

The objectives of the spill response and assessment activities were as follows:

- evaluate spill containment and ensure no further migration of the released fluid into the surrounding environment;
- evaluate the soil quality with reference to the Canadian Council of Ministers of the Environment *Canadian Soil Quality Guidelines for the Protection of the Environmental and Human Health; Industrial* (2008); and,
- coordinate with Agnico operations to remediate the release area.

The scope of work included:

- completing a background investigation of biophysical conditions in the area;
- delineating the impacted area through field screening and soil sampling;
- excavating hydrocarbon impacted materials from the spill area;
- comparing laboratory analytical results with the Canadian Council of Ministers of the Environment *Canadian Soil Quality Guidelines for the Protection of the Environmental and Human Health; Industrial* (2008), and;
- preparing a report detailing remediation and reclamation activities.

## **BIOPHYSICAL INVENTORY**

Understanding the biophysical surroundings and potential receptors is imperative to developing a containment and remediation strategy suitable for expediting clean-up activities. The following section provides information on the environment in the vicinity of the spill.

The spill site is within the Northern Arctic ecozone of Canada. This ecozone is the coldest and driest part of the country. The average annual temperature is -3°C with an average precipitation of 100 to 200 mm a year classifying the region as the Arctic Desert. July and August are generally the only snow free months. Permafrost is present everywhere in this ecozone and can extend downwards for over 1000 m.

The major controlling influence on hydrologic response in the area is the presence of continuous permafrost underlying the landscape. Though the area receives relatively little precipitation, runoff is significant. Peak flows, which generally occur in June, arise very quickly because of the shallow active layer. Snowmelt generally moves into drainage channels quickly as evapotranspiration rates are low and infiltration is slow.

### Vegetation

The Northern Arctic ecozone is above the tree line where vegetation is sparse and the species diversity is limited. Plants are generally more stunted and sparse moving north.

Common plants of this ecozone include purple saxifrage, mountain avens, arctic poppy, arctic willow, *Dryas* species, kobresia, sedges, cottongrass, moss, dwarf birch, northern Labrador tea, *Vaccinium* species, alder, alpine foxtail, wood rush, wire rush, moss campion, white arctic heather, arctic bladder campion, yellow oxytrope, mastodon flower, arctic lousewort, mountain sorrel, pygmy buttercup, and chickweed.

### Soils

This ecozone consists of Palaeozoic and Mesozoic sedimentary rock in the west and Precambrian granite bedrock to the east. Most of the Northern Arctic ecozone is flat or slightly rolling terrain. The west is littered with glacial deposits and shattered limestone. Plains may extend for several kilometres inland from the coast; once underwater, these plains are now expanding as the continent rises after having been pushed down by glaciers during previous ice ages. The east is characterized by plateaus and rocky hills, which eventually lead to the mountains of the Arctic Cordillera ecozone.

### Fish and Wildlife

Publicly available information was reviewed to determine if the spill area interacts with wildlife, and/or aquatic life. The following list provides a list of potential fish and wildlife species that may be present within the area:

Wildlife	Avian Species	Fish
Muskox	Snow Geese	Forage species
Moose	Gyrfalcon	Arctic Char
Wolf	Willow Ptarmigan	Arctic Grayling
Arctic Fox	Rock Ptarmigan	Northern Pike
Grizzly	Parasitic Jaeger	Walleye
Arctic Hare	Snowy Owl	Lake Trout
Arctic Ground Squirrel	Snow Bunting	Burbot
Arctic wolf	Red-throated Loon	
Brown Lemming	Arctic Loon	
Barren-land Caribou	Snow Goose	
Ermine	Rough-legged hawk	
Wolverine	Brant	
Snowshoe Hare	Canada Goose	
Arctic Hare	Eider	
Brown Lemming		
Collard Lemming		

### Archeological Sites

There are no known archeological resources within the vicinity of the spill site.

## **RESPONSE ACTIVITIES**

The following section provides a summary of events to date.

The spill was reported on March 29, 2017 from a tanker truck rollover carrying diesel fuel from Baker Lake to Meadowbank. Approximately 4885 L of diesel fuel saturated the immediate ditch area. Agnico Eagle Mines Ltd. (Agnico) responded to the spill and immediately began containment and cleanup activities.

During initial response activities, Agnico removed the tanker and completed a surface scrape of the area. Impacted snow and surface soil was stockpiled beside the excavation. Once the initial material was removed, Agnico began excavating deeper impacted material and continued to stockpile it at the rollover location. On April 21, SWAT arrived on site assess the remediation efforts and to field screen and sample the excavation. SWAT removed additional impacted material from the spill boundaries and transported the material (including the stockpile) to the Meadowbank landfarm for remediation. When the excavation was complete, SWAT collected confirmatory samples and submitted them for laboratory analysis.

## **CONFIRMATORY SAMPLING**

SWAT collected confirmatory soil samples from the base and walls of the excavations. The samples were sent for laboratory analysis of petroleum hydrocarbon fractions (F) 1-4, benzene, toluene, ethylene and xylene (BTEX) and polycyclic aromatic hydrocarbons (PAH). Select samples were also submitted for particle size analysis to determine contaminant transport pathways for criteria selection. The results were used to guide additional contaminated material removal. On April 22, 2017, confirmatory sampling determined that the excavation boundaries met applicable guidelines for hydrocarbon parameters of concern.

## **METHODS**

### Safe Work Procedures

SWAT adhered to all legislated, Agnico, and internal safety policies throughout the duration of the work. Standard personal-protective equipment including a hard hat, steel-toed boots, safety glasses, and coveralls were worn by all personnel on site. SWAT personnel on site held valid safety certification (Orientation, Ground Disturbance Level II, Transportation of Dangerous Goods, Workplace Hazardous Material Information System and Standard Level First Aid).

### Soil Sampling Procedures

Sampling procedures followed industry-recognized requirements throughout the sample collection process. Clean nitrile gloves were worn when handling soil and changed between sampling events and/or after handling potentially impacted soil to prevent cross-contamination. Select samples were packed into laboratory supplied glass jars and placed in coolers packed with ice to maintain a temperature as close to 4°C as possible for transport to an accredited laboratory for analysis. Standard chain-of-custody protocol was followed during the transportation of samples. Soil samples were field screened for volatile organic compounds

(VOCs) using a MiniRae Lite handheld VOC detector. The MiniRae was bump tested prior to field screening activities with a calibration gas standard. Samples were individually placed into plastic bags, sealed, and warmed to approximately 20°C to testing. Organic vapour concentrations were then measured and recorded.

Samples were selected for laboratory analysis from specific COCs based on field observations, delineation objectives, and regulatory requirements.

#### Laboratory Quality Assurance and Quality Control

Select soil samples collected during remediation activities were submitted to H2Lab Inc. in Rpuyn-Noranda, Quebec. The analytical suite was selected based on regulated compounds that are typically associated with diesel fuel, and MSDS sheets.

H2Lab Inc. is an accredited laboratory that uses Canadian recognized methods to conduct laboratory analyses. Method blanks, control standards samples, CRM standards, method spikes, replicates, duplicates and instrument blanks are routinely analyzed as part of the QA/QC program at the laboratory. The lab should only release data if it passes the laboratory QA/QC procedures.

#### Regulatory Framework

Regulatory guidelines vary depending on the land use category, soil grain size, and soil depth. Based on analytical results, the soil texture was determined to be coarse-grained with coarse grain guidelines being applied. The release site is located within an industrial landuse setting. Soil laboratory test results were, therefore, evaluated using the Canadian Council of Ministries of the Environment *Canadian Soil Quality Guidelines for the Protection of the Environmental and Human Health; Industrial* (2008).

## **RESULTS**

SWAT collected 4 soil samples from the walls of the excavation and 2 soil samples from the base of the south excavation (Figures 3 and 4). Soil analytical tables are attached. Final confirmatory results determined that all soil within the excavation met guidelines with the exception. The detection limit for Naphthalene was above guideline due to moisture content in the sample.

CCME suggests that investigation and management of polycyclic aromatic hydrocarbons, particularly naphthalene, are considered based on concentrations relative to other petroleum-derived-hydrocarbons. Based on limitations in calculating direct soil contact, soil quality guidelines for the majority of the PAHs are of little practical significance to the overall achievement of environmental protection goals at Canadian contaminated sites (CCME, 2010). In this case, associated hydrocarbon contaminants of concern were removed from within the excavation boundaries, but inputs of naphthalene (vehicle exhaust) are present within the immediate vicinity of the work area. Naphthalene may be present for reasons other than due to the spill. To maintain an overall net-environmental gain, naphthalene was not chosen as a parameter of concern.

## CONCLUSIONS

Approximately 5 m<sup>3</sup> of diesel fuel was released from a tanker truck that rolled over at km 77 while travelling from Baker Lake to Meadow Bank. Agnico and SWAT completed response and remediation activities at the spill site. Final confirmatory soil samples indicated that contaminants relating to the spill have been remediated to meet CCME guidelines. Due to the moisture content of the samples, the laboratory detection limit of naphthalene is above the suggested guideline. If naphthalene is present within the area, the exceedances are likely minor and may be anthropogenic from inputs other than the spill.

Total estimated volume of 280 m<sup>3</sup> of impacted snow and soil removed from the spill area. This material is currently stockpiled at the Meadowbank Landfarm where it will undergo remediation.

## CLOSURE

SWAT appreciated the opportunity to work on this project. Please do not hesitate to contact the undersigned at (780) 660-4883 for additional information.

This report was prepared by:



Sherree Dallyn, B.Sc., EP, QAES, P.Biol  
*Senior Environmental Scientist/Aquatic and Wetland Specialist*  
SWAT Consulting Inc.

## DISCLOSURE

The material contained in this report reflects SWAT Consulting Inc.'s best judgment in light of the information available at the time of preparation. SWAT Consulting Inc. prepared this report for the sole use of Agnico Eagle Mines. Any use which a third party makes of this report, or any reliance on, or decisions based on this report, are the responsibility of such third parties. SWAT Consulting Inc. and Agnico Eagle Mines will not be held responsible or liable for any damages to the physical environment, any property, or to life, which may have occurred from actions of decisions based upon any of the information within this report.

## REFERENCES

Canadian Council of Ministries of the Environment. *Polycyclic Aromatic Hydrocarbons. Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health*. 2010.

Canadian Council of Ministries of the Environment. *Soil Quality Guidelines for the Protection of Environmental and Human Health, Industrial*, 2008.

Environment Canada. *The Ecological Framework of Canada: Northern Arctic Ecozone*. Accessed April 22, 2017. [www.ecozones.ca](http://www.ecozones.ca).

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## TABLES

Agnico Eagle  
**Table 1. Soil Quality Results - Petroleum Hydroc**  
**Response & Remediation Report**  
**Meadowbank**  
**June 2017 V1**



SWAT Sample Name	Sample Depth (mbgl)	Sample Date (dd-mm-yy)	BTEX and PHC (F1-F4)							
			Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Fraction 1 (mg/kg)	Fraction 2 (mg/kg)	Fraction 3 (mg/kg)	Fraction 4 (mg/kg)
<b>CCME Soil Quality Guidelines Surface<sup>1</sup></b>			<b>0.03</b>	<b>0.37</b>	<b>0.082</b>	<b>NC</b>	<b>NC</b>	<b>NC</b>	<b>NC</b>	<b>NC</b>
<b>CCME Soil Quality Guidelines Subsurface<sup>1</sup></b>			<b>0.03</b>	<b>0.37</b>	<b>0.082</b>	<b>NC</b>	<b>NC</b>	<b>NC</b>	<b>NC</b>	<b>NC</b>
<b>BACKGROUND CONTROL</b>										
17C01	0.15 m	22-Apr-17	<0.03	<0.06	<0.06	<0.06	<10	<10	140	110
<b>NORTH WALL</b>										
17N01	0.60 m	22-Apr-17	<0.03	<0.06	<0.06	<0.06	<10	<10	<50	54
17N01	1.50 m	22-Apr-17	<0.03	<0.06	<0.06	<0.06	<10	<10	<50	<50
<b>EAST WALL</b>										
17E01	0.50 m	22-Apr-17	<0.03	<0.06	<0.06	<0.06	<10	<10	<50	<50
17E01	1.50 m	22-Apr-17	<0.06	<0.06	<0.06	<0.06	<10	<10	<50	<50
<b>SOUTH WALL</b>										
17S01	0.50 m	22-Apr-17	<0.03	<0.06	<0.06	<0.06	<10	<10	<50	<50
17S01	1.50 m	22-Apr-17	<0.03	<0.06	<0.06	<0.06	<10	<10	<50	<50
<b>WEST WALL</b>										
17W01	0.50 m	22-Apr-17	<0.03	<0.06	<0.06	<0.06	<10	<10	<50	<50
17W01	1.50 m	22-Apr-17	<0.03	<0.06	<0.06	<0.06	<10	<10	<50	<50
<b>BASE</b>										
17B01	0.30 m	22-Apr-17	<0.03	<0.06	<0.06	<0.06	<10	<10	<50	<50
17B02	2.10 m	22-Apr-17	<0.03	<0.06	<0.06	<0.06	<10	<10	<50	<50

Notes:

Land Use: **Industrial** Grain Size: **Coarse**

<sup>1</sup> - CCME Soil Quality Guidelines for Protection of Environmental and Human Health (2008)

Agnico Eagle  
 Table 2. Soil Quality Results - Petroleum Hydrocarbons  
 Response & Remediation Report  
 Meadowbank  
 June 2017 V1



SWAT Sample Name	Sample Depth (mbgl)	Sample Date (dd-mm-yy)	Naphthalene	Acenaphthene	Fluorene	Phenanthrene	Anthracene	Fluoranthene	Pyrene	Benzo(a)anthracene	Chrysene	Benzo(b+j+k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-c,d)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
<b>CCME Soil Quality Guidelines<sup>1</sup></b>			0.013	NC	NC	0.046	32	180	100	10	NC	NC	72	10	10	NC
<b>BACKGROUND CONTROL</b>																
17C01	0.15 m	22-Apr-17	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
<b>NORTH WALL</b>																
17N01	0.60 m	22-Apr-17	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
17N01	1.50 m	22-Apr-17	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
<b>EAST WALL</b>																
17E01	0.50 m	22-Apr-17	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
17E01	1.50 m	22-Apr-17	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
<b>SOUTH WALL</b>																
17S01	0.50 m	22-Apr-17	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
17S01	1.50 m	22-Apr-17	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
<b>WEST WALL</b>																
17W01	0.50 m	22-Apr-17	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
17W01	1.50 m	22-Apr-17	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
<b>BASE</b>																
17B01	0.30 m	22-Apr-17	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
17B02	2.10 m	22-Apr-17	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03

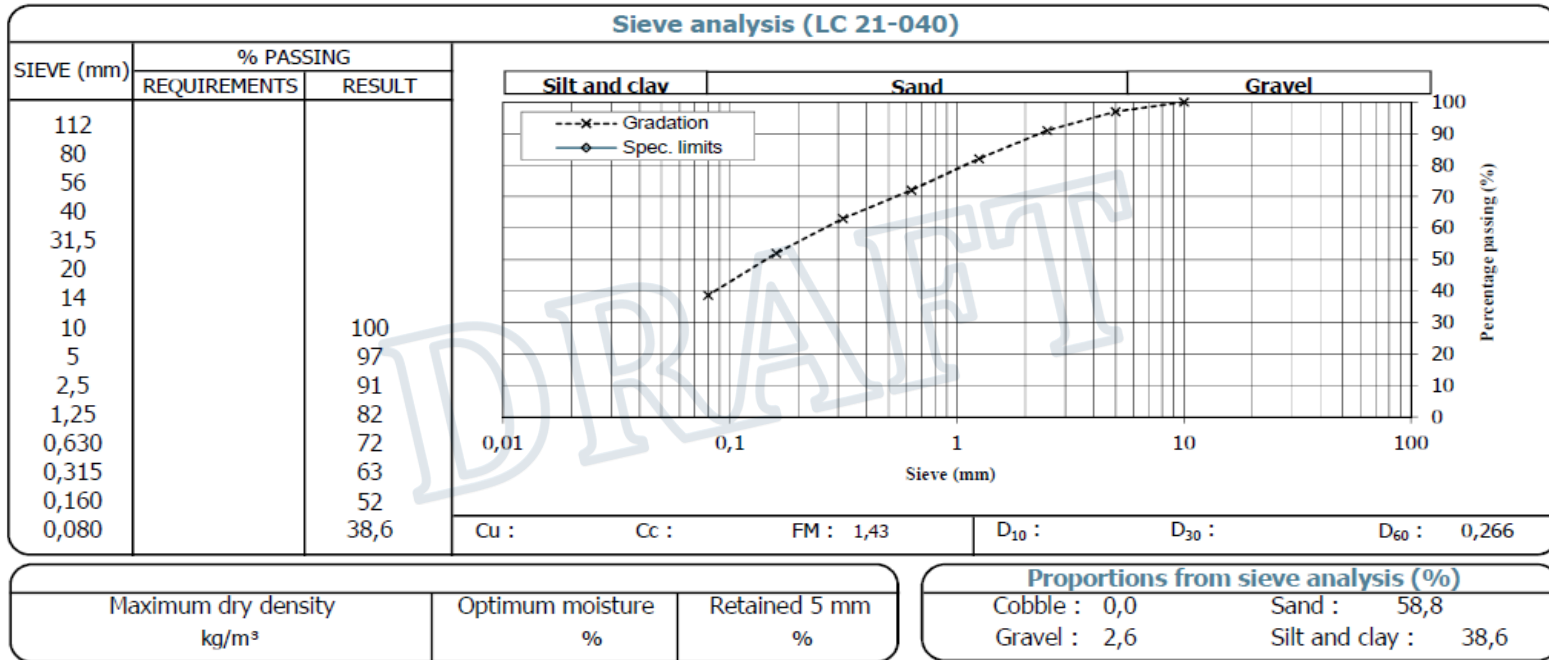
Notes:

