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By Licensing Administrator at 11:16 am, May 06, 2011

Appendix E1

Document: *2010 Spill Reports*



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR		REPORT TIME		<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____-_____
	OCCURRENCE DATE: MONTH – DAY – YEAR		OCCURRENCE TIME			
C	LAND USE PERMIT NUMBER (IF APPLICABLE)			WATER LICENCE NUMBER (IF APPLICABLE)		
	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION				REGION <input type="checkbox"/> NWT <input type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E	LATITUDE			LONGITUDE		
	DEGREES	MINUTES	SECONDS	DEGREES	MINUTES	SECONDS
F	RESPONSIBLE PARTY OR VESSEL NAME		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION			
	ANY CONTRACTOR INVOLVED		CONTRACTOR ADDRESS OR OFFICE LOCATION			
H	PRODUCT SPILLED		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER	
	SECOND PRODUCT SPILLED (IF APPLICABLE)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER	
I	SPILL SOURCE		SPILL CAUSE		AREA OF CONTAMINATION IN SQUARE METRES	
	FACTORS AFFECTING SPILL OR RECOVERY		DESCRIBE ANY ASSISTANCE REQUIRED		HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS					
L	REPORTED TO SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLING FROM	TELEPHONE	
	ANY ALTERNATE CONTACT	POSITION	EMPLOYER	ALTERNATE CONTACT LOCATION	ALTERNATE TELEPHONE	

REPORT LINE USE ONLY

N	RECEIVED AT SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLED	REPORT LINE NUMBER
		STATION OPERATOR		YELLOWKNIFE, NT	(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					



Spill report

Environmental Department: Agnico Eagle Mines Ltd
Meadowbank, Nunavut, X0X 0A0
867.793.4610

DATE: February 15, 2010

SUBJECT: January 16th Fuel Tanker Accident

By: AEM Environmental department

Background/ Event

Due to blizzard and poor road conditions, a 40,000L tanker truck slipped off the road and rolled onto its side between the emulsion plant and the Meadowbank mine site (km 103). A code-one was called on the radio and immediately two AEM surface operation employees rushed to the scene and assisted the Arctic Fuel Inc driver. The trailer of the tanker had rolled off the road and onto its' side at the base of a hill. Due to the pressure of the roll-over, the top refueling hatches were released and fuel was spilling out. The AEM first responders quickly sealed the hatches. The emergency response team and environmental staff were mobilized. The integrity of the tanker remained intact with a small continuous leak near a release valve. This was determined to be the only active hydrocarbon spill source.

AEM environmental staff contained the area near the release valve with emergency containment berms (see photos) and recovered most of the fuel with absorbent pads or buckets which were transferred to a large cube ~100 gallon storage containers. At this time, the scene was controlled and the ERT leaders coordinated the involvement of the operations staff to bring an excavator and crushed gravel to the scene to construct a secondary containment berm. There was an attempt to pump fuel from the rear release valve, but this was not successful. Instead, two 4 inch holes were cut on the side of the tanker (given that the truck was on its' side, this was the *top* of the tanker) and pumps were set-up with the help of the construction group. During this time, a secondary containment berm was constructed as a contingency (see photos) incase the integrity of the tank did not remain intact. Suction pumps were used to remove the fuel inside the rolled-over tanker and placed in another tanker truck that was parked on the road nearest to the accident site. The fuel pumping and transfer process took nearly 8 hours to complete. Most of the fuel from the truck was transferred to another tanker truck. A total of 38,850 L was recovered.

Environmental Response and Clean-up

Due to the quick response of the first responders, ERT and environmental staff, it is conservatively estimated that approximately three quarters (~800L) of the 1127 L were spilled into the nearby snow from the released top hatches (see photos). Much of the remaining fuel was collected by environmental staff, and the only persistent leak was contained with the use of HDPE yellow emergency spill berms. Most of the release valve spillage was collected in buckets inside the yellow emergency berm and placed in an ~100 gallon cube containers. The remainder was collected in spill rags and placed in yellow hazmat HDPE bags. Much of the snow around the release valve was also cleaned up by hand and placed in HDPE bags. The spill was called into the GN spill reporting hotline at about 9am by AEM. A complete report was submitted shortly thereafter at 11:00am. Although the spill report volume was 1127L, it was unlikely that this was the actual spill volume, as most of this quantity was collected with buckets or absorbed with spill rags.

The following day (January 17th), the tanker was lifted with cranes and set upright on the road (see photos). It was evident that the tanker was not punctured or penetrated from the impact of the roll-over and thus confirmed that the identified source of contamination was limited to the release valve (and initially, from the hatches). The snow inside of the secondary containment berm was excavated and placed in containment cells at the Meadowbank mine site (see photos). Surface soil inside the secondary containment berm was also excavated and sends to the quarry 22.

Once this was done, diesel odor was still perceptible. After some try to remove the rest of the contamination with the mechanical shovel, we realize, it was impossible to dig deeper to make a good recovery, because the ground is frozen. It was decided to blast the bottom of the excavation to take out the remaining contaminated soil. The blast took place on February the 13th and went six feet under the previous excavation. The blasted soil was excavated and sends to the quarry 22. No more contamination and diesel odor was detected. Composite samples were taken in the bottom of the excavation as well as on the side and will be analyzed.

Preventives measures

To avoid another accident at this emplacement, AEM enlarged the road at the top off the hill (photo No19). Truck driver will have more space and it will allow them to take more speed going into the hill.

Photos: Taken on January 16th and 17th.



Photo No 1: 40,027L fuel truck flipped on its side; fuel transfer pumps in foreground; note poor visibility



Photo No 2 : Top hatches that were immediately secured



Photo No 3 : Secondary berm constructed with the large excavators



Photo No 4 : ERT organizing pumps to transfer to another tanker; berm in foreground constructed of local muck and lined with $\frac{3}{4}$ inch gravel on the inside



Photo No 5 : Yellow insta-berm, absorbent pads and buckets used to contain and recover leaking release valve. No other apparent spills.



Photo No 6 : ERT setting up pumps; note the difficult weather conditions

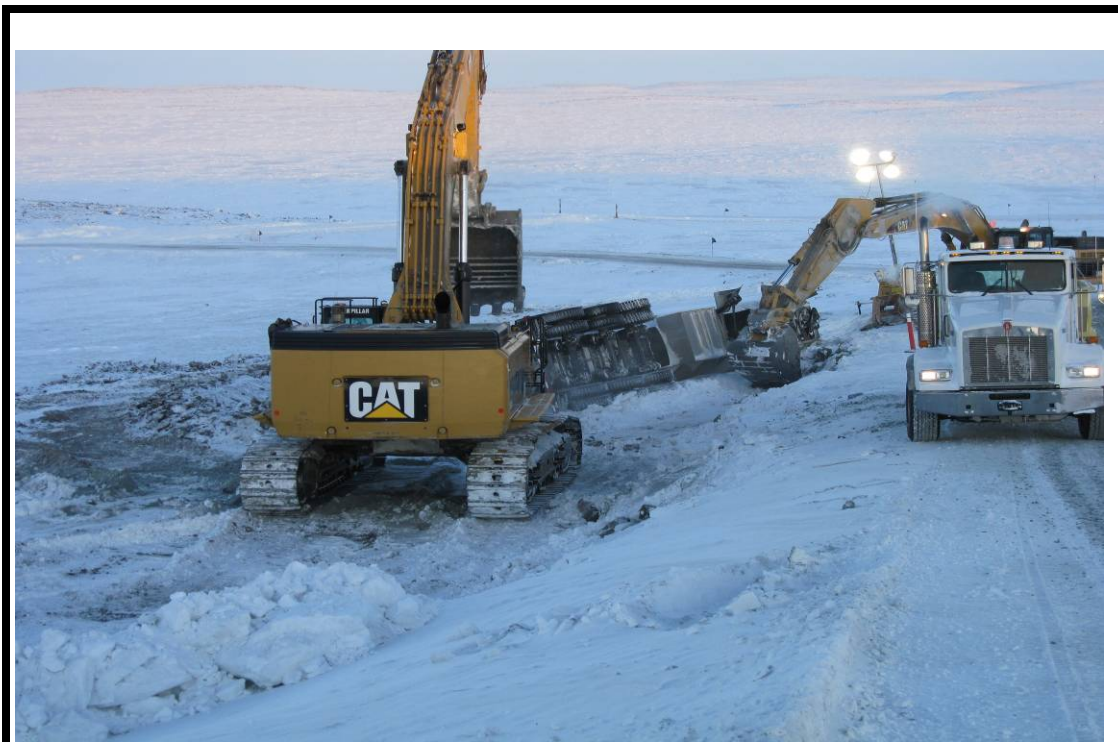


Photo No 7 : January 17th tanker recovery



Photo No 8: Secondary containment berm and HDPE hazardous spill bags



Photo No 9 : Top hatches



Photo No 10 : Drilled hole on the side of the tanker



Photo No 11 : Dents at front of tanker



Photo No 12 : Dents at rear of the tanker; no punctures



Photo No 13 : Drilled hole used to pump and recover fuel.