Land Use: **Industrial** Grain Size: **Coarse**

<sup>1</sup> - CCME Soil Quality Guidelines for Protection of Environmental and Human Health (2008) (analysis provided by maxxam analytics)

**Bold** - detection limits were above guidelines due to moisture content

NC - not calculated



## FIGURES

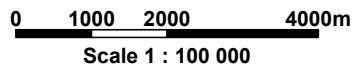


MAP SOURCE: 66A/16 (TOPORAMA)



KEY MAP (NTS)

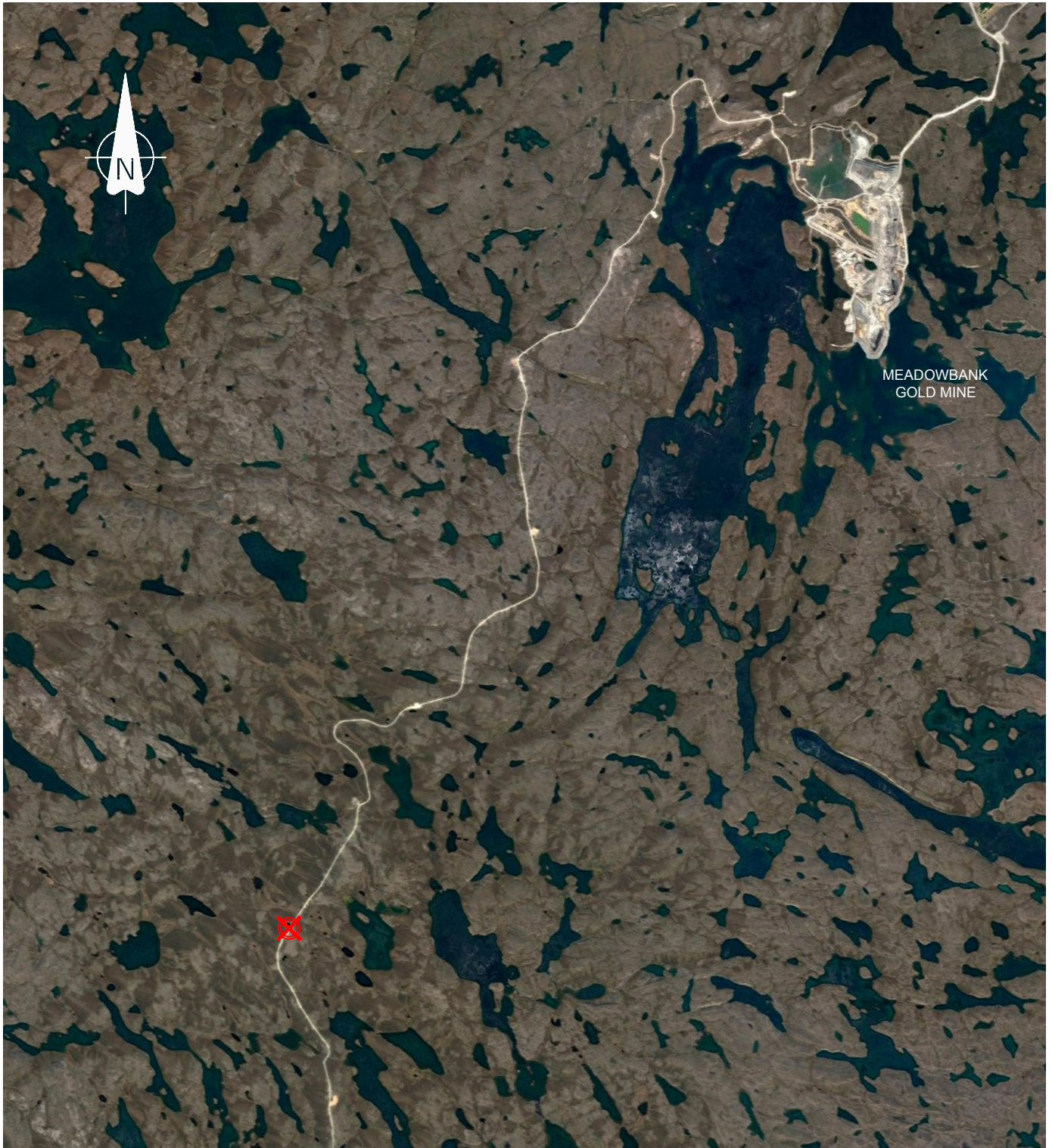
SOURCE: ONEWORLDMAP.COM



SITE LOCATION MAP



AGNICO EAGLE MINES LIMITED MEADOWBANK KM77 SPILL	DRAWN LH	APPROVED DRAFT	DWN. DATE 2-May-17	FIGURE: 4
	FILE: AGNICO_17SLM-A.dwg			



MEADOWBANK  
GOLD MINE

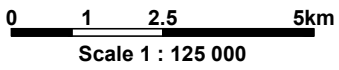
SATELLITE AERIAL PHOTO SOURCE: GOOGLE EARTH  
MAP PROJECTION: UTM NAD83 14W

**LEGEND**

 RELEASE POINT

**NOTES:**

LOCATIONS ARE APPROXIMATE.

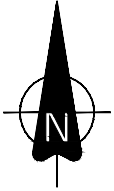


**AERIAL OVERVIEW**

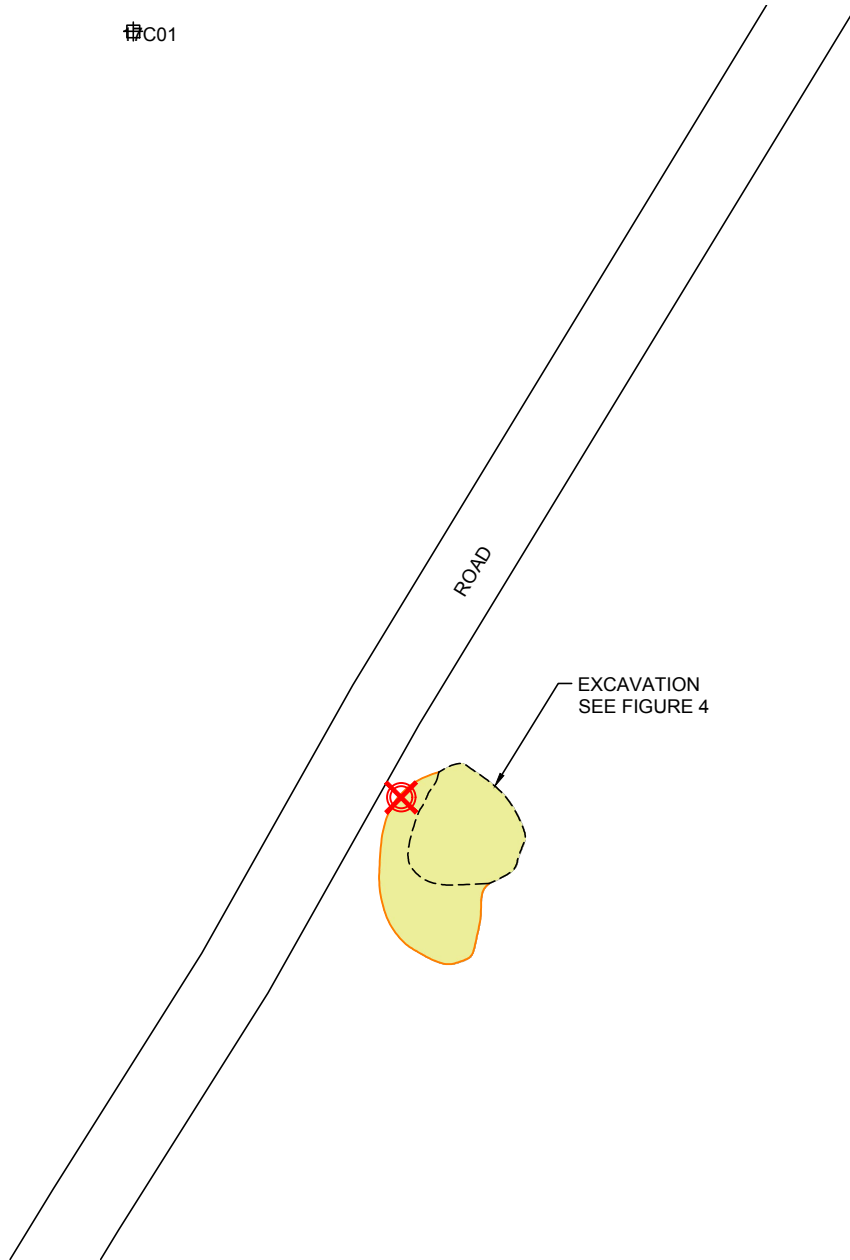


AGNICO EAGLE MINES LIMITED  
MEADOWBANK KM77 SPILL



DRAWN LH	APPROVED DRAFT	DWN. DATE 2-May-17	FIGURE: 2
FILE: AGNICO_175P-A.dwg			



#C01

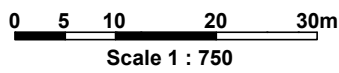


LEGEND

-  RELEASE POINT
-  CONTROL SOIL SAMPLE

NOTES:

LOCATIONS ARE APPROXIMATE.

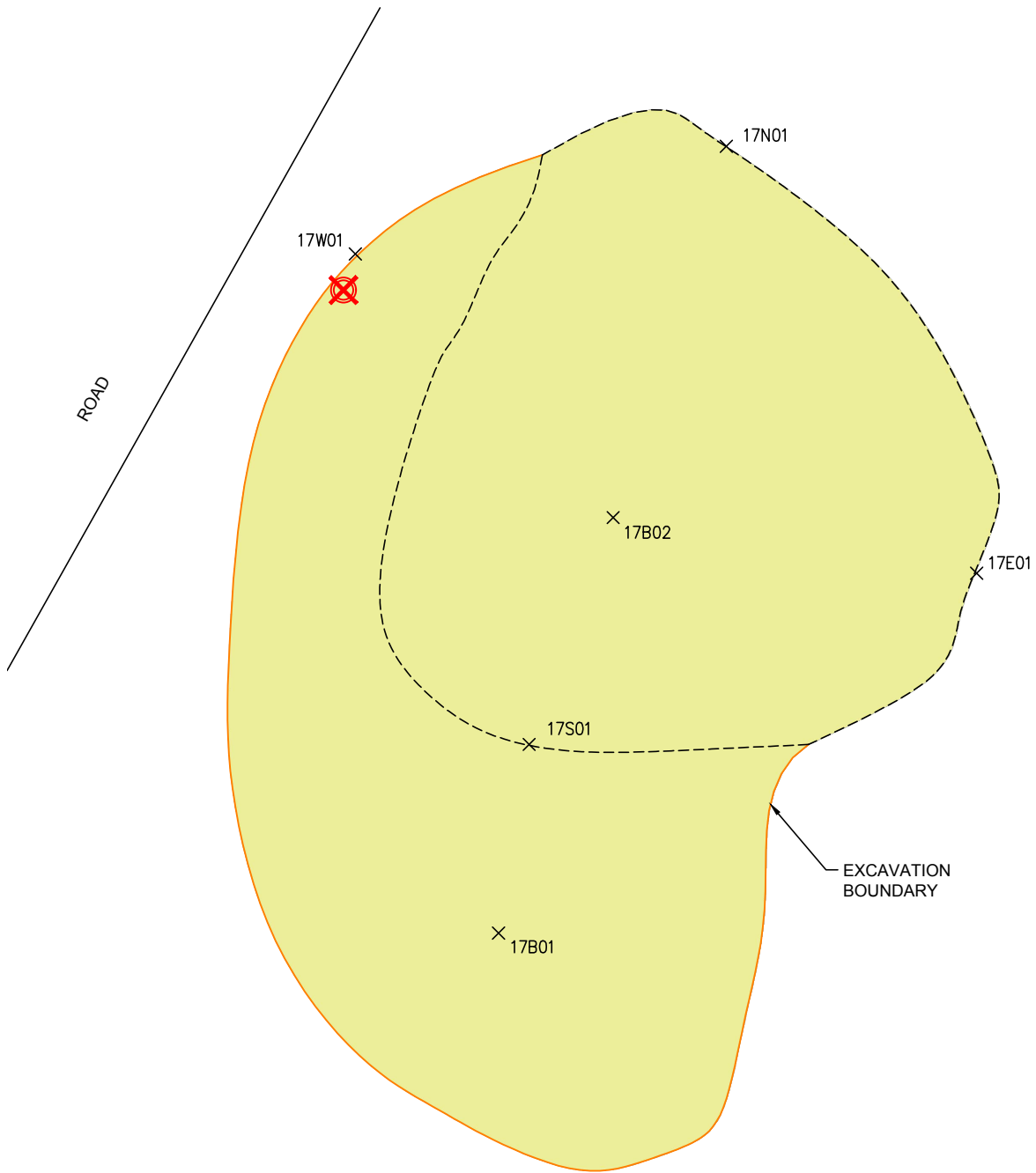
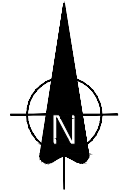


INITIAL SOIL ASSESSMENT





AGNICO EAGLE MINES LIMITED MEADOWBANK KM77 SPILL	DRAWN LH	APPROVED DRAFT	DWN. DATE 4-May-17	FIGURE: 3
	FILE: AGNICO_17SP-B.dwg			



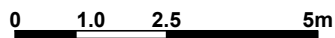


**LEGEND**

-  RELEASE POINT
-  CONFIRMATORY SOIL SAMPLE

**NOTES:**

LOCATIONS ARE APPROXIMATE.



Scale 1 : 125

**EXCAVATION DIAGRAM**



AGNICO EAGLE MINES LIMITED MEADOWBANK KM77 SPILL				DRAWN LH	APPROVED DRAFT	DWN. DATE 4-May-17	FIGURE: 4
				FILE: AGNICO_17SP-B.dwg			

**APPENDIX A**  
**SITE PHOTOGRAPHS**



April 20: Excavation activities.



April 20: Loading trucks.



April 21: Using the hammer to remove material.



April 21: Removing snow from excavation for confirmatory sampling.



April 22: Stockpile removed from location.



April 22: Final excavation boundary.



# 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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR 04-08-2017	REPORT TIME 22:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE #		REPORT NUMBER -
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR 04-08-2017	OCCURRENCE TIME 15:30			
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14	WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA-1525			
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION MEADOWBANK MINE SITE		REGION <input type="checkbox"/> NT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION		
<b>E</b>	LATITUDE DEGREES 65 MINUTES 02 SECONDS 14		LONGITUDE DEGREES 96 MINUTES 03 SECONDS 58		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0X 0A0			
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
<b>H</b>	PRODUCT SPILLED HYDRAULIC OIL	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 125 LITERS	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
<b>I</b>	SPILL SOURCE BACKHOE	SPILL CAUSE BROKEN HOSE	AREA OF CONTAMINATION IN SQUARE METRES 70 M2		
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
<b>K</b>	<b>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</b> During operations at Vault pit, the operator of backhoe 13 noticed that the equipment was leaking oil. The contaminated material will be collected and disposed at the landfarm. There were no off site impact or discharge to any receiving watercourses. Distance to closest lake is estimated at 1050 meters.  Spill location : Northing: 65'04'28" Easting: 96'00'08" on IOL.  Contact information : Robin Allard 819-759-3555 ext. 6744				
<b>L</b>	REPORTED TO SPILL LINE BY ROBIN ALLARD	POSITION SR COORDINATOR	EMPLOYER Agnico Eagle Mines	LOCATION CALLING FROM MEADOWBANK	TELEPHONE 8197593555
<b>M</b>	ANY ALTERNATE CONTACT ERIKA VOYER	POSITION GEN SUPERVISOR	EMPLOYER Agnico Eagle Mines	ALTERNATE CONTACT LOCATION MEADOWBANK	ALTERNATE TELEPHONE 8677934610
REPORT LINE USE ONLY					
<b>N</b>	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/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/>		SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED	
ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> OTHER: _____		<input type="checkbox"/> UNKNOWN			
AGENCY	CONTACT NAME	CONTACT TIME	REMARKS		
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					



**AGNICO EAGLE**

## April 8<sup>th</sup>, 2017 Vault BAC13 spill

Please find the following information as a follow up to the Spill report submitted April 8<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

During operations at Vault pit, the backhoe operator noticed that hydraulic oil was leaking for the equipment causing oil to spill on the ground.

Spill location: Easting 65'04'28" 96'00'08"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 1050 meters.