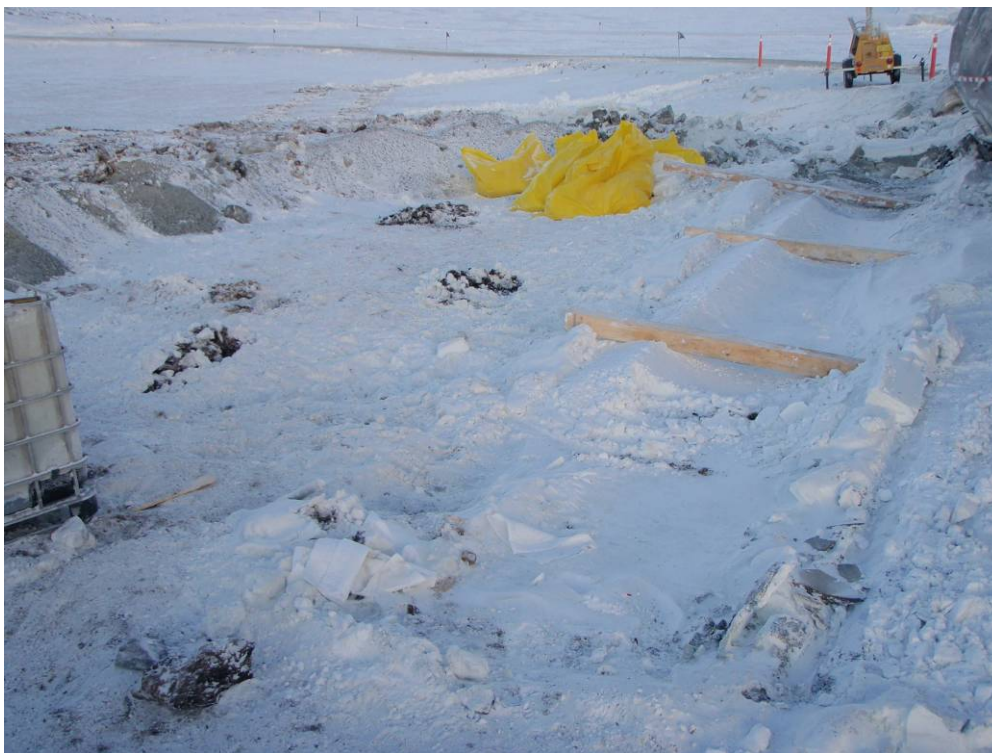


Photo No 14 : Site after the removal of the tanker



Photo No 15 : Snow and soil excavation in the evening of January 17th



Photo No 16 : Snow and soil clean-up



Photo No 17 : Snow and soil clean-up



Photo No 18 : Material removed from the site of the accident.



Photo No 19 : Spill site right after the blast, February 13th 2010



Photo No 20 : Excavation after blast and clean up February 13th, 2010



Photo No 19 : Road enlargement February 13, 2010



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR 01-26-2010		REPORT TIME 16H30		<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
B	OCCURRENCE DATE: MONTH - DAY - YEAR 01-24-2010		OCCURRENCE TIME 11h00			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-B14			WATER LICENCE NUMBER (IF APPLICABLE) NWA 2AM-MEA0815		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meadowbank Division				REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E	LATITUDE DEGREES 65 MINUTES 01 SECONDS 33		LONGITUDE DEGREES 96 MINUTES 04 SECONDS 01			
F	RESPONSIBLE PARTY OR VESSEL NAME Agnic-Eagle Mines Limited		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Baker Lake; X0X 0A0			
G	ANY CONTRACTOR INVOLVED		CONTRACTOR ADDRESS OR OFFICE LOCATION			
H	PRODUCT SPILLED Hydraulic oil		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 200 liters		U.N. NUMBER UN 1203	
	SECOND PRODUCT SPILLED (IF APPLICABLE)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER	
I	SPILL SOURCE Shovel RH40		SPILL CAUSE Hose broken		AREA OF CONTAMINATION IN SQUARE METRES 10m2	
J	FACTORS AFFECTING SPILL OR RECOVERY None		DESCRIBE ANY ASSISTANCE REQUIRED N/A		HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT None	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS Hydraulic hose busted and created a spill. The spill has been stopped and a containment pond (Insta Bern) and absorbents was installed to avoid contaminated more soils. All the contaminated soil has been recovered and bring at the contaminated soil storage location.					
L	REPORTED TO SPILL LINE BY Sylvain Doire	POSITION Enviro Coordinator	EMPLOYER AEM	LOCATION CALLING FROM Meadowbank	TELEPHONE (867)793-4610	
M	ANY ALTERNATE CONTACT Stephane Robert	POSITION Enviro Superintendent	EMPLOYER AEM	ALTERNATE CONTACT Meadowbank	ALTERNATE TELEPHONE (819)763-0229	
REPORT LINE USE ONLY						
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130	
LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC			SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED	
AGENCY		CONTACT NAME		CONTACT TIME		REMARKS
LEAD AGENCY						
FIRST SUPPORT AGENCY						
SECOND SUPPORT AGENCY						
THIRD SUPPORT AGENCY						