## Cause of Spill

The spill was caused by a failure of a bolt on the swivel manifold, causing an O-ring to fail on the travel valve to the swivel hydraulic hose

## Remediation Actions

Once the equipment was repaired in field and could safely be removed, the area was cleaned. The contaminated material removed was brought to the landfarm area



## Corrective measures

The hydraulic system including hoses and fittings are inspected as part of the preventive maintenance program done on site. Routine visual inspection of the hydraulic system is also performed during pre-operations checks.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on April 8<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Robin Allard**  
**Environmental Senior Coordinator**

[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)

T: 819.759.3555 x6744

Agnico Eagle Mines Limited  
Meadowbank Division

**AGNICO EAGLE** 





Canada

# NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

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EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>04-21-2017</b>	REPORT TIME <b>10:47</b>	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
	OCCURRENCE DATE: MONTH – DAY – YEAR <b>04-21-2017</b>	OCCURRENCE TIME <b>3:00 AM</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>MEADOWBANK MINE SITE</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>02</b> SECONDS <b>14</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>03</b> SECONDS <b>58</b>		
	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE MINES LTD</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0C 0A0</b>		
<b>H</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
	PRODUCT SPILLED <b>HYDRAULIC OIL</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>200 L</b>	U.N. NUMBER <b>N/A</b>	
<b>I</b>	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
	SPILL SOURCE <b>DRILL</b>	SPILL CAUSE <b>HYDRAULIC HOSE RUPTURED</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>8 m2</b>	
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS			
	<p><b>During operations at Vault pit, the operator of Drill #2 noticed a leak on the hydraulic hose. The contaminated soil has been cleaned up using an IT14 loader</b></p> <p><b>There were no off site impact or discharge to any receiving watercourses.</b></p> <p><b>Spill location: Northing 65'04'28.6" Westing 95'59'51.2"</b></p> <p><b>Contact information: Jamie Kataluk 8197593555 extension 6759</b></p>			

<b>L</b>	REPORTED TO SPILL LINE BY <b>JAMIE KATALUK</b>	POSITION <b>Environmental Tech</b>	EMPLOYER <b>Agnico Eagle Mines</b>	LOCATION CALLING FROM <b>MEADOWBANK</b>	TELEPHONE <b>8677934610</b>
	ANY ALTERNATE CONTACT <b>ROBIN ALLARD</b>	POSITION <b>SR COORDINATOR</b>	EMPLOYER <b>Agnico Eagle Mines</b>	ALTERNATE CONTACT LOCATION <b>MEADOWBANK</b>	ALTERNATE TELEPHONE <b>8197593555</b>

REPORT LINE USE ONLY

<b>N</b>	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					

## **April 21, 2017 Vault Pit RBD02 spill**

Please find the following information as a follow up to the Spill report submitted March 14th 2017 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-MEA1525, Part H, Item 8c.

### Spill description

During operations at the Vault pit, driller noticed a leak on one of the hoses and appeared to be ruptured.

Spill location: Northing 65'04'28.6" Easting 95'59'51.2"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 1.1 kilometers east of the pit.



### Cause of spill

A hydraulic hose ruptured caused due to regular wear and tear and constant movement of the equipment as it moves from

## Remediation actions

The drill was removed from the area to commence cleanup of the contaminated area using an IT14 loader which is used to fill drill holes. Mechanic was called to the drill to do the repairs and inspect other hoses. The contaminated soil removed was placed in a yellow roll off bin which was disposed of at the Landfarm



## Corrective Measures

Hydraulic hoses were changed where the leak was, all other hoses and connections were inspected and no other leaks were observed once inspection was completed.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on April 21st, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Jamie Kataluk**  
**Sr. Environmental Technician**

[jamie.kataluk@agnicoeagle.com](mailto:jamie.kataluk@agnicoeagle.com)

T: 819.759.3555 x6759

Agnico Eagle Mines Limited  
Meadowbank Division  
Baker Lake, Nunavut, Canada  
XOC OAO

[agnicoeagle.com](http://agnicoeagle.com)



**AGNICO EAGLE**



# NT-NU SPILL REPORT

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TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

<b>A</b>	<b>REPORT DATE: MONTH – DAY – YEAR</b> 04-26-2017	<b>REPORT TIME</b> 15:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE #		<b>REPORT NUMBER</b> -
<b>B</b>	<b>OCCURRENCE DATE: MONTH – DAY – YEAR</b> 04-26-2017	<b>OCCURRENCE TIME</b> 5:00			
<b>C</b>	<b>LAND USE PERMIT NUMBER (IF APPLICABLE)</b> KIOL-BL-14	<b>WATER LICENCE NUMBER (IF APPLICABLE)</b> NWB-2AM-MEA-1525			
<b>D</b>	<b>GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION</b> MEADOWBANK MINE SITE		<b>REGION</b> <input type="checkbox"/> NT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION		
<b>E</b>	<b>LATITUDE DEGREES 65 MINUTES 02 SECONDS 14</b>		<b>LONGITUDE DEGREES 96 MINUTES 03 SECONDS 58</b>		
<b>F</b>	<b>RESPONSIBLE PARTY OR VESSEL NAME</b> AGNICO EAGLE MINES LTD	<b>RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION</b> BAKER LAKE X0X 0A0			
<b>G</b>	<b>ANY CONTRACTOR INVOLVED</b>	<b>CONTRACTOR ADDRESS OR OFFICE LOCATION</b>			
<b>H</b>	<b>PRODUCT SPILLED</b> HYDRAULIC OIL	<b>QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES</b> 400 liters	<b>U.N. NUMBER</b> N/A		
	<b>SECOND PRODUCT SPILLED (IF APPLICABLE)</b>	<b>QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES</b>	<b>U.N. NUMBER</b>		
<b>I</b>	<b>SPILL SOURCE</b> HTR06	<b>SPILL CAUSE</b> BROKEN HOSE	<b>AREA OF CONTAMINATION IN SQUARE METRES</b> 200 M3		
<b>J</b>	<b>FACTORS AFFECTING SPILL OR RECOVERY</b>	<b>DESCRIBE ANY ASSISTANCE REQUIRED</b>	<b>HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT</b>		
<b>K</b>	<b>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</b> During operation at the Portage pit waste dump, a hose failure on haul truck 06 occurred. After dumping his load, the operator went down the ramp not noticing the spraiding of the oil. Once he realized it, he stopped the engine and called his supervisor. A grader was used to gather the contiminated soil and a loader collected the material and disposed it at the landfarm.  There were no off site impact or discharge to any receiving watercourses. Distance to closest lake is estimated at 700 meters. Spill location on IOL : Northing: 65'02'14" Easting: 96'03'09" Contact information : Martin Theriault 819-759-3555 ext. 6759				
<b>L</b>	<b>REPORTED TO SPILL LINE BY</b> MARTIN THERIAULT	<b>POSITION</b> SR TECHNICIAN	<b>EMPLOYER</b> Agnico Eagle Mines	<b>LOCATION CALLING FROM</b> MEADOWBANK	<b>TELEPHONE</b> 8197593555
<b>M</b>	<b>ANY ALTERNATE CONTACT</b> ROBIN ALLARD	<b>POSITION</b> SR COORDINATOR	<b>EMPLOYER</b> Agnico Eagle Mines	<b>ALTERNATE CONTACT LOCATION</b> MEADOWBANK	<b>ALTERNATE TELEPHONE</b> 8197593555
REPORT LINE USE ONLY					
<b>N</b>	<b>RECEIVED AT SPILL LINE BY</b>	<b>POSITION</b> Station operator	<b>EMPLOYER</b>	<b>LOCATION CALLED</b> Yellowknife, NT	<b>REPORT LINE NUMBER</b> (867) 920-8130
<b>LEAD AGENCY</b> <input type="checkbox"/> EC <input type="checkbox"/> CCG/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> <input type="checkbox"/> ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> OTHER: _____		<b>SIGNIFICANCE</b> <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		<b>FILE STATUS</b> <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED	
<b>AGENCY</b>	<b>CONTACT NAME</b>	<b>CONTACT TIME</b>	<b>REMARKS</b>		
<b>LEAD AGENCY</b>					
<b>FIRST SUPPORT AGENCY</b>					
<b>SECOND SUPPORT AGENCY</b>					
<b>THIRD SUPPORT AGENCY</b>					



**AGNICO EAGLE**

## April 26<sup>th</sup>, 2017 Portage waste dump HTR 06 spill

Please find the following information as a follow up to the Spill report submitted April 26<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

During operations at Portage pit waste dump, a hose failure on haul truck 06 occurred creating a spill

Spill location: Easting 65'02'14" 96'03'09"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 700 meters.



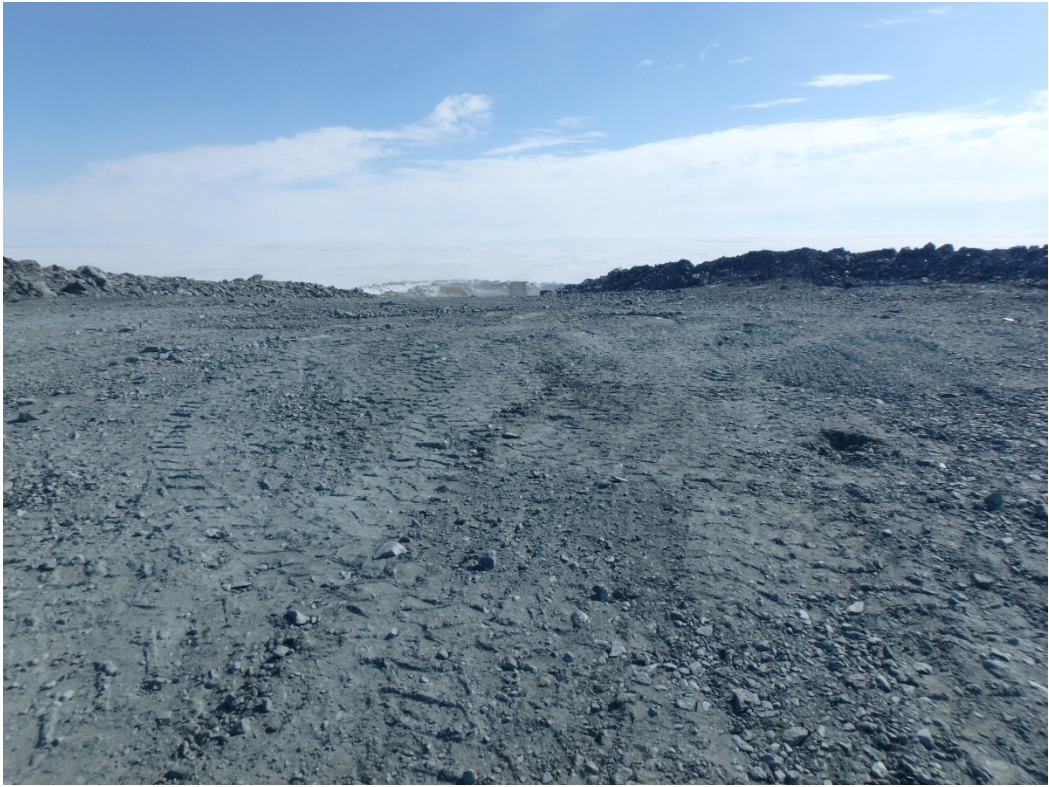


### Cause of Spill

The spill was caused by a hose failure on the hauling unit.

### Remediation Actions

When the operator realized oil was spilling, he stopped the engine and called his supervisor. A grader was used to gather the contaminated soil and a loader collected the material and disposed it at the landfarm





## Corrective measures

As part of the preventive maintenance program done on site, the hydraulic system including hoses and fittings are inspected. Pre-operations checks including routine visual inspection of the hydraulic system is also performed.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on April 26<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Martin Theriault**  
**Environmental Technician**

[martin.theriault@agnicoeagle.com](mailto:martin.theriault@agnicoeagle.com)

T: 819.759.3555 x6759

Agnico Eagle Mines Limited  
Meadow bank Division  
Baker Lake, Nunavut, Canada  
X0C 0A0

[agnicoeagle.com](http://agnicoeagle.com)



**AGNICO EAGLE**





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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>05-11-2017</b>	REPORT TIME <b>8:00pm (CT)</b>	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	<b>REPORT NUMBER</b>  _____
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR <b>05-11-2017 (sample result received)</b>	OCCURRENCE TIME <b>4:05pm (CT)</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>MEADOWBANK MINE SITE</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>01</b> SECONDS <b>44</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>02</b> SECONDS <b>55</b>		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE MINES LTD</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0C 0A0</b>		
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
<b>H</b>	PRODUCT SPILLED <b>Total Suspended Solids (TSS)</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>33.66 kg *</b>	U.N. NUMBER <b>N/A</b>	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
<b>I</b>	SPILL SOURCE <b>East Dike Seepage (ST-8/MMER3)</b>	SPILL CAUSE <b>Effluent Discharge</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>N/A</b>	
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS <b>The effluent of the East Dike Seepage (ST-8, MMER-3) was sampled on May 9th, 2017 at 8am CT as required by the Water License 2AM-MEA1525. Laboratory result of the May 9th sample were received on May 11th at 4:05pm. Result for total suspended solid (TSS) of 34 mg/L exceeds the regulatory limit of 30 mg/L Maximum Allowable Grab Sample Concentration (mg/L) (Water License 2AM-MEA1525). The Maximum Average Concentration is below the regulatory limit of 15mg/L (Water License 2AM-MEA1525). Discharge of the East Dike Seepage (ST-8/MMER-3) to Second Portage Lake has been stopped on May 11th, 6:40pm and has been directed to the Portage Pit. Based on a total flow of 990 m3 between May 9th 8am and May 11th 6:40pm, the quantity of TSS is estimated at 33.66kg*. Spill location : ST-8/MMER-3 14W 0639336 7213920</b>  <b>Reported by: Erika Voyer, Gen. Supervisor. 819-759-3555 ext.6980</b>			
----------	--	--	--	--

<b>L</b>	REPORTED TO SPILL LINE BY <b>Erika Voyer</b>	POSITION <b>Gen. Supervisor</b>	EMPLOYER <b>Agnico Eagle Mines</b>	LOCATION CALLING FROM <b>MEADOWBANK</b>	TELEPHONE <b>8197593555</b>
<b>M</b>	ANY ALTERNATE CONTACT <b>Jamie Quesnel</b>	POSITION <b>Superintendent</b>	EMPLOYER <b>Agnico Eagle Mines</b>	ALTERNATE CONTACT LOCATION <b>MEADOWBANK</b>	ALTERNATE TELEPHONE <b>8198560821</b>

REPORT LINE USE ONLY

<b>N</b>	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

June 9, 2017

**Re: Agnico Eagle Meadowbank Mine – East Dike Pond Discharge Total Suspended Solids Exceedance on May 9, 2017 - Follow up report**

As required by Water License 2AM-MEA1525 Part H, Item 8b and Section 24(1)(a) of the Metal Mining Effluent Regulations, Agnico Eagle Mine Ltd. Meadowbank Division informed you via email on May 11 and 12, 2017, respectively, that the level of Total Suspended Solids (TSS) from the East Dike Discharge exceeded the limits, set out in Water License Part F Item 6 and MMER Schedule 4, of 30 mg/L for the maximum authorized concentration in a grab sample and of 15 mg/L for the maximum authorized monthly mean concentration.

As required by Water License 2AM-MEA1525 Part H, Item 8c and MMER Section 24 (2), please consider this letter as the written report describing the test results to be submitted 30 days after the tests have been completed.

Water discharge to Second Portage Lake for the regulatory East Dike Discharge has occurred since August 2015 without interruption and without any exceedance to one of the MMER regulated parameters set out in Water License Part F Item 6 and MMER Schedule 4. As required by Water License and MMER, weekly samples were taken and reported monthly via the NWB Monthly report and on a quarterly basis via the ECCC RISS system.

The East Dike Discharge effluent was sampled on May 9, 2017 at 8am CT. Laboratory result (laboratory certificate attach with this letter) of the May 9 sample was received on May 11 at 4:05pm. Result for total suspended solid (TSS) of 34 mg/L exceeds the regulatory limit of 30 mg/L maximum authorized concentration in a grab sample. East Dike Discharge to Second Portage Lake has been stopped on May 11, 6:40pm and has been directed to the Portage Pit. Based on a total flow of 990 m<sup>3</sup> between May 9 8am and May 11 6:40pm, the quantity of TSS release is estimated at 33.66 kg. The 2:30 hours delay between receipt of the results and stop of the discharge is only due the operational constraint, i.e. adjustment of piping and valve to permit the discharge of the water back to Portage Pit. All mitigation measures have been done in a timely manner.

Results of April and first week of May are all below the authorized limits: April 3 (TSS – 8 mg/L), April 12 (TSS – 11 mg/L), April 17 (TSS – 11 mg/L), April 24 (TSS – 4 mg/L) and May 1 (TSS – 1 mg/L), with an average of 7 mg/L over this period of discharge. During this period, regulatory results were below the regulatory limit of 30 mg/L maximum authorized concentration and the maximum authorized monthly mean concentration of 15 mg/L. An average of 17.5 mg/L was recorded for May only (considering the result of 34 mg/L on May 9, 2017). Furthermore to regulatory sampling and as part of our internal monitoring to ensure the protection of the receiving environment, Agnico analysed on a weekly basis a TSS sample for our onsite laboratory, which is not accredited but provides real time data for guidance. Samples have been taken on April 7, 14, 21, 28, 30 and May 1 and 5. Results of these sampling were respectively 16.9 mg/L, 1.2 mg/L,



## AGNICO EAGLE

4 mg/L, 20.2 mg/L, 2.7 mg/L, 4 mg/L and 10.8 mg/L. The average for this period of discharge is 8.5 mg/L, and of 7.4 mg/L for May only. During this period, internal results were below the regulatory limit of 30 mg/L maximum authorized concentration and the maximum monthly mean concentration of 15mg/L. All results before May 9, either from our onsite or accredited laboratory, do not permit to foresee the exceedance on May 9. Agnico Eagle associated this exceedance with the beginning of the freshet.

As of today, there is still no discharge from the East Dike Seepage to Second Portage Lake. Agnico Eagle has put in place a daily TSS monitoring program to follow the water quality. Once the results are satisfying for Agnico Eagle and compliant with the MMER and NWB Water License 2AM-MEA1525 regulation for a period judged acceptable for confirmation that the TSS level meets discharge criteria, the water discharge will resume in Second Portage Lake.

Given the short duration of discharge between the exceedance on May 9 and the stop of the discharge in the receiving environment on May 11, Agnico is confident that the aquatic environment was protected and not impacted. Core receiving environment monitoring in Second Portage Lake has been collected and will confirm these findings.

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

Regards,

### **Agnico Eagle Mines Limited – Meadowbank Division**

Marie-Pier Marcil  
[marie-pier.marcil@agnicoeagle.com](mailto:marie-pier.marcil@agnicoeagle.com)  
819-759-3700 x5193  
Senior Compliance Technician

Erika Voyer  
[Erika.voyer@agnicoeagle.com](mailto:Erika.voyer@agnicoeagle.com)  
819-759-3555 x6980  
General Supervisor Environment

*CC: Jamie Quesnel – Agnico Eagle*



900, 5th Avenue  
 Val-d'Or (Quebec) J9P 1B9  
 Phone : 819 874-0350  
 Toll Free: 1 877 326-8690  
 www.h2lab.ca

Certificate # : VD000800

Client #: 990

Client Reference : ST-8/ST-MMER-3

## CERTIFICATE OF ANALYSIS

**Agnico Eagle Division Meadowbank**

General Delivery  
 Baker Lake  
 Nunavut X0C 0A0  
 Project : 65°01'11.2"N 96°02'32"W

**Sample # : B101233 (ST-8/ST-MMER-3)**

Matrix : Water  
 Received on : 2017-05-09 11:31  
 Sampled on : 2017-05-09 8:00  
 Sampling site : ST-8/ST-MMER-3  
 Sampler : TT/FL

Parameter (laboratory method)	Method of reference	Result	Detection Limit	Unit	Norm/ Recom.	Date of analysis
Total suspended solids (M-SOLI-1.0) a 2		34	1	mg/L		2017-05-11

**Blank**

Parameter	Result
Total suspended solids	< 1

**Reference material**

Material	Reference	Parameter	Result	Expected value
STD-MES 250mg/L		Total suspended solids	269	250
STD-MES 25mg/L		Total suspended solids	29	25

**Legend :**

a : Parameter(s) accredited      2 : analysis made by H2Lab Laboratory at Val d'Or

The sample's appreciation and conformity towards established norms, if applicable, is based and limited to analyzed parameters. This report can't be reproduced, unless in whole, without prior written authorization from the laboratory. The results are related only to samples submitted for testing.



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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>05-14-2017</b>	REPORT TIME <b>7:15pm (CT)</b>	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	<b>REPORT NUMBER</b>  _____
	OCCURRENCE DATE: MONTH – DAY – YEAR <b>05-14-2017</b>	OCCURRENCE TIME <b>3:00pm (CT)</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>MEADOWBANK MINE SITE</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>01</b> SECONDS <b>44</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>02</b> SECONDS <b>55</b>		
	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE MINES LTD</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0C 0A0</b>		
<b>H</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
	PRODUCT SPILLED <b>Hydraulic oil</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>80 L</b>	U.N. NUMBER <b>N/A</b>	
<b>I</b>	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
	SPILL SOURCE <b>Excavator BAC 8</b>	SPILL CAUSE <b>Broken Hydraulic Hose</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>200 m2</b>	
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS			
	<p><b>The excavator BAC 8 was cleaning the snow within the East diversion ditch in preparation for freshet, close to NP2 Lake. During the work, an hydraulic hose on BAC 8 broke and hydraulic oil was spilled on the ground of the access road beside the ditch. 80L of oil was spilled, affecting an area of approximately 10m by 20m. Spill pads were placed on the ground as well as containment to collect the oil from the hose. Contaminated snow and material have started to be excavated and will be placed within the landfarm. Environment staff inspected the area and no oil was spilled on the lake ice. Detailed inspection will be completed after clean-up excavation. Containment boom will be placed on the ice of NP2 Lake shore as a preventive measure.</b></p> <p><b>Spill location : N65 02'35.2 W096 03'08.9</b></p> <p><b>Reported by: Erika Voyer, Gen. Supervisor. 819-759-3555 ext.6980</b></p>			

<b>L</b>	REPORTED TO SPILL LINE BY <b>Erika Voyer</b>	POSITION <b>Gen. Supervisor</b>	EMPLOYER <b>Agnico Eagle Mines</b>	LOCATION CALLING FROM <b>MEADOWBANK</b>	TELEPHONE <b>8197593555</b>
	ANY ALTERNATE CONTACT <b>Jamie Quesnel</b>	POSITION <b>Superintendent</b>	EMPLOYER <b>Agnico Eagle Mines</b>	ALTERNATE CONTACT LOCATION <b>MEADOWBANK</b>	ALTERNATE TELEPHONE <b>8198560821</b>

REPORT LINE USE ONLY

<b>N</b>	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					



# AGNICO EAGLE

June 14<sup>th</sup>, 2017

**Re: Agnico Eagle Meadowbank Mine – Diversion Ditch spill May 14<sup>h</sup>, 2017**  
**Follow up report**

As required by Water License 2AM-MEA1525 Part H, Item 8b and the Government of Nunavut's, Environmental Protection Act, paragraph 5.1(a), and as required by subsection 38(4) of the Fisheries Act, Agnico Eagle Mine Ltd. Meadowbank Division informed you via email on May 14<sup>th</sup>, 2017, of an hydraulic oil spill on an access road around the diversion ditch area, up shore of NP2 Lake.

As required by Water License 2AM-MEA1525 Part H, Item 8c, please consider this letter as the written report describing actions taken in relation to the incident.

As part of the Freshet Action Plan, work was being completed at the East part of the diversion ditch. Work included clearing snow within the ditch to prevent blockage and over flooding during freshet. For this purpose, a backhoe was used. During operation, a hose on the equipment failed, causing hydraulic oil to spill on the ground. The spill location was : Easting 65'00'42" 96'03'04". There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake, NP2, is estimated at 50 meters.





## AGNICO EAGLE

The equipment was repaired on location and the area was scrapped clean. Contaminated snow and material was removed and was disposed at the Landfarm area. Further assessments were done in the spill area and downward towards NP2 Lake shore for any signs of impacts within the waterbody. No evidence was found in the receiving lake. As precautionary measure, maritime barriers and recovery booms were installed on ice. The containment was inspected daily afterward for any signs of contaminants.



Upon ice melt, barriers were readjusted and sorbent boom replaced.







## AGNICO EAGLE

Agnico Eagle has put in place daily monitoring, as part of the Freshet Action Plan, in the diversion ditch area and NP2 Lake. The barrier and boom will be left on location as precautionary measures during freshet season.

Given the limited areas affected by the spill and general conditions at the time that prevented the contaminant from spreading or entering a waterbody, Agnico Eagle is confident that the aquatic environment was protected and mitigations measures put in place to prevent, if any, potential impact to the environment.

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

Regards,

### **Agnico Eagle Mines Limited – Meadowbank Division**

Robin Allard  
[Robin.allard@agnicoeagle.com](mailto:Robin.allard@agnicoeagle.com)  
819-759-3555 x6744  
Senior Environmental Coordinator

Erika Voyer  
[Erika.voyer@agnicoeagle.com](mailto:Erika.voyer@agnicoeagle.com)  
819-759-3555 x6980  
General Supervisor Environment

*CC: Jamie Quesnel – Agnico Eagle*



# 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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR 06-06-2017	REPORT TIME 11:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE #		REPORT NUMBER -
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR 06-06-2017	OCCURRENCE TIME 07:30			
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14	WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA-1525			
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION MEADOWBANK MINE SITE		REGION <input type="checkbox"/> NT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION		
<b>E</b>	LATITUDE DEGREES 65 MINUTES 02 SECONDS 14		LONGITUDE DEGREES 96 MINUTES 03 SECONDS 58		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0X 0A0			
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
<b>H</b>	PRODUCT SPILLED TOTAL SUSPENDED SOLIDS (TSS)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES TBD	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
<b>I</b>	SPILL SOURCE SURFACE RUNOFF	SPILL CAUSE FRESHET/RAIN EVENT	AREA OF CONTAMINATION IN SQUARE METRES 200 M2		
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
<b>K</b>	<b>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</b> With extensive rain event at the Meadowbank site and after inspection it was noted that sediment was being brought to a receiving lake area called NP1 from the Vault hauling road area. Samples were collected and sent to an accredited laboratory. Results are pending. Maritime barriers were deployed within the impacted zone. Silt curtains and straw logs are being deployed on shore and upstream of the surface area flow and work is still ongoing. More details will be provided in due course. Spill location : Northing: 65'02'27" Easting: 96'02'21" on IOL.  Contact information : Robin Allard 819-759-3555 ext. 6744				
<b>L</b>	REPORTED TO SPILL LINE BY ROBIN ALLARD	POSITION SR COORDINATOR	EMPLOYER Agnico Eagle Mines	LOCATION CALLING FROM MEADOWBANK	TELEPHONE 8197593555
<b>M</b>	ANY ALTERNATE CONTACT ERIKA VOYER	POSITION GEN SUPERVISOR	EMPLOYER Agnico Eagle Mines	ALTERNATE CONTACT LOCATION MEADOWBANK	ALTERNATE TELEPHONE 8677934610

REPORT LINE USE ONLY

<b>N</b>	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/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> OTHER: _____		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

June 14<sup>th</sup>, 2017

**Re: Agnico Eagle Meadowbank Mine – Spill #17-198,  
NP1 Lake Total Suspended Solids on June 6<sup>th</sup>, 2017 - Follow up report**

As required by Water License 2AM-MEA1525 Part H, Item 8b, the Government of Nunavut's, Environmental Protection Act, paragraph 5.1(a), and as required by subsection 38(4) of the Fisheries Act, Agnico Eagle Mine Ltd. Meadowbank Division informed you via email on June 6<sup>th</sup>, 2017, that the level of Total Suspended Solids (TSS) entering NP1 Lake from surface runoff exceed the limits, of 30 mg/L for the maximum authorized concentration in a grab sample.

As required by Water License 2AM-MEA1525 Part H, Item 8c, please consider this letter as the written report describing the test results and actions taken in relation to the incident.

As part of the Freshet Action Plan (part of the Water Management Plan and Report), the Meadowbank mine site is subject to regular monitoring during the freshet period. In particular, NP1 Lake is inspected daily during freshet season and measures (turbidity barrier in and at the exit of NP1) are deployed to ensure surface runoff within the Vault road and overall erosion of the area are controlled and limited within the receiving areas. NP-1 (see location on Figure 1, below) is a shallow pond - ~ 3.8 m at deepest and was noted as being non-fish bearing in the EIS for the Meadowbank Project.

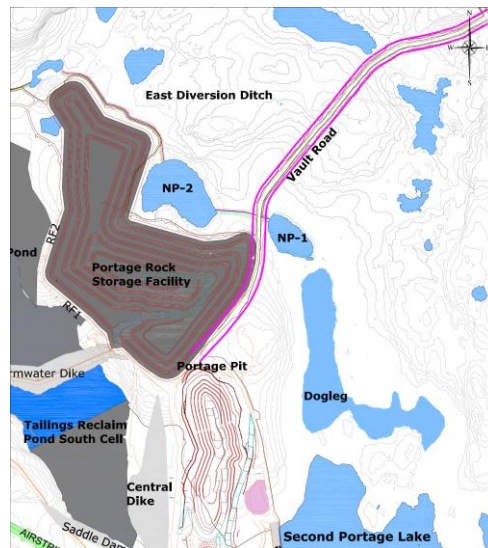


Figure 1: NP1 Location



## AGNICO EAGLE

On June 6<sup>th</sup> early morning inspection, visual evidence was noted within the banks and shore of NP1 lake of colored water flowing downstream to the lake (see Photo 1, below). Samples were collected for TSS analysis. One set of samples was brought to the internal laboratory at the Meadowbank site and a second set shipped to an external laboratory. Although not accredited, the Meadowbank lab is used for quick assessment since results are readily available and provided within a short timeframe. Being in a remote site, the sample shipped to the external lab requires shipping and logistic delays. Results are shown in table 1.

Table 1: NP1 TSS results from June 3<sup>rd</sup> to June 9<sup>th</sup>

NP1 Lake (TSS mg/L)		
Date	Internal lab	External lab
6/3/2017	6.7	
6/4/2017	3.7	
6/5/2017	7.4	
6/6/2017 morning	54.7	37
6/6/2017 afternoon	24.8	
6/7/2017	3.4	
6/8/2017	1.3	
6/9/2017	2.4	

Upon visual observation and reception of internal results, the elevated TSS measured at NP1 lake (65°02'27" 96°02'21") was reported at the GN Spill line, KIA, ECCC and DFO at 12:26 on June 6<sup>th</sup> 2017. Result from the external laboratory was received on June 9<sup>th</sup> and confirmed exceedance of TSS in the receiving water body.



Photo 1: NP1 Lake Visual observation of the TSS exceedance, taken on June 6<sup>th</sup>.



## AGNICO EAGLE

After receiving a substantial rainfall the previous hours and after some additional melting of ice and snow it was clear that water with elevated TSS was flowing outside the areas that had mitigation measures installed in locations based on previous year's observations. The impacted zones of the lake were found to be on the north side of the shore, away from the exiting culverts receiving water from NP2 Lake.

Mud was observed on location (North side), mud that was under previously present snowbanks and thus was not visible on previous inspections. The great amount of precipitation received on site from the night of the 5<sup>th</sup> to the 6<sup>th</sup> and ongoing for 24 hours increased greatly runoff and snowmelt and created flow outside of usual runoff locations.

As a precautionary measure, additional barriers were placed on the north lake banks limiting TSS arrival speed in the lake on June 6<sup>th</sup> (Photo 2). It is important to note that barriers were already in place within NP1 Lake, as presented on the picture below. Silt fences and additional wood chip logs were installed on the upstream flows to prevent more sediments from entering water. As well, all remaining snow was removed from the road side up and downhill of the areas.





## AGNICO EAGLE



Photo 2: Mitigation measures

Agnico Eagle has put in place a daily TSS monitoring program to follow the water quality until results are satisfying for Agnico Eagle and compliant with regulation for a period judged acceptable for confirmation that the runoff water will not impact the receiving body further. Samples are collected daily for internal analysis and regularly for our offsite accredited laboratory and will be tracked closely.



## AGNICO EAGLE

Given the short duration of flows from surface runoff and snowmelt causing the exceedance on June 6<sup>th</sup> and considering the rainstorm that brought great amounts of precipitation in a short time, Agnico is confident that the aquatic environment was protected and mitigations measures are put in place to stop further potential impact regarding this punctual event. Furthermore, Agnico will confirm the previous affirmation by continuing the exhaustive sampling in NP1, Dogleg and Second Portage Lake that has been requested by the KIA following the ST-16 Rock Storage Facility Seepage event in 2013. No more TSS exceedance was observed in NP1 Lake since June 7<sup>th</sup>, 2017.

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

Regards,  
**Agnico Eagle Mines Limited – Meadowbank Division**

Robin Allard  
[Robin.allard@agnicoeagle.com](mailto:Robin.allard@agnicoeagle.com)  
819-759-3555 x6744  
Senior Environmental Coordinator

Erika Voyer  
[Erika.voyer@agnicoeagle.com](mailto:Erika.voyer@agnicoeagle.com)  
819-759-3555 x6980  
General Supervisor Environment

*CC: Jamie Quesnel – Agnico Eagle*

# 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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR 06-15-2017	REPORT TIME 11:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE #	REPORT NUMBER -	
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR 06-15-2017	OCCURRENCE TIME 02:45			
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14	WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA-1525			
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION MEADOWBANK MINE SITE		REGION <input type="checkbox"/> NT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION		
<b>E</b>	LATITUDE DEGREES 65 MINUTES 02 SECONDS 14		LONGITUDE DEGREES 96 MINUTES 03 SECONDS 58		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0X 0A0			
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
<b>H</b>	PRODUCT SPILLED HYDRAULIC OIL	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 190 LITERS	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
<b>I</b>	SPILL SOURCE DRILL	SPILL CAUSE HYDRAULIC HOSE	AREA OF CONTAMINATION IN SQUARE METRES 70 M2		
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
<b>K</b>	<b>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</b> During drilling operations at Pit E5, a hose on a drilling unit failed and caused hydraulic oil to spill to be spilled on the ground. The operator stopped immediately the unit. The contaminated material will be collected and disposed at the landfarm. There were no off site impact or discharge to any receiving watercourses. Distance to closest lake is estimated at 150 meters, outside of Pit E5.  Spill location : Northing: 65'00'43" Easting: 96'03'12" on IOL.  Contact information : Robin Allard 819-759-3555 ext. 6744				
<b>L</b>	REPORTED TO SPILL LINE BY ROBIN ALLARD	POSITION SR COORDINATOR	EMPLOYER Agnico Eagle Mines	LOCATION CALLING FROM MEADOWBANK	TELEPHONE 8197593555
<b>M</b>	ANY ALTERNATE CONTACT ERIKA VOYER	POSITION GEN SUPERVISOR	EMPLOYER Agnico Eagle Mines	ALTERNATE CONTACT LOCATION MEADOWBANK	ALTERNATE TELEPHONE 8677934610
REPORT LINE USE ONLY					
<b>N</b>	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/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> OTHER: _____			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**

## June 15<sup>th</sup>, 2017 Pit E5 RBD03 spill

Please find the following information as a follow up to the Spill report submitted June 15<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

During drilling operations at pit E5, a hose on the drilling unit failed and caused hydraulic oil to be spilled.

Spill location: Easting 65'00'43" 96'03'12"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 150 meters outside of pit E5.