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR 02-16-2010		REPORT TIME		<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
	OCCURRENCE DATE: MONTH - DAY - YEAR 02-14-2010		OCCURRENCE TIME			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL BL-14		WATER LICENCE NUMBER (IF APPLICABLE) NWA 2AM-MEA0815			
	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meadowbank Division		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN			
E	LATITUDE DEGREES 65 MINUTES 01 SECONDS 33		LONGITUDE DEGREES 96 MINUTES 04 SECONDS 01			
	RESPONSIBLE PARTY OR VESSEL NAME AEM		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Baker Lake; X0X 0A0			
G	ANY CONTRACTOR INVOLVED		CONTRACTOR ADDRESS OR OFFICE LOCATION			
	PRODUCT SPILLED Hydraulic oil		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 240 liters		U.N. NUMBER UN 1203	
H	SECOND PRODUCT SPILLED (IF APPLICABLE)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER	
	SPILL SOURCE Blast drill		SPILL CAUSE Hose busted		AREA OF CONTAMINATION IN SQUARE METRES 8 m2	
I	FACTORS AFFECTING SPILL OR RECOVERY None		DESCRIBE ANY ASSISTANCE REQUIRED N/A		HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT None	
	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS Hydraulic hose broke and created a spill of hydraulic oil. All the contaminated soil has been collected and bring at the appropriate storage place.					
K						
L	REPORTED TO SPILL LINE BY Sylvain Doire	POSITION Enviro Coordinator	EMPLOYER AEM	LOCATION CALLING FROM Meadowbank	TELEPHONE (867) 793-4610	
	ANY ALTERNATE CONTACT Stephane Robert	POSITION Enviro Superintendent	EMPLOYER AEM	ALTERNATE CONTACT Meadowbank	ALTERNATE TELEPHONE (819) 763-0229	
REPORT LINE USE ONLY						
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130	
	LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC			SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
AGENCY		CONTACT NAME	CONTACT TIME	REMARKS		
LEAD AGENCY						
FIRST SUPPORT AGENCY						
SECOND SUPPORT AGENCY						
THIRD SUPPORT AGENCY						



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NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR 04-24-2010		REPORT TIME 7h30		<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
	OCCURRENCE DATE: MONTH - DAY - YEAR 04-20-2010		OCCURRENCE TIME 4h00			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL BL-14			WATER LICENCE NUMBER (IF APPLICABLE) NWA 2AM-MEA0815		
	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meadowbank Division				REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E	LATITUDE DEGREES 65 MINUTES 01 SECONDS 33			LONGITUDE DEGREES 96 MINUTES 04 SECONDS 01		
	RESPONSIBLE PARTY OR VESSEL NAME AEM		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Baker Lake; X0X 0A0			
G	ANY CONTRACTOR INVOLVED			CONTRACTOR ADDRESS OR OFFICE LOCATION		
	PRODUCT SPILLED Oil (Engine)			QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 210 Litres		U.N. NUMBER 210 Litres
H	SECOND PRODUCT SPILLED (IF APPLICABLE)			QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER
	SPILL SOURCE Loader			SPILL CAUSE Engine failure		AREA OF CONTAMINATION IN SQUARE METRES 10m2
J	FACTORS AFFECTING SPILL OR RECOVERY None			DESCRIBE ANY ASSISTANCE REQUIRED N/A		HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT None
	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS Engine on a loader failure (crack in the engine block) and all the oil inside was drop on the ground. All the contaminated soil has been recovered and bring at the contaminated soil storage location.					
L	REPORTED TO SPILL LINE BY Sylvain Doire		POSITION Enviro Coordinator		EMPLOYER AEM	LOCATION CALLING FROM Meadowbank
	TELEPHONE (867)793-4610					
M	ANY ALTERNATE CONTACT Stephane Robert		POSITION Enviro Superintendent		EMPLOYER AEM	ALTERNATE CONTACT Meadowbank
	ALTERNATE TELEPHONE (819)763-0229		LOCATION			
REPORT LINE USE ONLY						
N	RECEIVED AT SPILL LINE BY		POSITION STATION OPERATOR		EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT
	REPORT LINE NUMBER (867) 920-8130					
LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC				SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
AGENCY		CONTACT NAME		CONTACT TIME		REMARKS
LEAD AGENCY						
FIRST SUPPORT AGENCY						
SECOND SUPPORT AGENCY						
THIRD SUPPORT AGENCY						



Canada

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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

A	REPORT DATE: MONTH – DAY – YEAR 2010-04-29	REPORT TIME 6:30 am	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER _____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 2010-04-28	OCCURRENCE TIME 8:00 pm			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL BL-14	WATER LICENCE NUMBER (IF APPLICABLE) NWA 2AM-MEA0815			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meadowbank Division		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 65 MINUTES 01 SECONDS 33		LONGITUDE DEGREES 96 MINUTES 04 SECONDS 01		
F	RESPONSIBLE PARTY OR VESSEL NAME AEM	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Baker Lake; X0X 0A0			
G	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
H	PRODUCT SPILLED Oil (Engine)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 210 Litres	U.N. NUMBER		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
I	SPILL SOURCE Loader	SPILL CAUSE Engine failure	AREA OF CONTAMINATION IN SQUARE METRES 10 m2		
J	FACTORS AFFECTING SPILL OR RECOVERY None	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT None		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS The loader engine burst (the motor block have crack up) and all oil have drop on the ground. All contaminated soil have been recovered and as been send to contaminated soil storage location.				
L	REPORTED TO SPILL LINE BY Steve Gaudreault	POSITION Enviro technician	EMPLOYER AEM	LOCATION CALLING FROM Meadowbank	TELEPHONE (867)793-4610
M	ANY ALTERNATE CONTACT Stephane Robert	POSITION Enviro Superintendant	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meadowbank	ALTERNATE TELEPHONE (819)763-0229
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130
LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC			SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
AGENCY		CONTACT NAME	CONTACT TIME	REMARKS	
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					