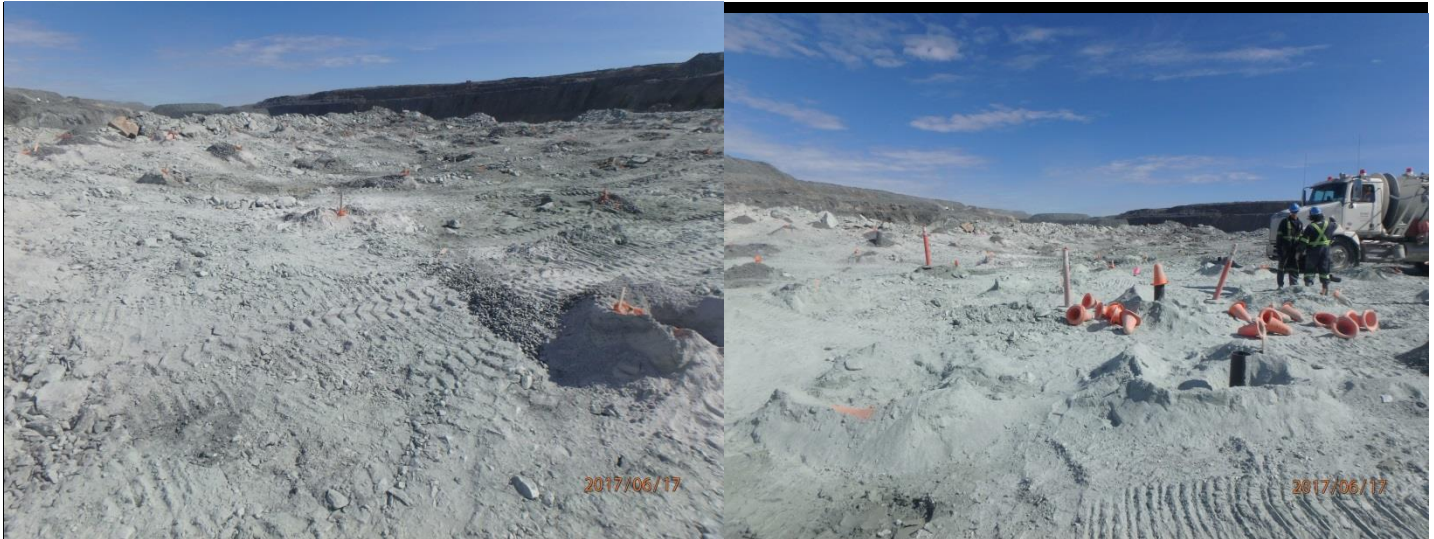


## Cause of Spill

The spill was caused by a failure of an o-ring cause by wear on a hose of the hydraulic system of the drill.

## Remediation Actions

Absorbent pads were laid on the ground to collect oil and the contaminated soil was scraped off the ground with a loader. The pads were brought to the Hazmat area for proper disposal and the material removed was brought to the landfarm area.



## Corrective measures

The hydraulic system including hoses and fittings on drilling equipment are inspected as part of the preventive maintenance program done on site. Pre-operation checks also include visual inspection of the hydraulic system.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on June 15<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Robin Allard**  
**Environmental Senior Coordinator**  
[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)  
T: 819.759.3555 x6744  
Agnico Eagle Mines Limited  
Meadowbank Division



# 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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR 07-02-2017	REPORT TIME 21:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE #		REPORT NUMBER -
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR 07-02-2017	OCCURRENCE TIME 14:00			
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14	WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA-1525			
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION MEADOWBANK MINE SITE		REGION <input type="checkbox"/> NT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION		
<b>E</b>	LATITUDE DEGREES 65 MINUTES 02 SECONDS 14		LONGITUDE DEGREES 96 MINUTES 03 SECONDS 58		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0X 0A0			
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
<b>H</b>	PRODUCT SPILLED HYDRAULIC OIL	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 200 LITERS	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
<b>I</b>	SPILL SOURCE LOADER	SPILL CAUSE HYDRAULIC HOSE	AREA OF CONTAMINATION IN SQUARE METRES 85 M2		
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
<b>K</b>	<b>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</b> As the loader was moving to and from Pit E5, a hydraulic hose failed and caused hydraulic oil to spill to be spilled on the ground. The operator stopped immediately the unit. The contaminated material will be collected and disposed at the landfarm, as soon as the unit will be repaired and able to move out of the area. There were no off site impact or discharge to any receiving watercourses. Distance to closest lake is estimated at 450 meters. Spill location : Northing: 65'00'57" Easting: 96'03'24" on IOL.  Contact information : Robin Allard 819-759-3555 ext. 6744				
<b>L</b>	REPORTED TO SPILL LINE BY ROBIN ALLARD	POSITION SR COORDINATOR	EMPLOYER Agnico Eagle Mines	LOCATION CALLING FROM MEADOWBANK	TELEPHONE 8197593555
<b>M</b>	ANY ALTERNATE CONTACT ERIKA VOYER	POSITION GEN SUPERVISOR	EMPLOYER Agnico Eagle Mines	ALTERNATE CONTACT LOCATION MEADOWBANK	ALTERNATE TELEPHONE 8677934610
REPORT LINE USE ONLY					
<b>N</b>	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/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/>		SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED	
ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> OTHER: _____		<input type="checkbox"/> UNKNOWN			
AGENCY	CONTACT NAME	CONTACT TIME	REMARKS		
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					



**AGNICO EAGLE**

## July 2<sup>nd</sup>, 2017 Pit E5 LOA12 spill

Please find the following information as a follow up to the Spill report submitted July 2<sup>nd</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

The loader was moving to and from pit E5 when a hydraulic hose failed causing hydraulic oil to be spilled on the ground.

Spill location: Easting 65'00'57" 96'03'24"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 450 meters.

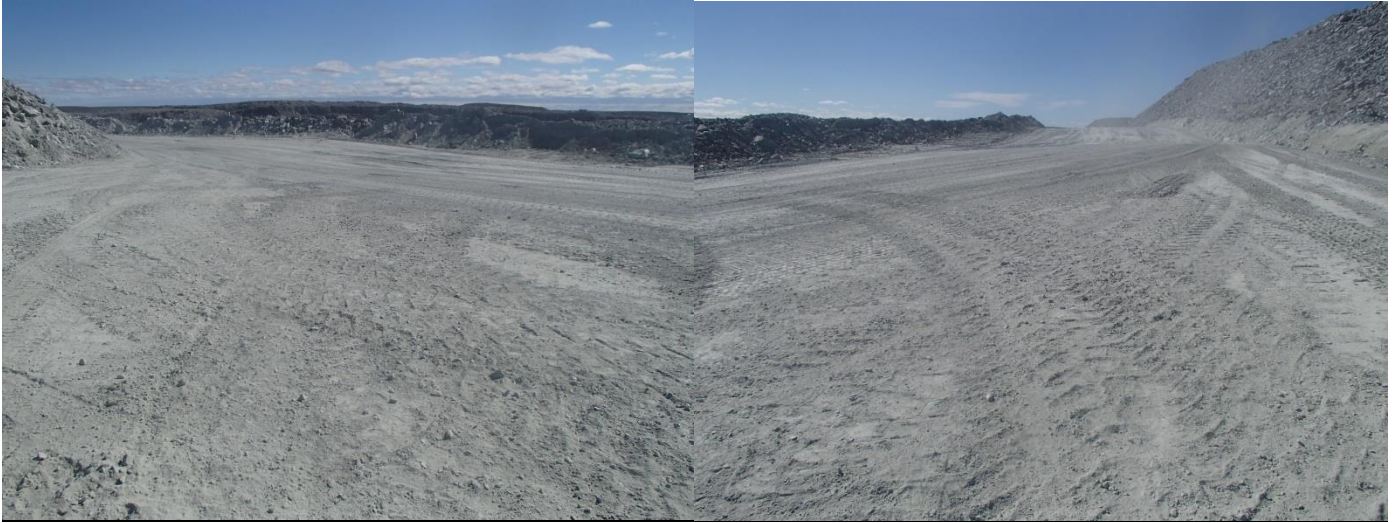


### Cause of Spill

The spill was caused by a hose failure on the hydraulic system of the loading equipment.

## Remediation Actions

Absorbent pads were laid on the ground to collect oil and the contaminated soil was scraped off the ground. The pads were brought to the Hazmat area for proper disposal and the material removed was brought to the landfarm area.



## Corrective measures

The hydraulic system including hoses and fittings on drilling equipment are inspected as part of the preventive maintenance program done on site. The specific PM inspection is also done on loading equipment in relation to the hydraulic system. Pre-operation checks also include visual inspection of the hydraulic system.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on July 2<sup>nd</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.

**Robin Allard**  
**Environmental Senior Coordinator**

[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)

T: 819.759.3555 x6744

Agnico Eagle Mines Limited

Meadowbank Division

**AGNICO EAGLE**



# 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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR 07-28-2017	REPORT TIME 20:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE #		REPORT NUMBER -
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR 07-28-2017	OCCURRENCE TIME 13:30			
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14	WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA-1525			
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION MEADOWBANK MINE SITE		REGION <input type="checkbox"/> NT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION		
<b>E</b>	LATITUDE DEGREES 65 MINUTES 02 SECONDS 14		LONGITUDE DEGREES 96 MINUTES 03 SECONDS 58		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0X 0A0			
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
<b>H</b>	PRODUCT SPILLED DIESEL FUEL	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 200 LITERS	U.N. NUMBER 1202		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
<b>I</b>	SPILL SOURCE TANK	SPILL CAUSE UNKNOWN	AREA OF CONTAMINATION IN SQUARE METRES 90 M2		
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
<b>K</b>	<b>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</b> During regular maintenance work, a technician noticed a fuel smell from his work area. He proceeded to notify the Environmental department for further assessment. Upon inspection, it was determined that source was from underneath the Vault refuge genset tank. The exact cause of the spill is still to be determined and is being investigated. The contaminated material will be collected and disposed at the landfarm, as soon as the tank can be moved safely out of the area. There were no off site impacts or discharge to any receiving watercourses. Distance to closest lake is estimated at 650 meters. Spill location : Northing: 65'03'46" Easting: 95'59'31" on IOL. Contact information : Robin Allard 819-759-3555 ext. 6744				
<b>L</b>	REPORTED TO SPILL LINE BY ROBIN ALLARD	POSITION SR COORDINATOR	EMPLOYER Agnico Eagle Mines	LOCATION CALLING FROM MEADOWBANK	TELEPHONE 8197593555
<b>M</b>	ANY ALTERNATE CONTACT ERIKA VOYER	POSITION GEN SUPERVISOR	EMPLOYER Agnico Eagle Mines	ALTERNATE CONTACT LOCATION MEADOWBANK	ALTERNATE TELEPHONE 8677934610
REPORT LINE USE ONLY					
<b>N</b>	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/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/>		SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED	
ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> OTHER: _____		<input type="checkbox"/> UNKNOWN			
AGENCY	CONTACT NAME	CONTACT TIME	REMARKS		
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					



**AGNICO EAGLE**

## July 28<sup>th</sup>, 2017 Vault refuge genset spill

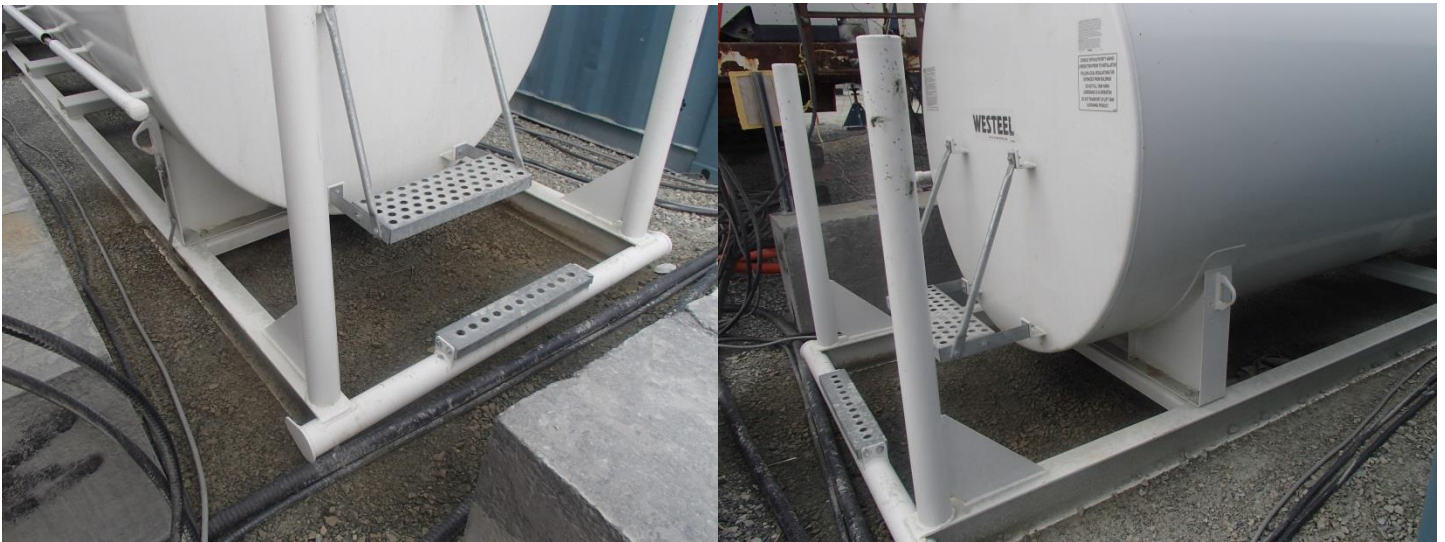
Please find the following information as a follow up to the Spill report submitted July 28<sup>th</sup> 2017 by Agnico Eagle Meadowbank division. This detailed report is submitted to the Inspector in compliance with the conditions under the Nunavut Water Board License 2AM-MEA1525, Part H, Item 8c.

### Spill Description

During regular maintenance work, a technician noticed a fuel smell from his work area. The worker notified immediately his supervisor and the Environmental department. Upon inspection it was determined that the source was from underneath the Vault refuge genset tank.

Spill location: Easting 65'03'46" 95'59'31"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 650 meters.



## Cause of Spill

After investigation (see in appendix), it was assessed that the spill most probably originated from the refilling procedures of the tank. Consumption logs were verified and tabulated, pointing towards human error during refuelling.

## Remediation Actions

Being underneath the tank, the recovery work had to be planned and assessed with the Energy and Infrastructure and Mine Departments. Level of the tank had to be lowered to safely lift and remove from the location. As well the area is part of the electrical feed of the Vault refuge station, thus electrical cables around the area had to be identified and taken away for the planned clean-up work. A complete shut-down of the refuge had to be planned, delaying recovery work. A PID meter was used to assist in locating contaminated area. To ensure stability of the ground for the tank reset, the whole area was dug to a stable and level depth. Thus, more material was removed from the recovery work. All material removed was considered contaminated and disposed at the approved Landfarm. The area was backfilled with proper material and the tank reinstalled at the same location.





## Corrective measures

An investigation was completed and amongst causes was identified:

*Improper loading; Inadequate inspection; Inadequate warning system; Procedure not followed; Inadequate engineering; Inadequate work standards.*

Corrective measures identified were:

*Review and modify procedure with all fuel truck drivers and the facts of this incident. Review the responsibilities of the fuel truck drivers if a spill occurs while fueling and actions to be taken.*

*Research the options to provide the level reading of fuel tanks around site to the operator while filling them.*

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on July 28<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Robin Allard**  
**Environmental Senior Coordinator**  
[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)  
T: 819.759.3555 x6744  
Agnico Eagle Mines Limited  
Meadowbank Division

**AGNICO EAGLE** 

Appendix A  
Investigation Report



# Accident/Incident Investigation Form

## PERSON AND TIME

Name: Steven Chasse Employee #: \_\_\_\_\_

Department: E&I Work station: \_\_\_\_\_

Supervisor: Eric Parent Witness: \_\_\_\_\_

Date: July 29th 2017 Time: 10am Overtime:  Yes  No

Shift:  8H  10H  12H  Day  Night

Supplementary details in the statement (if applicable)  Appendix

**While electrician was running cables under the fuel tank for Gen04/Gen04 he noticed that there was a spill under the tank. He reported it to his supervisor Eric Parent. A spill report was then completed with details of the situation to environment department.**

Witness statements (if any):

## TASK & ORGANIZATION

Task at the time of the accident: N/A

Experience in this task: N/A Frequency of this task: Once a day

Movement at the time of the accident:  
We are not sure when the spill happened exactly so it is not possible to know exactly who was responsible.

Body position: N/A

Type of work:  Team  Solo

Is there a written work procedure:  Yes  No  N/A

Was it followed:  Yes  No  N/A

Training received for this task:  Yes  No Date: \_\_\_\_\_ Length: \_\_\_\_\_

Information received for this task:  Yes  No Date: \_\_\_\_\_

## LOCATION AND ENVIRONMENT

Exact location of the incident: Behind Gen05 and under the 11,000L Fuel Tank

Layout and cleanliness of the site:  
N/A

Physical condition of the site (ground conditions, ventilation, temperature, lighting, dust, etc.):

Compliant  Non-Compliant  N/A

Details (if non-compliant):

Photo:  Yes  No



## EQUIPMENT, MATERIALS AND TOOLS

Identify equipment, materials or tools involved in the accident (if any):

Fuel Truck and 11,000 L Fuel Tank

Condition of equipment, materials or tools:

Compliant     Non-Compliant     N/A

Details (if non-compliant):

Is there an equipment maintenance procedure?     Yes     No     N/A

Date of last preventive maintenance:   N/A  

Personal protective equipment involved (boots, hat, eyewear, mask, visor, gloves...):

N/A

Condition of personal protective equipment involved:     Compliant     Non-Compliant     N/A

Details (if non-compliant):

Were they appropriate to the task?     Yes     No     N/A

Details (if non-compliant):

Photo:     Yes     No



## **ANALYSYS** (*Investigation of immediate and fundamental (root) causes*)

*Reconstruct the chronological order including the causes and effects of the accident:*

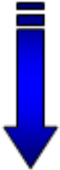
### **Damage or Injury:**

Approximatly 200 Liters of fuel spilled under the tank.



### **Fact(s):** (Why?)

Fuel spill occured sometime end of July. It is unknown when exactly the spill occured. Gen04 & Gen05 both use this fuel tank. Fuel tank has a capacity of 11,000 Liters. G4 runs at 1.08Liters per minute & G5 runs at 1.51Liters per minute. We do not know who was the driver when the spill occurred.