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EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 05-16-2010		REPORT TIME 18:30		<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
	B	OCCURRENCE DATE: MONTH – DAY – YEAR 05-14-2010		OCCURRENCE TIME		
C		LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL-B14		WATER LICENCE NUMBER (IF APPLICABLE) NWA 2AM-MEA0815		
	D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meadowbank			REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E		LATITUDE DEGREES 65 MINUTES 01 SECONDS 33		LONGITUDE DEGREES 96 MINUTES 04 SECONDS 01		
	F	RESPONSIBLE PARTY OR VESSEL NAME Agnico-Eagle Mines		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Baker Lake; X0X 0A0		
G		ANY CONTRACTOR INVOLVED Talbon		CONTRACTOR ADDRESS OR OFFICE LOCATION		
	H	PRODUCT SPILLED Engine Oil		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 100L	U.N. NUMBER UN 1201	
I		SECOND PRODUCT SPILLED (IF APPLICABLE)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
	J	SPILL SOURCE 900L Oil Tote		SPILL CAUSE Punctured with skid steerer		AREA OF CONTAMINATION IN SQUARE METRES 5 meters
K		FACTORS AFFECTING SPILL OR RECOVERY		DESCRIBE ANY ASSISTANCE REQUIRED		HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT
	L	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS On May 14th a spill occurred in a seacan during transportation of a 900L tote. The tote was unintentionally punctured resulting in a spill. Approximately 800L were recovered by using absorbent and from that which remained in the tote. The seacan acted as a secondary containment area, however on May 16th (after the blizzard) oil was observed below the seacan. Approximately 100L that were found on the ground, and was recovered using absorbent.				
M		REPORTED TO SPILL LINE BY Ryan VanEngen		POSITION Env. Biologist	EMPLOYER AEM	LOCATION CALLING FROM Meadowbank
	N	ANY ALTERNATE CONTACT Stephane Robert		POSITION Env Superintendant	EMPLOYER AEM	ALTERNATE CONTACT Meadowbank
REPORT LINE USE ONLY						
N	RECEIVED AT SPILL LINE BY		POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130
	LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC			SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
AGENCY		CONTACT NAME		CONTACT TIME	REMARKS	
LEAD AGENCY						
FIRST SUPPORT AGENCY						
SECOND SUPPORT AGENCY						
THIRD SUPPORT AGENCY						



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FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 06-06-2010		REPORT TIME 17h30		<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 06-05-2010		OCCURRENCE TIME During the Night			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL BL-14			WATER LICENCE NUMBER (IF APPLICABLE) NWA 2AM-MEA0815		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meadowbank Division				REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E	LATITUDE DEGREES 65 MINUTES 01 SECONDS 33			LONGITUDE DEGREES 96 MINUTES 04 SECONDS 01		
F	RESPONSIBLE PARTY OR VESSEL NAME AEM		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Baker Lake; X0X 0A0			
G	ANY CONTRACTOR INVOLVED		CONTRACTOR ADDRESS OR OFFICE LOCATION			
H	PRODUCT SPILLED Diesel Fuel		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 150 litres		U.N. NUMBER 1202	
	SECOND PRODUCT SPILLED (IF APPLICABLE)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER	
I	SPILL SOURCE Drum (45 gallons)		SPILL CAUSE Hitted by machinery		AREA OF CONTAMINATION IN SQUARE METRES 16m2	
J	FACTORS AFFECTING SPILL OR RECOVERY none		DESCRIBE ANY ASSISTANCE REQUIRED N/A		HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT None	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS The drum has been hit and pierced by a vehicle during the night shift. All the contamination was recovered and disposed at the contaminated soil storage location.					
L	REPORTED TO SPILL LINE BY Sylvain Doire	POSITION Enviro Coordinator	EMPLOYER AEM	LOCATION CALLING FROM Meadowbank	TELEPHONE (867)793-4610	
M	ANY ALTERNATE CONTACT Stephane Robert	POSITION Enviro Superrintendan	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meadowbank	ALTERNATE TELEPHONE (819)763-0229	
REPORT LINE USE ONLY						
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130	
LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC			SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED	
AGENCY		CONTACT NAME	CONTACT TIME	REMARKS		
LEAD AGENCY						
FIRST SUPPORT AGENCY						
SECOND SUPPORT AGENCY						
THIRD SUPPORT AGENCY						



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 08-16-2010	REPORT TIME 19 h 30 PM	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 08-14-2010	OCCURRENCE TIME 18h00 PM		
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KIOL BL-14	WATER LICENCE NUMBER (IF APPLICABLE) NWA 2AM-MEA0815		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meadowbank Division		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E	LATITUDE DEGREES 65 MINUTES 01 SECONDS 33		LONGITUDE DEGREES 96 MINUTES 04 SECONDS 01	
F	RESPONSIBLE PARTY OR VESSEL NAME AEM	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Baker Lake; X0X 0A0		
G	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
H	PRODUCT SPILLED Oil (Engine)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 125	U.N. NUMBER UN 1201	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
I	SPILL SOURCE 45 Gallons drums	SPILL CAUSE Drums were damaged	AREA OF CONTAMINATION IN SQUARE METRES 12m2	
J	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS Two drums were damaged during transportation from Baker Lake to Meadowbank. The drums were inside a 20' seacan. The shipping container was emptied and spill pads were used to soak up and clean all the oil inside the container. Oil on the ground was absorbed with pads and all the contaminated soils was excavated.			
L	REPORTED TO SPILL LINE BY Sylvain Doire	POSITION Enviro Coordinator	EMPLOYER AEM	LOCATION CALLING FROM Meadowbank
M	ANY ALTERNATE CONTACT Stephane Robert	POSITION Env Superintendant	EMPLOYER AEM	ALTERNATE CONTACT Meadowbank
REPORT LINE USE ONLY				
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT
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			FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED	
CONTACT NAME		CONTACT TIME	REMARKS	
LEAD AGENCY				
FIRST SUPPORT AGENCY				
SECOND SUPPORT AGENCY				
THIRD SUPPORT AGENCY				