### **Immediate Cause(s):** (Why?)

Improper loading: There is a possibility that the driver overfilled the tank which caused the spill. No one reported a spill in this area as it was found after the fact.

Inadequate inspection: The driver may not have inspected the tank level correctly before filling the tank.

Inadequate warning system: There is no level sensor in the tank to warn the driver of the percentage of tank level.

Temperature exposure: It is possible that the tank was filled to a high level and that the temperature caused an expansion in the tank causing the spill.



### **Fundamental (Root) Causes(s):** (Why?)

Inadequate engineering/ Inadequate tools/equipment: No level sensor or local level display on the fuel tank or automatic shut off on fuel truck.

Inadequate work standards: Possibility that the driver was distracted or for another reason overfilled the tank.

## CORRECTIVE MEASURES

### Corrective measure # 1

Review and modify procedure if required with all fuel truck drivers and the facts of this incident. Review the responsibilities of the fuel truck drivers if a spill occurs while fueling and actions to be taken.

Responsibility: Pat Camarotto Due Date: \_\_\_\_\_  
Corrective completed  By: \_\_\_\_\_ Date: \_\_\_\_\_

### Corrective measure # 2

Research the options to provide the level reading of fuel tanks around site to the operator while filling them. Only tanks that have a potential for a spill of 100 liters or more should require the level reading.

Responsibility: Lee-Christophe Bouchard Due Date: September 1<sup>st</sup>, 2017  
Corrective completed  By: \_\_\_\_\_ Date: \_\_\_\_\_

### Corrective measure # 3

Responsibility: \_\_\_\_\_ Due Date: \_\_\_\_\_  
Corrective completed  By: \_\_\_\_\_ Date: \_\_\_\_\_

### Corrective measure # 4

Responsibility: \_\_\_\_\_ Due Date: \_\_\_\_\_  
Corrective completed  By: \_\_\_\_\_ Date: \_\_\_\_\_

### Corrective measure # 5

Responsibility: \_\_\_\_\_ Due Date: \_\_\_\_\_  
Corrective completed  By: \_\_\_\_\_ Date: \_\_\_\_\_

OHSC Hourly Representative: \_\_\_\_\_ Signature  
OHSC Management Representative: \_\_\_\_\_ Signature

Participant(s): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Date \_\_\_\_\_



# 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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR 07-30-2017	REPORT TIME 15:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE #		REPORT NUMBER -
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR 07-29-2017	OCCURRENCE TIME 9:00			
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14	WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA-1525			
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION MEADOWBANK MINE SITE		REGION <input type="checkbox"/> NT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION		
<b>E</b>	LATITUDE DEGREES 65 MINUTES 02 SECONDS 14		LONGITUDE DEGREES 96 MINUTES 03 SECONDS 58		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0X 0A0			
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
<b>H</b>	PRODUCT SPILLED COOLANT	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 120 LITERS	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
<b>I</b>	SPILL SOURCE HAUL TRUCK	SPILL CAUSE BROKEN PUMP	AREA OF CONTAMINATION IN SQUARE METRES 50 M2		
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS The haul truck operator noticed a leak while going down the pit ramp. He proceeded to stop the truck at a safe location and called for assistance. Once repaired the unit was moved out of the area and the contaminated material was collected and disposed at the landfarm. There were no off site impacts or discharge to any receiving watercourses. Distance to closest lake is estimated at 1050 meters.  Spill location : Northing: 65'04'32" Easting: 95'59'55" on IOL. Contact information : Robin Allard 819-759-3555 ext. 6744				
<b>L</b>	REPORTED TO SPILL LINE BY ROBIN ALLARD	POSITION SR COORDINATOR	EMPLOYER Agnico Eagle Mines	LOCATION CALLING FROM MEADOWBANK	TELEPHONE 8197593555
<b>M</b>	ANY ALTERNATE CONTACT ERIKA VOYER	POSITION GEN SUPERVISOR	EMPLOYER Agnico Eagle Mines	ALTERNATE CONTACT LOCATION MEADOWBANK	ALTERNATE TELEPHONE 8677934610

REPORT LINE USE ONLY					
<b>N</b>	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/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> OTHER: _____			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**

## July 29<sup>th</sup>, 2017 Vault HTR34 spill

Please find the following information as a follow up to the Spill report submitted July 30<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

The haul truck operator noticed a leak while going down the Vault pit ramp. The truck safely pulled to the side and called his supervisor.

Spill location: Easting 65'04'32" 95'59'55"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 1050 meters.



## Cause of Spill

The spill was caused by a failure of a turbo fitting on the cooling system of the hauling equipment.

## Remediation Actions

Once the haul truck was safely moved out, the area was scrapped clean and the contaminated material was brought to the Tailings Storage Facility (TSF).



## Corrective measures

The equipment is visually inspected for leaks as part of the pre-operational check. Regular preventive maintenance is also done on hauling equipment on site, including inspection on the cooling system parts and fittings.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on July 29<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Robin Allard**  
**Environmental Senior Coordinator**  
[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)  
T: 819.759.3555 x6744  
Agnico Eagle Mines Limited  
Meadowbank Division



# 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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR 08-08-2017	REPORT TIME 11:00AM	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE #	REPORT NUMBER -	
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR 08-07-2017	OCCURRENCE TIME 12:00PM			
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14	WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA-1525			
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION MEADOWBANK MINE SITE		REGION <input type="checkbox"/> NT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION		
<b>E</b>	LATITUDE DEGREES 65 MINUTES 02 SECONDS 14	LONGITUDE DEGREES 96 MINUTES 03 SECONDS 58			
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0X 0A0			
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
<b>H</b>	PRODUCT SPILLED HYDRAULIC OIL	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 200 LITERS	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
<b>I</b>	SPILL SOURCE EXCAVATOR BAC 13	SPILL CAUSE BROKEN VALVE	AREA OF CONTAMINATION IN SQUARE METRES 50 M2		
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
<b>K</b>	<b>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</b> The excavator BAC 13 was working in the area of Phaser Pit and during operations, a valve was pinched under the excavator by rocks. The broken valve resulted in a spill of 200L of hydraulic oil on the ground. The contaminated area was identified and the contaminated material will be excavated and placed in the Meadowbank landfarm. There were no off site impacts or discharge to any receiving watercourses.  Spill location : Northing: 65'04'16.8" Easting: 96'00'43" Contact information : Erika Voyer 819-759-3555 ext. 6980/6744/1-819-856-1956				
<b>L</b>	REPORTED TO SPILL LINE BY ERIKA VOYER	POSITION GEN.SUPERVISOR	EMPLOYER Agnico Eagle Mines	LOCATION CALLING FROM MEADOWBANK	TELEPHONE 8197593555
<b>M</b>	ANY ALTERNATE CONTACT MARTIN ARCHAMBAULT	POSITION SR.COORDINATOR	EMPLOYER Agnico Eagle Mines	ALTERNATE CONTACT LOCATION MEADOWBANK	ALTERNATE TELEPHONE 8677934610

REPORT LINE USE ONLY					
<b>N</b>	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/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> OTHER: _____			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**

## August 7<sup>th</sup>, 2017 BAC13 Phaser Pit

Please find the following information as a follow up to the Spill report submitted August 7<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

Scooping softer ground the bucket on the excavator unit dug too deep which caused a rock to get stuck and damage a valve on a hydraulic line.

Spill location: Easting 65'04'16" 96'00'43"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 1000 meters.



## Cause of Spill

The spill was caused when a rock pinched a valve under the loading unit's shovel, causing hydraulic oil to spill on the ground.

## Remediation Actions

The unit was removed from location and the area identified around the contaminated zone. The ground was scrapped clean and all contaminated material was brought to the Landfarm.



## Corrective measures

Being different typology, operators were reminded of best practices within that area.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on August 7<sup>th</sup> 2017 and the cleanup activities. Please contact the undersigned should you have any questions.

A handwritten signature in black ink, appearing to read 'Robin Allard', on a light blue background.

**Robin Allard**  
**Environmental Senior Coordinator**

[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)

T: 819.759.3555 x6744

Agnico Eagle Mines Limited  
Meadowbank Division

**AGNICO EAGLE** 



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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>08-08-2017</b>	REPORT TIME <b>12:50</b>	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR <b>08-08-2017</b>	OCCURRENCE TIME		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>Km 23 AWAR Meadowbank</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES                      MINUTES                      SECONDS	LONGITUDE DEGREES                      MINUTES                      SECONDS		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE MINES LTD</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0X 0A0</b>		
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
<b>H</b>	PRODUCT SPILLED <b>NaOH</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>TO BE DETERMINED</b>	U.N. NUMBER <b>1823</b>	
	SECOND PRODUCT SPILLED (IF APPLICABLE) <b>FUEL</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>TO BE DETERMINED</b>	U.N. NUMBER <b>1202</b>	
<b>I</b>	SPILL SOURCE <b>HAUL TRUCK</b>	SPILL CAUSE <b>HAUL TRUCK ROLL OFF</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>TO BE DETERMINED</b>	
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS <b>A Haul truck traveling north bound with two sea-cans, from Baker Lake to Meadowbank mine site, containing solid Sodium Hydroxide (NaOH) bags roll-off the All Weather Access Road (AWAR) at km 23. The sea-can container doors are opened with some bags of NaOH are on the ground, however no product has been observed loose on the ground. Emergency Response Team (ERT), Road Supervisor and Environment Team are in control of the situation (more details to follow). The incident location is not adjacent to a water course (over 150 m away from the water body). The area has been secured and response activities will continue. All quantities of the products will be to determined. More information coming soon.</b>			
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<b>L</b>	REPORTED TO SPILL LINE BY <b>Martin Archambaul</b>	POSITION <b>Sr Coordinator</b>	EMPLOYER <b>Agnico Eagle</b>	LOCATION CALLING FROM <b>Meadowbank</b>	TELEPHONE <b>8197593555</b>
<b>M</b>	ANY ALTERNATE CONTACT <b>Erika Voyer</b>	POSITION <b>General Supervisor</b>	EMPLOYER <b>Agnico Eagle</b>	ALTERNATE CONTACT LOCATION <b>Meadowbank</b>	ALTERNATE TELEPHONE <b>8197593555</b>

REPORT LINE USE ONLY

<b>N</b>	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					



## August 9<sup>th</sup>, 2017 km 23 Tractor Trailer spill

Please find the following information as a follow up to the Spill report submitted August 9<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

A Tractor and Trailer of Artic Fuel were loaded with two sea cans containing solid Sodium Hydroxide (NaOH) bags of 1000 kg. A total of 40 bags were contained in the 2 sea cans. The tractor traveling north from Baker Lake to the Meadowbank mine site, rolled-over on its side on the All Weather Access Road (AWAR) at km 23. The containers doors were damaged with the impact and a few bags of NaOH went on the ground. This incident occurred August 9<sup>th</sup> at 7 am. The Emergency Response Team (ERT), representatives from Energy & Infrastructures and the Environment Departments were deployed on the site of the incident. Inspection of the scene was completed to ensure that no product was close to the watercourse. The site was secured and traffic was stopped along the AWAR. Booms were placed close to the shore of the lake as precaution measures before a berm was constructed.

After observation on the incident scene by ERT personnel, a small amount of Sodium Hydroxide (NaOH) was observed on the ground, as well as fuel and oil from the engine of the truck.



Tractor and trailer off-road



Tractor and trailer off-road

## Spill location:

N 64'30'02.4"W 96'07'27.7"

There was no discharge to any receiving watercourses. The distance to the closest lake is estimated at 150 m.

## Cause of Spill

The incident occurred when the tractor trailer turned a curve at low speed. The load inside the containers shifted creating momentum towards one side. The equipment was thus carried off-road. The conclusion of the investigation indicates that the load of Sodium Hydroxide bags could have been moved on one side during the loading of the containers on the trailer in at least one sea can and caused the instability of the load. With the impact, some bags inside the trailer were damaged.

## Remediation Actions

A berm was built to avoid any product from potentially seeping to any watercourse. Chemical booms were also put in place as a second protection barrier. The road was closed to all traffic during the management of the incident and recovery work. The ERT was present on site during recovery work in collaboration with the Environmental Department and Energy and Infrastructures Department. The first sea can was emptied, one bag at the time with a backhoe. All bags were removed and placed in a new sea can. The content of the puncture bags was transferred into a quatrex bag.

The second damaged sea can was turned in a proper position, put on a trailer and was sent to the mine site. The sea cans containing sodium hydroxide damaged bags were placed in a secured location at the mine site.

The estimated quantity of sodium hydroxide spilled on the ground was found to be less than 25 kg. All recovery work was completed to remove all product and contaminated soil. Oil and fuel leaking from the truck engine have been estimated to 50 liters and all contaminated soil with hydrocarbon has been excavated. Salvageable sodium hydroxide will be used within the milling process. The remainder product and contaminated soil will be disposed at the Tailings Storage Facility (TSF).

After all equipment was removed from the location, the area was scrapped and soil collected to prevent any possibility of contamination. All the contaminated soil was brought to the (TSF).





Berm and chemical booms



Bags outside the sea can



Bags recovery



Bags recovery (2)



Products transferred in a quatrex



Empty sea can



Bags recovery



Clean-up progress



Clean-up completed

## Corrective measures

An investigation was completed (annex 1) with the current stakeholders and contributing factors were identified to be related to the sea can manipulation during loading/offloading.

The correctives measures were defined:

- Maintain sea cans as close to horizontal level as possible during the loading and unloading process. Procurement and Logistics needs to evaluate the best possible process and implement within their practices.
- Evaluate the state of the material inside sea cans that are now on site at Baker Lake to determine whether they are safe to truck on the AWAR.
- Assess if AWAR modification are required.

## Subsequent follow-ups and information

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on August 9<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Martin Archambault**  
**Environmental Senior Coordinator**  
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**Robin Allard**  
**Environmental Senior Coordinator**  
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T: 819.759.3555 x6744



**Érika Voyer, P.Eng., M.Sc.**  
**Environment General Supervisor**  
[erika.voyer@agnicoeagle.com](mailto:erika.voyer@agnicoeagle.com)  
T: 819.759.3555 x 6980  
C: 819.856.1956  
Agnico Eagle Mines Limited  
Meadowbank Division  
Baker Lake, Nunavut, Canada  
X0C 0A0

[agnicoeagle.com](http://agnicoeagle.com)



**AGNICO EAGLE**



Annex 1

Incident Report



# Accident/Incident Investigation Form

## PERSON AND TIME

Name: Todd McMullen Employee #: \_\_\_\_\_  
 Department: Arctic Fuel Work station: \_\_\_\_\_  
 Supervisor: Cameron Hodgins Witness: Nolan Aupaluktug  
 Date: August 09 2017 Time: 7h00 am Overtime:  Yes  No  
 Shift:  8H  10H  12H  Day  Night

Supplementary details in the statement (if applicable)  Appendix

Witness statements (if any):

## TASK & ORGANIZATION

Task at the time of the accident: Hauling sea can to Meadowbank  
 Experience in this task: 10 years Frequency of this task: Daily

Movement at the time of the accident:  
Exiting a curve and climbing a hill

Body position: Seated

Type of work:  Team  Solo  
 Is there a written work procedure:  Yes  No  N/A  
 Was it followed:  Yes  No  N/A  
 Training received for this task:  Yes  No Date: \_\_\_\_\_ Length: \_\_\_\_\_  
 Information received for this task:  Yes  No Date: \_\_\_\_\_ Length: \_\_\_\_\_

## LOCATION AND ENVIRONMENT

Exact location of the accident: Blind Hill km23

Layout and cleanliness of the site:  
Good

Physical condition of the site (ground conditions, ventilation, temperature, lighting, dust, etc.):  
 Compliant  Non-Compliant  N/A

Details (if non-compliant):

Photo:  Yes  No

## EQUIPMENT, MATERIALS AND TOOLS

Identify equipment, materials or tools involved in the accident (if any):

TRK03 and TRL28

Condition of equipment, materials or tools:

Compliant     Non-Compliant     N/A

Details (if non-compliant):

An inspection has been done by a AEM mechanic on the truck and trailer after the accident and everything was ok.

Is there an equipment maintenance procedure?     Yes     No     N/A

Date of last preventive maintenance: TRK03 August 4, 2017 and TRL28 July 18, 2017

Personal protective equipment involved (boots, hat, eyewear, mask, visor, gloves...):

Seat belt, the driver was wearing it at the time of the accident.

Condition of personal protective equipment involved:     Compliant     Non-Compliant     N/A

Details (if non-compliant):

Were they appropriate to the task?     Yes     No     N/A

Details (if non-compliant):

Photo:     Yes     No

## ANALYSYS *(Investigation of immediate and fundamental (root) causes)*

Reconstruct the chronological order including the causes and effects of the accident:

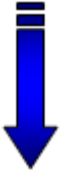
### **Damage or Injury:**

TRK03 and TRL28 flipped on the side of the road Km23 with 2 sea cans of sodium hydroxide.



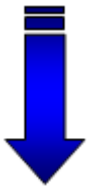
### **Fact(s):** *(Why?)*

- Truck was on the center of the roadway.
- Transmission was at 5 high and he estimated to be at 20 to 25 km/h
- The sea cans were tied down on the trailer.
- The road was in good condition.
- The weight of the load was 98 000 lbs. Trailer is rated to 110 000 lbs.
- We had inspected other sea cans and observed that the load has shifted prior to transit to Meadowbank site.
- The loader during the unloading process has the tilt sea can at approx 45 deg.



### **Immediate Cause(s):** *(Why?)*

- Unexpected displacement of the weight on the trailer, caused the rolling of the trailer.
- Accelerated in the curve to gain speed prior to climb the hill.



### **Fundamental (Root) Causes(s):** *(Why?)*

- Weight transfer within at least one sea can.

## CORRECTIVE MEASURES

### Corrective measure # 1

Maintain sea cans as close to level as possible during the unloading process. Procurement and Logistics to evaluate the best possible process and implement.

Responsibility: Mathieu Grenier Due Date: \_\_\_\_\_  
Corrective completed  By: \_\_\_\_\_ Date: \_\_\_\_\_

### Corrective measure # 2

Evaluate the loading of the seacans that are now on site at Baker Lake to determine whether they are safe to truck.

Responsibility: Mathieu Grenier Due Date: \_\_\_\_\_  
Corrective completed  By: \_\_\_\_\_ Date: \_\_\_\_\_

### Corrective measure # 3

Determine whether seacans containing chemical should be paired with lighter loads, and determine the stability of the loads in the seacans themselves.

Responsibility: Mathieu Grenier Due Date: \_\_\_\_\_  
Corrective completed  By: \_\_\_\_\_ Date: \_\_\_\_\_

### Corrective measure # 4

Establish a procedure with AFS to ensure that corners are taken at an appropriate speed to mitigate this risk

Responsibility: Bruce Waugh Due Date: August 20  
Corrective completed  By: \_\_\_\_\_ Date: \_\_\_\_\_

### Corrective measure # 5

Responsibility: \_\_\_\_\_ Due Date: \_\_\_\_\_  
Corrective completed  By: \_\_\_\_\_ Date: \_\_\_\_\_

Employee Representative: \_\_\_\_\_ Signature \_\_\_\_\_ Employer Representative: \_\_\_\_\_ Signature \_\_\_\_\_

Participant(s):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date \_\_\_\_\_





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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>09-15-2017</b>	REPORT TIME <b>10:00</b>	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	<b>REPORT NUMBER</b>  _____
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR <b>09-14-2017</b>	OCCURRENCE TIME <b>15:00</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>01</b> SECONDS <b>44</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>02</b> SECONDS <b>55</b>		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE MINES LTD</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0C 0A0</b>		
<b>G</b>	ANY CONTRACTOR INVOLVED <b>ARTIC FUEL</b>	CONTRACTOR ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0X 0A0</b>		
<b>H</b>	PRODUCT SPILLED <b>DIESEL FUEL</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>500 L</b>	U.N. NUMBER <b>1202</b>	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
<b>I</b>	SPILL SOURCE <b>AFS TANKER</b>	SPILL CAUSE <b>NOT ACCURATE FLOW METER</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>25m2</b>	
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS  <b>The fuel meter was not accurate (new fuel meter) causing the tanker and the overflow tank to overflowed creating the spill</b>  <b>All the contaminated material had been removed and loaded into dumptruck and will be hauled to MBK Landfarm.</b>  <b>There was no off-site impacts or discharge to any receiving watercourses.</b> <b>Spill location : Northing: 64'18'27" Easting: 95'56'58"</b>  <b>Contact information: Martin Theriault 819-759-3555 ext. 6906</b>			
----------	---	--	--	--

<b>L</b>	REPORTED TO SPILL LINE BY <b>Martin Theriault</b>	POSITION <b>TECHNICIAN</b>	EMPLOYER <b>Agnico Eagle Mines</b>	LOCATION CALLING FROM <b>MEADOWBANK</b>	TELEPHONE <b>8197593555</b>
<b>M</b>	ANY ALTERNATE CONTACT <b>Robin Allard</b>	POSITION <b>SR Coordinator</b>	EMPLOYER <b>Agnico Eagle Mines</b>	ALTERNATE CONTACT LOCATION <b>MEADOWBANK</b>	ALTERNATE TELEPHONE <b>8197593555</b>

REPORT LINE USE ONLY

<b>N</b>	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					



## September 14th, 2017 AFS Tanker spill at Baker Lake

Please find the following information as a follow up to the Spill report submitted September 15<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

An AFS worker was filling up at Baker Lake when the operator saw that the tanker was overflowing. As soon as the worker realized that, he stopped the filling, starts to put absorbent pads and called his supervisor. A new flow meter was installed at the fuel station and the numbers showed by the meter were erroneous causing the operator to underestimate the amount of fuel in the tanker. The area where the spill occurred is lined. An investigation was completed and the corrective measures can be seen below. Upon the investigation, the quantity spilled was evaluated at a 1000L according to the flow and the time of the spill.



### Spill location:

N 64°18'27"W 95°56'58"

There was no discharge to any receiving watercourses. The distance to the closest lake is estimated at 300 m.

## Cause of Spill

The incident occurred when the tanker overflow tank got overfilled. The wrong number on the flow meter caused the operator to underestimate the quantity and the preventive system in case of overflow didn't work as planned.

## Remediation Actions

All the contaminated soil was scrapped and brought to the Meadowbank landfarm (about 22 m3). An investigation is under way to determine what went wrong with the new flow meter as well as the overflow preventive system.



## Corrective measures

- Install a window in the fuel farm sea-can so the driver has a better view of his truck and the surrounding when he reaches inside to look at the meter.
- Improving our commissioning procedures for extra precaution when we test new equipments
- Re-design our spill control system connected to the overflow of the tanker.

## Subsequent follow-ups and information

We trust that the above details described appropriately the spill incident that occurred on the Meadowbank property on September 14th, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Martin Archambault**  
**Environmental Senior Coordinator**  
[martin.archambault@agnicoeagle.com](mailto:martin.archambault@agnicoeagle.com)  
T: 819.759.3555 x6744



**Robin Allard**  
**Environmental Senior Coordinator**  
[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)  
T: 819.759.3555 x6744

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

[agnicoeagle.com](http://agnicoeagle.com)



**AGNICO EAGLE**





# 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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR 09-22-2017	REPORT TIME 20:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE #		REPORT NUMBER -
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR 09-22-2017 (results received)	OCCURRENCE TIME 15:05			
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14	WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA-1525			
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION MEADOWBANK MINE SITE		REGION <input type="checkbox"/> NT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION		
<b>E</b>	LATITUDE DEGREES 65 MINUTES 02 SECONDS 14		LONGITUDE DEGREES 96 MINUTES 03 SECONDS 58		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0X 0A0			
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
<b>H</b>	PRODUCT SPILLED TOTAL SUSPENDED SOLIDS (TSS)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 58.95 KG *	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
<b>I</b>	SPILL SOURCE East Dike Seepage (ST-8/MMER3)	SPILL CAUSE Effluent Discharge	AREA OF CONTAMINATION IN SQUARE METRES N/A		
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
<b>K</b>	<b>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</b> The effluent of the East Dike Seepage (ST-8, MMR-3) was sampled on September 18 <sup>th</sup> , 2017 at 08:30 CT as required by the Water License 2AM-MEA1525. Laboratory result of the sample was received on September 22 <sup>nd</sup> at 15:06. Result for total suspended solid (TSS) of 32 mg/L exceeds the regulatory limit of 30 mg/L Maximum Allowable Grab Sample Concentration (mg/L) (Water License 2AM-MEA1525). The Maximum Average Concentration is below the regulatory limit of 15 mg/L (Water License 2AM-MEA1525). Discharge of the East Dike Seepage (ST-8/MMER-3) to Second Portage Lake was stopped on September 22 <sup>nd</sup> , 15:55 and has been directed to the Portage Pit. Based on a total flow of 1733 m3 between September 18 <sup>th</sup> and September 22 <sup>nd</sup> 15:05, the quantity of TSS is estimated at 55.49 kg*. Spill location : ST-8/MMER-3 - 65.019789, 96.042236. Contact information : Robin Allard 819-759-3555 ext. 6744.				
<b>L</b>	REPORTED TO SPILL LINE BY ROBIN ALLARD	POSITION SR COORDINATOR	EMPLOYER Agnico Eagle Mines	LOCATION CALLING FROM MEADOWBANK	TELEPHONE 8197593555
<b>M</b>	ANY ALTERNATE CONTACT ERIKA VOYER	POSITION GEN SUPERVISOR	EMPLOYER Agnico Eagle Mines	ALTERNATE CONTACT LOCATION MEADOWBANK	ALTERNATE TELEPHONE 8677934610
REPORT LINE USE ONLY					
<b>N</b>	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/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/>		SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED	
ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> OTHER: _____		<input type="checkbox"/> UNKNOWN			
AGENCY	CONTACT NAME	CONTACT TIME	REMARKS		
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					



# AGNICO EAGLE

October 21<sup>st</sup>, 2017

**Re: Agnico Eagle Meadowbank Mine – East Dike Pond Discharge Total Suspended Solids Exceedance reported on September 22<sup>nd</sup>, 2017 - Follow up report**

As required by Water License 2AM-MEA1525 Part H, Item 8b and Section 24(1)(a) of the Metal Mining Effluent Regulations, Agnico Eagle Mine Ltd. Meadowbank Division informed you via email on September 22<sup>nd</sup>, that the level of Total Suspended Solids (TSS) from the East Dike Discharge exceeded the limits, set out in Water License Part F Item 6 and MMR Schedule 4, of 30 mg/L for the maximum authorized concentration in a grab sample.

As required by Water License 2AM-MEA1525 Part H, Item 8c and MMR Section 24 (2), please consider this letter as the written report describing the test results to be submitted 30 days after the tests have been completed.

Water discharge to Second Portage Lake for the regulatory East Dike Discharge has been ongoing during the Meadowbank operations and as required by Water License and MMR, weekly samples are taken and reported monthly via the NWB Monthly report and on a quarterly basis via the ECCC RISS system.

The East Dike Discharge effluent was sampled on September 18<sup>th</sup>, 2017 at 08:30 CT. Laboratory result of this sample was received on September 22<sup>nd</sup> at 15:06 CT. Result for total suspended solid (TSS) of 34 mg/L exceeded the regulatory limit of 30 mg/L maximum authorized concentration in a grab sample. The East Dike Discharge to Second Portage Lake was stopped on September 22<sup>nd</sup> at 15:55 CT and was diverted to the Portage Pit. Based on a total flow of 1733 m<sup>3</sup> between September 18<sup>th</sup> and September 22<sup>nd</sup>, the quantity of TSS release is estimated at 58.95 kg.

Previous results of September were all below the authorized limits:

Date	TSS (mg/L)
9/4/2017	<1.00
9/6/2017	3.00
9/6/2017	<1.00
9/11/2017	3.00
9/18/2017	34.00
9/21/2017	<1.00
Average	7.17

During this period, regulatory results were below the regulatory limit of 30 mg/L maximum authorized concentration and the maximum authorized monthly mean concentration of 15 mg/L.



## AGNICO EAGLE

Furthermore to regulatory sampling and as part of our internal monitoring to ensure the protection of the receiving environment, Agnico analysed on a regular basis a TSS sample from our onsite laboratory, which is not accredited but provides real time data for guidance. Samples from September 4<sup>th</sup> (when discharge was re-started after the May 2017 exceedance, previously reported) until the discharge was stopped on September 22<sup>nd</sup>, showed an average of 3.17 mg/L.

Date	TSS (mg/L) (internal lab)
9/4/2017	2.10
9/5/2017	1.70
9/6/2017	0.30
9/7/2017	1.60
9/8/2017	2.20
9/9/2017	0.00
9/10/2017	0.50
9/11/2017	0.20
9/12/2017	15.00
9/13/2017	0.30
9/14/2017	8.70
9/15/2017	0.30
9/16/2017	0.00
9/17/2017	2.70
9/18/2017	23.70
9/19/2017	0.00
9/20/2017	0.00
9/21/2017	0.30
9/22/2017	0.70
Average	3.17

During this period, internal results were below the regulatory limit of 30 mg/L, maximum authorized concentration and the maximum monthly mean concentration of 15 mg/L. All results before September 18<sup>th</sup>, either from our onsite or accredited laboratory, did not permit to foresee the exceedance.



## AGNICO EAGLE

As of today, there is still no discharge from the East Dike Seepage to Second Portage Lake. Agnico Eagle has put in place a daily TSS monitoring program to follow the water quality. Frozen conditions will assist in reducing variances within the collected water and permit constant discharge from further on. Once the results are satisfying for Agnico Eagle and compliant with the MMER and NWB Water License 2AM-MEA1525 regulation for a period judged acceptable for confirmation that the TSS level meets discharge criteria, the water discharge will resume in Second Portage Lake. Agnico anticipates that the discharge will restart in the upcoming week.

Given the short duration of discharge between the exceedance on September 18<sup>th</sup> and the stop of the discharge in the receiving environment on September 22<sup>nd</sup>, Agnico is confident that the aquatic environment was protected and not impacted. Core receiving environment monitoring in Second Portage Lake has been collected and is ongoing and will confirm these findings.

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

Regards,

**Agnico Eagle Mines Limited – Meadowbank Division**

Robin Allard  
[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)  
Environmental Senior Coordinator

*CC: Jamie Quesnel – Agnico Eagle*





Canada

# NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

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EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>10-05-2017</b>	REPORT TIME <b>16:30</b>	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR <b>10-04-2017</b>	OCCURRENCE TIME <b>23:00</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>MEADOWBANK MINE SITE</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>04</b> SECONDS <b>17</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>00</b> SECONDS <b>50</b>		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE MINES LTD</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0X 0A0</b>		
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
<b>H</b>	PRODUCT SPILLED <b>HYDRAULIC OIL</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>165 LITERS</b>	U.N. NUMBER <b>N/A</b>	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
<b>I</b>	SPILL SOURCE <b>DRILL (RBD 04)</b>	SPILL CAUSE <b>BROKEN HOSE</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>20</b>	
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS <b>During the operation the drill head creep down and the hammer started percussing. At that time the hammer damaged hydraulic hose on the deck. The operator stopped the drill and placed the absorbents pads were put on the spill to contain it. A mechanic was called to repaired the hose and the pump. The contaminated material will be collected and disposed in the landfarm. There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is over 800 m. Spill location: Northing: 65°04'17" 96°00'50" Contact Information: Martin Archambault (819) 759-3555 Ext 6744</b>			
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<b>L</b>	REPORTED TO SPILL LINE BY <b>Martin Archambault</b>	POSITION <b>Sr Coordinator</b>	EMPLOYER <b>Agnico Eagle</b>	LOCATION CALLING FROM <b>Meadowbank</b>	TELEPHONE <b>8197593555</b>
<b>M</b>	ANY ALTERNATE CONTACT <b>Erika Voyer</b>	POSITION <b>General Supervisor</b>	EMPLOYER <b>Agnico Eagle</b>	ALTERNATE CONTACT LOCATION <b>Meadowbank</b>	ALTERNATE TELEPHONE <b>8197593555</b>

REPORT LINE USE ONLY

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

## October 5, 2017 Phaser Pit RBD04 spill

Please find the following information as a follow up to the Spill report submitted October 10<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill description

During the operation the drill head creep down and the hammer started percussing. At that time the hammer damaged hydraulic hose on the deck.

Spill location: Northing 65°04'17" Easting 95°00'50"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is over 800 m.



### Cause of spill

A hydraulic hose rupture was caused damage by the hammer movement on the hose.

### Remediation actions

The operator stopped the drill and placed the absorbents pads on the spill to contain it. A mechanic was called to repair the hose and the pump.

The contaminated material on the surface was collected and disposed to the landfarm. As the spill occurred on ore, another part was sent to the mill and processed.

### Corrective Measures

Hydraulic hoses were changed and the pump was repaired. Everything was inspected and no other leaks were observed once inspection was completed.

### Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on October 5<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Martin Archambault**  
**Environmental Senior Coordinator**

[martin.archambault@agnicoeagle.com](mailto:martin.archambault@agnicoeagle.com)

T: 819.759.3555 x6744

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

[agnicoeagle.com](http://agnicoeagle.com)



**AGNICO EAGLE**





Canada

# NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

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TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>10-09-2017</b>	REPORT TIME <b>17:00</b>	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	<b>REPORT NUMBER</b>  _____
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR <b>10-08-2017</b>	OCCURRENCE TIME <b>07:30</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>MEADOWBANK MINE SITE</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>01</b> SECONDS <b>44</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>02</b> SECONDS <b>55</b>		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0C 0A0</b>		
<b>G</b>	ANY CONTRACTOR INVOLVED <b>ARCTIC FUEL</b>	CONTRACTOR ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0C 0A0</b>		
<b>H</b>	PRODUCT SPILLED <b>DIESEL FUEL</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>150</b>	U.N. NUMBER <b>1202</b>	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
<b>I</b>	SPILL SOURCE <b>AFS TRUCK</b>	SPILL CAUSE <b>TANK OVERFLOW</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>15 m2</b>	
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS  <b>The employee was going up and down on the truck to check the levels of the compartments . When he went up to check the 6000 L compartment, he saw that it was at 10 inch from the top. He yelled to have the pump shut off. His co-worker was inside for checking the meter, with the noise coming from the truck and from the pump, his co-worker didn't heard him. The spill occurred in a lined area. All the contaminated material had been removed and loaded into a dump truck and will be hauled to MBK Landfarm.</b>  <b>There was no off-site impacts or discharge to any receiving watercourses.</b> <b>Spill location : Northing: 64'18'27" Easting: 95'56'58"</b>  <b>Contact information: Martin Archambault 819-759-3555 ext. 6744</b>			
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<b>L</b>	REPORTED TO SPILL LINE BY <b>Martin Archambault</b>	POSITION <b>Sr Coordinator</b>	EMPLOYER <b>Agnico Eagle</b>	LOCATION CALLING FROM <b>MEADOWBANK</b>	TELEPHONE <b>8197593555</b>
<b>M</b>	ANY ALTERNATE CONTACT <b>Erika Voyer</b>	POSITION <b>General Supervisor</b>	EMPLOYER <b>Agnico Eagle</b>	ALTERNATE CONTACT LOCATION <b>MEADOWBANK</b>	ALTERNATE TELEPHONE <b>8197593555</b>

REPORT LINE USE ONLY

<b>N</b>	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**

## October 09<sup>th</sup>, 2017 FUEL TRUCK AFS spill at Baker Lake

Please find the following information as a follow up to the Spill report submitted October 9<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

An AFS employee was filling up a truck fuel at Baker Lake. The employee was going up and down on the truck to check the levels of the compartments. When he went up to check the 6000 L compartment, he saw that it was at 10 inch from the top. He yelled to have the pump shut off. His co-worker was inside for checking the meter, with the noise coming from the truck and from the pump, his co-worker didn't hear him. The spill occurred in a lined area.