NT-NU SPILL REPORT

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FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 2010-10-06	REPORT TIME 07:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR	REPORT NUMBER -
B	OCCURRENCE DATE: MONTH – DAY – YEAR 2010-10-06	OCCURRENCE TIME 04:45	<input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVRW06F04	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEA0815		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION Meadowbank Road KM 22		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR	
E	LATITUDE DEGREES MINUTES SECONDS	LONGITUDE DEGREES MINUTES SECONDS		
F	RESPONSIBLE PARTY OR VESSEL NAME AGNICO-EAGLE MINES LIMITED	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Baker Lake X0X 0A0		
G	ANY CONTRACTOR INVOLVED Artic Fuel	CONTRACTOR ADDRESS OR OFFICE LOCATION Baker lake		
H	PRODUCT SPILLED Diesel fuel	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 40,000 L	U.N. NUMBER 1202	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
I	SPILL SOURCE Fuel truck	SPILL CAUSE Tanker Roll-over	AREA OF CONTAMINATION IN SQUARE METRES 250	
J	FACTORS AFFECTING SPILL OR RECOVERY None	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT Tanker	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS Due to slippery condition on the road, a 40,000L tanker truck slipped off the road and rolled on it's side, at km 22 just after the Bridge no 3. The tanker was located approximatively 200m of a stream. The emergency response team and environmental staff responded immediately. AEM contained this area with emergency berms and with two ponds. No fuel reach the stream. The fuel that was escaping from a hole in the tanker was directed directly in a pond and we pump the fuel in tanks. We recuperated 58,000 L of Fuel and water. The tanker was move around 18:00. We will begin to excavated the contaminated soil Thursday morning.			
L	REPORTED TO SPILL LINE BY Stéphane Robert	POSITION Enviro Superintendant	EMPLOYER AEM	LOCATION CALLING FROM Meadowbank
M	ANY ALTERNATE CONTACT Sylvain Doire	POSITION Enviro Coordinator	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meadowbank
ALTERNATE TELEPHONE 793-4610 x6728				

REPORT LINE USE ONLY

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

Spill report

DATE: October 28, 2010

SUBJECT: October 6th Fuel Tanker Accident

By: AEM Environmental department

Background/ Event

Wednesday, October 16 at 4:45 AM, due to slippery condition on the road, a tanker truck hauling fuel from Baker Lake to Meadowbank mine site rolled over off the road (Photo No 1) just after bridge #3 and just before Quarry 3 at KM 22 (N 64 30 019, W 096 07 451, IOL land parcel BL 18). The tanker truck was hauling 40,000L of diesel fuel to site. The vehicle is owned by AEM however the drivers are under contract with Arctic Fuels in Baker Lake. The tank was damaged on a rock and the fuel was leaking on the ground.

Spill occurred approximately 80 meters north of unnamed river on a hillside with a downward slope of 10-15% towards the river.



AEM emergency response team and the environmental staff arrived immediately on-site (7:00 am) to contain the spill. AEM caught the diesel building a berm and with two ponds lined with tarps (photo No 2). One pond to recover the fuel directly where is escaping from the tank and another at 35 meters down

slope from the leak before it can reach the water in the river. Booms were installed in the river, five meters from the shore by prevention (photo No 4). We installed two pumps, one in each pond. The liquid pumped from both ponds was transfer directly in another tanker truck of 40,000 L (photo No 3). With this method, we estimate that 37,000 L of fuel was recovered. Therefore approximately 3,000 L were spill in the environment. We begun to excavate the contaminated soil during the afternoon and 210 tons of material was removed and store in the quarry #6. We observed then we have around 30 to 60 centimetres of overburden and the contamination run directly under the soil to infiltrate the fractured bedrock. A fault caught the majority of the product. The second pond was made to stop the progression of the fuel in that fault. In total 48,000 litres of fuel and water has been pumped during that first day of intervention (photo No 6). The tanker was moved from the accident site around 18:00.

Thursday, October 7, The first pond (used to recover the fuel escaping from the tanker) was empty but we had contaminated water in the second (natural water drainage). We pumped approx 500 litres from the second pond to the white reservoir. To reduce the risk to have the diesel in the river, we made the emphasis to excavate the contaminated soil during that day (photo No 6). The work was difficult because the excavation was directly in the fractured bedrock. We didn't have enough room in the quarry #6 and we needed to use the quarry #5 to store the contaminated soil. This quarry is dry and nearer from the spill site. That will help to make the excavation faster and automatically reduce the risk to provide the contamination in the river. We removed 810 tons of material during that day. The soil was disposed on blue tarps to avoid contaminating the ground of the bottom of the quarry. We left the site at 8h30 PM and the situation was under control, no contamination in the water.

Friday, October 8, AEM environmental department arrived on the spill site a 7h00 AM. We immediately noticed sheen on the surface on the water between the boom and the shore. We realized then the booms saturated by fuel let's a small sheen going in the river and we observed a little bit of sheen under the bridge, caught in the rock and the material in the shallow water. We immediately installed three maritime barriers. The first one at five meters from the shore and two others on each side of the bridge (east and west) (photo No 7). We placed more booms and absorbent pads inside the barriers and under the bridge by prevention to catch any potential contamination going in the water. The excavation started at 7h00 AM recovered 810 tons of contaminated rocks. In the afternoon, we used a canoe to inspect the river trying to find out if the contamination going further. No contamination was found. We applied a boom in a channel located approximately at 200 meters from the bridge for a prevention measure. Two trenches of 5 meters wide has been dig at 7.5 meters to the shore to catch the contamination before it can reach the water. The water from the river entered inside them, reversing the water gradient, a supplementary security to avoid contamination in the river. Fuel (limited amount of free phase product) was immediately observed on the surface of the water inside the trenches. Those trenches will be keeping like observation wells. We did not observed any dead fish in the stream. Also no birds were affected by the spill.

Saturday October 9, on the spill site at 7H00 the ice covered the water surface. We broke the ice close to the shore and under the bridge and we observed a small sheen inside our maritime barriers.

We changed the booms and absorbents who trap the contamination the day before. The excavation continued, 885 tons of contaminated rock was removed.

Sunday October 10, we still needed to break the ice to see if we have contamination in the water. Small sheen was found under the bridge inside our maritime barriers. We changed all the booms and absorbents. The excavation continued, 1200 tons of contaminated rock was removed.

Monday October 11, The excavation area is defined following the contamination external limit (Photo No 8). We cannot go deeper (deepest place is 21 feet). We still have sheen in the water in the bottom of the excavation. 895 tons of rock was excavated.

Tuesday October 12, because the weather, the road was close and nobody can go on the spill site.

Wednesday October 13, sheen was observed in the river along north shore and under bridge and changed all the boom and absorbents inside the maritime barrier. We had the visit of INAC (Henry Kablalik lands inspector), GN (Russel Toolooktook) and KIA (Stephen Hartman, Jeff Tulugak and Simeon Miggunkwak). One test pits was excavated along river edge and directly down gradient of spill site near the abutment of the bridge. No odours in the soils however free phase product accumulated on the surface of the water. More excavation will have to be done between the abutment of the bridge and the first ditch.

Thursday October 14, we began to remove the material in the area near the abutment of the Bridge 1 (Photo No 9). The material not contaminated was put back into the Northeast wall of the large excavation. A ditch was done between the abutment of the bridge and the first ditch. We began to excavate and reach the water, odours of fuel are noted. A small sheen is noted under the bridge, recuperated with booms.

Friday October 15, we continued the excavation of the contaminated soil (75 tons was removed) (Photo No 10). Odours of fuel are still noted. A small sheen was observed under the bridge, recuperated with booms. Visit of the KIA (Simeon Miggunkwak).

Saturday October 16, we finish the excavation to the bedrock and pump 5250 litres of contaminated water at the surface of the water. We continued to backfill the Northeast wall of the large excavation with rock from the quarry 3. No sheen was noted on the river. Small odours of fuel near the excavation.

Sunday October 17, 16,850 liters of water has been pumped in the pond inside the large excavation and 1000 litres of water in the trench near the abutment of the bridge. We block the channel between the North pond and the South pond to avoid the movement between the two ponds. No sheen was noted on the river. No odours of fuel near the excavation.

October 18 and 19. Because the excavation is done and a lot of water has been pumped out of trenches and ponds, AEM stopped the work to analyse the situation, trying to find the appropriate solution to conclude and how to manage the contamination still in the area of the spill.

Wednesday October 20, Visit of the KIA (Simeon Miggunkwak and Stephen Hartman). A decision was made to pump and treat the water presents in the trenches and ponds.

Thursday October 21 to Monday 25, AEM work to build a water treatment. An oil separator installed inside a heated seacan will recover the contamination (photo No 11). To avoid having an effluent, the water needs to be conserving inside the excavation done. The water will be pump in recirculation, passing through the oil separator and returning inside the ponds.

We completed the excavation work on October 23 and 24. We remove the pad we did for the fuel pumping and transfer and the accident area (where the tractor was). 225 tons was recovered.

On Monday we observed that the treatment of the water is slow but efficient. We apply absorbents pads inside the oil separator and in the ponds inside the excavation to accelerate the recovery (photo No12 and No 13).

KIA asked to dig another test pit on the east side of the bridge. This pit will conclude on the limit of contamination. Also, KIA and AEM established 4 sampling station on the river. This sampling was completed October 22.