All the contaminated material had been removed and loaded into a dump truck and hauled to MBK Landfarm.

### Spill location:

N 64°18'27"W 95°56'58"

There was no discharge to any receiving watercourses. The distance to the closest lake is estimated at 300 m.

### Cause of Spill

The incident occurred when the truck tank got overfill. Human error and a poor communication between the workers are the main causes for this spill.

## Remediation Actions

The pump was stopped and the operator placed the absorbents pads on the spill to contain it. They have called a loader to scrape the contaminated soil.



## Corrective measures

All the contaminated soil was scrapped and brought to the Meadowbank landfarm (about 3 m<sup>3</sup>). A meeting was held with the contractor. They reviewed the procedure and some modifications will be done.



## Subsequent follow-ups and information

We trust that the above details described appropriately the spill incident that occurred on the Meadowbank property on October 09<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Martin Archambault**  
**Environmental Senior Coordinator**

[martin.archambault@agnicoeagle.com](mailto:martin.archambault@agnicoeagle.com)

T: 819.759.3555 x6744

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

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**AGNICO EAGLE**





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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>10-11-2017</b>	REPORT TIME <b>9:00</b>	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	<b>REPORT NUMBER</b>  _____
	OCCURRENCE DATE: MONTH – DAY – YEAR <b>10-10-2017</b>	OCCURRENCE TIME <b>10:30</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>MEADOWBANK MINE SITE</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>04</b> SECONDS <b>17</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>00</b> SECONDS <b>50</b>		
	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0X 0A0</b>		
<b>H</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
	PRODUCT SPILLED <b>HYDRAULIC OIL</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>200</b>	U.N. NUMBER <b>N/A</b>	
<b>I</b>	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
	SPILL SOURCE <b>BAC 13</b>	SPILL CAUSE <b>HOSE FAILURE</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>25 m2</b>	
<b>J</b>	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  <b>During operations in Phaser Pit, the operator of backhoe 13 noticed that a leak of Oil. The operator immediately stopped the engine. The contaminated material on the pad will be collected and disposed of in the landfarm.</b>  <b>Spill location: Northing 65°04'14.9" W 96°00'45.1"</b>  <b>Contact Information: Martin Archambault (819) 759-3555 Ext 6744</b>			

<b>L</b>	REPORTED TO SPILL LINE BY <b>Martin Archambault</b>	POSITION <b>Sr Coordinator</b>	EMPLOYER <b>AgnicoEagle</b>	LOCATION CALLING FROM <b>Meadowbank</b>	TELEPHONE <b>8197593555</b>
	ANY ALTERNATE CONTACT <b>Erika Voyer</b>	POSITION <b>General Supervisor</b>	EMPLOYER <b>Agnico Eagle</b>	ALTERNATE CONTACT LOCATION <b>Meadowbank</b>	ALTERNATE TELEPHONE <b>8197593555</b>

REPORT LINE USE ONLY

<b>N</b>	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**

## October 10<sup>th</sup>, 2017 Phaser Pit BAC13 spill

Please find the following information as a follow up to the Spill report submitted October 10<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

During operations, at Phaser pit, the operator of backhoe 13, noticed a leak of oil. He stopped immediately the engine.

Spill location: Northing 65°04'14.9'' W 96°00'45.1''

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 1000 meters.



### Cause of Spill

The spill was caused by hose failure on the loading unit.

## Remediation Actions

The equipment engine was stopped immediately. The operator called mechanic department for the repair. A loader unit cleaned the surface affected and the contaminated material have been removed and brought to the landfarm area



## Corrective measures

The hoses and fittings are inspected as part of the preventive maintenance program done on site. Routine visual inspection of the hydraulic system is also performed during pre-operations checks.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on October 10<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.

**Martin Archambault**  
**Environmental Senior Coordinator**

[martin.archambault@agnicoeagle.com](mailto:martin.archambault@agnicoeagle.com)

T: 819.759.3555 x6744

Agnico Eagle Mines Limited  
Meadowbank Division  
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X0C 0A0

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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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR 10-28-2017	REPORT TIME 21:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE #		REPORT NUMBER -
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR 10-28-2017	OCCURRENCE TIME 06:30			
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-BL-14	WATER LICENCE NUMBER (IF APPLICABLE) NWB-2AM-MEA-1525			
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION MEADOWBANK MINE SITE		REGION <input type="checkbox"/> NT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION		
<b>E</b>	LATITUDE DEGREES 65 MINUTES 02 SECONDS 14		LONGITUDE DEGREES 96 MINUTES 03 SECONDS 58		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME AGNICO EAGLE MINES LTD	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION BAKER LAKE X0X 0A0			
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
<b>H</b>	PRODUCT SPILLED DIESEL	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 100 LITERS	U.N. NUMBER 1202		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
<b>I</b>	SPILL SOURCE FUEL TRUCK	SPILL CAUSE JAMMED NOZZLE	AREA OF CONTAMINATION IN SQUARE METRES 20 M2		
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
<b>K</b>	<b>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</b> While refuelling equipment for operations in Pit E5, the fuel nozzle release lever froze open and caused fuel to leak on the ground, resulting in a spill of 100 liters of diesel fuel. The contaminated material will be collected and disposed at the Meadowbank landfarm. There were no off site impacts or discharge to any receiving watercourses. Distance to the closest lake is estimated at 450 meters.  Spill location : Northing: 65'00'43" Easting: 96'03'20" on IOL Contact information : Robin Allard 819-759-3555 ext. 6744				
<b>L</b>	REPORTED TO SPILL LINE BY ROBIN ALLARD	POSITION SR COORDINATOR	EMPLOYER Agnico Eagle Mines	LOCATION CALLING FROM MEADOWBANK	TELEPHONE 8197593555
<b>M</b>	ANY ALTERNATE CONTACT ERIKA VOYER	POSITION GEN.SURPERVISOR	EMPLOYER Agnico Eagle Mines	ALTERNATE CONTACT LOCATION MEADOWBANK	ALTERNATE TELEPHONE 8677934610

REPORT LINE USE ONLY					
<b>N</b>	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/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> OTHER: _____		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**

## October 28<sup>th</sup>, 2017 Pit E5 TRK21

GN reference # : 2017-400

Please find the following information as a follow up to the Spill report submitted October 28<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

The fuel truck was refilling loading equipment in Pit E5 when upon finishing his filling work; the nozzle of the distributing hose froze.

Spill location: Easting 65'00'43" 96'03'20"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 450 meters.



## Cause of Spill

The spill was caused by freeze on the release system on the nozzle of the distributing hose of the fuel truck, during refilling operations.

## Remediation Actions

The ground was scrapped clean and all contaminated material was brought to the Landfarm.



## Corrective measures

Fuel nozzle is checked prior to starting refilling procedures, but can become frozen during operations with cold diesel fuel and operating conditions. A reminder was done concerning forecasting potential freeze on equipment by adapting practices and testing state of equipment.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on October 28<sup>th</sup> 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Robin Allard**  
**Environmental Senior Coordinator**

[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)

T: 819.759.3555 x6744

Agnico Eagle Mines Limited  
Meadowbank Division

**AGNICO EAGLE** 



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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>12-10-2017</b>	REPORT TIME <b>8:00</b>	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	<b>REPORT NUMBER</b>  <b>17 - 443</b>
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR <b>12-09-2017</b>	OCCURRENCE TIME <b>8:00</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>MEADOWBANK MINE SITE</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>04</b> SECONDS <b>17</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>00</b> SECONDS <b>50</b>		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0X 0A0</b>		
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
<b>H</b>	PRODUCT SPILLED <b>HYDRAULIC OIL</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>200</b>	U.N. NUMBER <b>N/A</b>	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
<b>I</b>	SPILL SOURCE <b>OIL TOTE</b>	SPILL CAUSE <b>PUNCTURED TOTE</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>15 m2</b>	
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS  <b>While trying to bring a tote from the oil pad to the maintenance shop, the operator punctured the bottom of the tote with the forklift fork. The oil spilled on the ground before being put on the secondary containment.</b>  <b>The contaminated material will be collected and disposed in the tailings (contaminated snow). There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is 500 meters</b> <b>Spill location: Northing 65°01'18.7" W 96°03'58.5"</b>  <b>Contact Information: Martin Archambault (819) 759-3555 Ext 6744</b>			
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<b>L</b>	REPORTED TO SPILL LINE BY <b>Martin Archambault</b>	POSITION <b>Sr Coordinator</b>	EMPLOYER <b>AgnicoEagle</b>	LOCATION CALLING FROM <b>Meadowbank</b>	TELEPHONE <b>8197593555</b>
<b>M</b>	ANY ALTERNATE CONTACT <b>Robin Allard</b>	POSITION <b>Sr Coordinator</b>	EMPLOYER <b>Agnico Eagle</b>	ALTERNATE CONTACT LOCATION <b>Meadowbank</b>	ALTERNATE TELEPHONE <b>8197593555</b>

REPORT LINE USE ONLY

<b>N</b>	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**

## December 9<sup>th</sup>, 2017, Hydrex Oil Spill (Report No 17-443)

Please find the following information as a follow up to the Spill report submitted December 10<sup>th</sup>, 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

While trying to bring a tote from the oil pad to the maintenance shop, the operator punctured the bottom of the tote with the forklift fork and the oil spilled on the ground.



Spill location: Northing 65°01'18.7" Easting 96°03'58.5" on IOL.

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 500 meters.

## Cause of Spill

The spill occurred when the operator of the forklift tried to manipulate a tote on the uneven ground. The forks of the equipment have punctured the tote at the bottom.

## Remediation Actions

When he saw the oil coming from the tote, the operator put the tote on the secondary containment. All the contaminated material (snow) was collected and disposed in the tailing.



## Corrective measures

A reminder was given to the operator to ensure that operation is safe when we handling tote. The operator must be confident that the forks are on the right place.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on December 9<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Martin Archambault**  
**Environmental Senior Coordinator**  
martin.archambault@agnicoeagle.com  
T: 819.759.3555 x6744

Agnico Eagle Mines Limited  
Meadowbank Division  
Baker Lake, Nunavut, Canada  
XOC OAO







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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>12-11-2017</b>	REPORT TIME <b>17:15</b>	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	<b>REPORT NUMBER</b>  <b>17-447</b>
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR <b>12-10-2017</b>	OCCURRENCE TIME <b>23:00</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>MEADOWBANK MINE SITE</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>04</b> SECONDS <b>32</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>00</b> SECONDS <b>30</b>		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0X 0A0</b>		
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
<b>H</b>	PRODUCT SPILLED <b>Coolant</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>400</b>	U.N. NUMBER <b>N/A</b>	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
<b>I</b>	SPILL SOURCE <b>Haul Truck</b>	SPILL CAUSE <b>Mechanical issue</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>40 m2</b>	
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS <b>A truck driver following another haul truck saw a leak coming from this truck. He called the other driver to mention him that leak. The driver stop the engine right away and he called the mechanic immediately. The contaminated material has been collected and disposed in the tailings (contaminated snow). There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is 600 meters  Spill location: Northing 65°04'32.1" W 96°00'29.9"  Contact Information: Martin Archambault (819) 759-3555 Ext 6744</b>			
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<b>L</b>	REPORTED TO SPILL LINE BY <b>Martin Archambault</b>	POSITION <b>Sr Coordinator</b>	EMPLOYER <b>AgnicoEagle</b>	LOCATION CALLING FROM <b>Meadowbank</b>	TELEPHONE <b>8197593555</b>
<b>M</b>	ANY ALTERNATE CONTACT <b>Robin Allard</b>	POSITION <b>Sr Coordinator</b>	EMPLOYER <b>Agnico Eagle</b>	ALTERNATE CONTACT LOCATION <b>Meadowbank</b>	ALTERNATE TELEPHONE <b>8197593555</b>

REPORT LINE USE ONLY

<b>N</b>	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**

## December 10<sup>th</sup>, 2017, Haul Truck Coolant Spill (Report No 17-447)

Please find the following information as a follow up to the Spill report submitted December 11<sup>th</sup>, 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

A truck driver following another haul truck saw a leak coming from this truck in front of him. He called the driver to let him know that he have a problem with his equipment.



Spill location: Northing 65°04'32.1" Easting 96°00'29.9" on IOL.

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 600 meters.

## Cause of Spill

The spill occurred after a radiator hose broken.

## Remediation Actions

As soon as his co-worker advice the driver that he have a leak coming from his haul truck, the operator stopped the engine and he called a mechanic to fix the problem. All the contaminated snow has been collected and disposed in the tailing.



## Corrective measures

We have already a preventive maintenance program for all of our equipment. The hoses and fitting check are included in this maintenance. Pre-operational checks including a visual inspection are also done at the beginning of each shift.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on December 10<sup>th</sup>, 2017 and the cleanup activities. Please contact the undersigned should you have any questions.



**Martin Archambault**  
**Environmental Senior Coordinator**  
martin.archambault@agnicoeagle.com  
T: 819.759.3555 x6744

Agnico Eagle Mines Limited  
Meadowbank Division  
Baker Lake, Nunavut, Canada  
XOC OAO

**AGNICO EAGLE**





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

<b>A</b>	REPORT DATE: MONTH – DAY – YEAR <b>12-14-2017</b>	REPORT TIME <b>21:00</b>	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	<b>REPORT NUMBER</b>  _____
<b>B</b>	OCCURRENCE DATE: MONTH – DAY – YEAR <b>12-14-2017</b>	OCCURRENCE TIME <b>15:00</b>		
<b>C</b>	LAND USE PERMIT NUMBER (IF APPLICABLE) <b>KIOL-BL-14</b>	WATER LICENCE NUMBER (IF APPLICABLE) <b>NWB-2AM-MEA-1525</b>		
<b>D</b>	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION <b>MEADOWBANK MINE SITE</b>	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
<b>E</b>	LATITUDE DEGREES <b>65</b> MINUTES <b>02</b> SECONDS <b>14</b>	LONGITUDE DEGREES <b>96</b> MINUTES <b>03</b> SECONDS <b>58</b>		
<b>F</b>	RESPONSIBLE PARTY OR VESSEL NAME <b>AGNICO EAGLE MINES LTD</b>	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION <b>BAKER LAKE X0X 0A0</b>		
<b>G</b>	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
<b>H</b>	PRODUCT SPILLED <b>WINDSHIELD WASHER FLUID</b>	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <b>150 LITERS</b>	U.N. NUMBER <b>1986</b>	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
<b>I</b>	SPILL SOURCE <b>TOTE</b>	SPILL CAUSE <b>VALVE</b>	AREA OF CONTAMINATION IN SQUARE METRES <b>7 M3</b>	
<b>J</b>	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT	

<b>K</b>	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS  <b>While filling up equipment with windshield washer fluid, the valve of the dispensing tote hose broke open and caused fluid to be spilled on the ground. The remainder of the liquid left in the damaged tote was transferred to another container and all contaminated material/snow on the ground was collected and brought to the Tailings Storage Facility.</b> <b>There were no off site impacts or discharge to any receiving watercourses. Distance to the closest lake is estimated at 1050 meters.</b>  <b>Spill location : Northing: 65°03'48" Easting: 95°59'36" on IOL</b>  <b>Contact information : Robin Allard 819-759-3555 ext. 6744</b>			
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<b>L</b>	REPORTED TO SPILL LINE BY <b>ROBIN ALLARD</b>	POSITION <b>SR COORDINATOR</b>	EMPLOYER <b>Agnico Eagle Mines</b>	LOCATION CALLING FROM <b>MEADOWBANK</b>	TELEPHONE <b>8197593555</b>
<b>M</b>	ANY ALTERNATE CONTACT <b>M ARCHAMBAULT</b>	POSITION <b>SR COORDINATOR</b>	EMPLOYER <b>Agnico Eagle Mines</b>	ALTERNATE CONTACT LOCATION <b>MEADOWBANK</b>	ALTERNATE TELEPHONE <b>8677934610</b>

REPORT LINE USE ONLY					
<b>N</b>	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**

## December 14<sup>th</sup>, 2017 Vault Camp

GN reference # : 2017-448

Please find the following information as a follow up to the Spill report submitted December 14<sup>th</sup> 2017 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-MEA1525, Part H, Item 8c.

### Spill Description

While filling up equipment with windshield washer fluid, the valve of the dispensing tote hose broke open and caused fluid to be spilled on the ground.

Spill location: Easting 65'00'48" 95'59'36"

There were no off site impact or discharge to any receiving watercourses. The distance to the closest lake is estimated at 1050 meters.



## Cause of Spill

The spill was caused by the broken valve on the distribution line. With extreme cold conditions on site, the plastic valve broke during handling.

## Remediation Actions

The remainder of the liquid left in the damaged tote was transferred to another container and all contaminated material/snow on the ground was collected and brought to the Tailings Storage Facility.



## Corrective measures

The entire area was scrapped clean and the refilling system was cleared of snow to ensure proper usage of the dispenser. Crews were reminded that the system has to be use with caution and extra precautionary measures to be taken during extreme cold temperature to prevent damage to sensitive parts.

## Closure

We trust that the above details described appropriately the spill incident that occurred at the Meadowbank on December 14<sup>th</sup> 2017 and the cleanup activities. Please contact the undersigned should you have any questions.

**Robin Allard**  
**Environmental Senior Coordinator**

[robin.allard@agnicoeagle.com](mailto:robin.allard@agnicoeagle.com)

T: 819.759.3555 x6744

Agnico Eagle Mines Limited  
Meadowbank Division