Some facts:

After the decantation in the tanker truck used to recover the contamination during the first intervention, we are able to evaluate then a total of 37,000 liters of diesel was recovered.

During the first week, around 25 peoples were involved in the clean-up (AEM: 6 Emergency Response members, 1 road supervisor, 2 road workers, 4 environment members BLCS: 2 shovel operators, 5 labors, 6 trucks drivers). During the second week, around 11 peoples were involved in the clean-up (AEM: 1 road supervisor, 1 shovel operator, 4 environment members BLCS: 1 shovel operators, 2 labors, 2 trucks drivers). For the third week, two persons from the environmental department, two labors from BLCS, 1 shovel operator and 2 trucks drivers were involved.

We pumped 34,100 litres of fuel and contaminated water. The water and fuel pumped from the different ponds and ditches were sending in 1,050 litres totes to Meadowbank to be treated.

The fuel with a little bit of water was send to BLCS to be recovered and will be reuse by BLCS.

The quantity of soil removed and send to quarry 5 and 6 is estimated at 5050 t.

Conclusion and recommendations:

Sheen of fuel is still observed in the water presents in the ponds and trench. We dug the ground until the possible limit. After an analysed of the situation with KIA, we concluded that the only solution was to pump and treat the water in close circuit. The plan now is to continue the water treatment and observing the efficiency until the weather will permits. When the treatment will stop an evaluation with the KIA will be done on the next steps.



Photo No 1: Accident of a tanker truck of 40,000L of fuel. The truck rolled over on the road's side.



Photo No 2 : General view of the first intervention. We can see the two ponds.



Photo No 3 : View of the first pond where the fuel leaching from the tanker was pumped directly in another 40,000 L tanker truck.



Photo No 4 : Booms installed in the river to prevent the river contamination.



Photo No 5 : General view at the end of the first day of the intervention. The area of the spill was secured.



Photo No 6 : Excavation during October 7.



Photo No 7 : Maritime barriers were installed under the bridge.



Photo No 8 : Reach the bottom of the excavation .



Photo No 9 : Beginning of the excavation between the bridge abutment and the first ditch.



Photo No 10 : Excavation between the abutment of the bridge and the first ditch.



Photo No 11 : Inside the heated seacan where the oil separator is installed.



Photo No 12: Absorbents pads placed in the oil separator to help the contamination recovery.



Photo No 13 : Spill area on October 25. Water is treating in recirculation.



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REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 2010-10-11		REPORT TIME 13:20	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER -
	OCCURRENCE DATE: MONTH – DAY – YEAR 2010-10-11		OCCURRENCE TIME 00:30		
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL08D280		WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEA0815		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION Meadowbank camp			REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR	
E	LATITUDE DEGREES MINUTES SECONDS		LONGITUDE DEGREES MINUTES SECONDS		
F	RESPONSIBLE PARTY OR VESSEL NAME AGNICO-EAGLE MINES LIMITED		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Baker Lake X0X 0A0		
G	ANY CONTRACTOR INVOLVED None		CONTRACTOR ADDRESS OR OFFICE LOCATION None		
H	PRODUCT SPILLED Propylene Glycol		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 1,800 L	U.N. NUMBER	
	SECOND PRODUCT SPILLED (IF APPLICABLE)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
I	SPILL SOURCE Glycol heating system		SPILL CAUSE pipe broke	AREA OF CONTAMINATION IN SQUARE METRES	
J	FACTORS AFFECTING SPILL OR RECOVERY None		DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS At approximately 12:30 one of the propylene glycol lines for the heat system broke in one of the rooms in wing 5. Glycol leak on the ground underneath the camp. The contaminated soil will be recuperated and bring to the quarry 22.				
L	REPORTED TO SPILL LINE BY Stéphane Robert	POSITION Enviro Superintendant	EMPLOYER AEM	LOCATION CALLING FROM Meadowbank	TELEPHONE 819-763-0229
M	ANY ALTERNATE CONTACT Sylvain Doire	POSITION Enviro Coordinator	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meadowbank	ALTERNATE TELEPHONE 793-4610 x6728
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY	POSITION Station operator	EMPLOYER	LOCATION CALLED Yellowknife, NT	REPORT LINE NUMBER (867) 920-8130
LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC			SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
AGENCY		CONTACT NAME	CONTACT TIME	REMARKS	
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					

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EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 2010-10-29	REPORT TIME 14:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR		REPORT NUMBER -
B	OCCURRENCE DATE: MONTH – DAY – YEAR 2010-10-29	OCCURRENCE TIME 14:10	<input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT		
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVRW06F04		WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEA0815		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION Meadowbank Road KM 101			REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR	
E	LATITUDE DEGREES 65 MINUTES 03 SECONDS 16.9		LONGITUDE DEGREES 96 MINUTES 08 SECONDS 43.8		
F	RESPONSIBLE PARTY OR VESSEL NAME AGNICO-EAGLE MINES LIMITED	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Baker Lake X0X 0A0			
G	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
H	PRODUCT SPILLED Diesel fuel ;	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 200 L	U.N. NUMBER 1202		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
I	SPILL SOURCE Fuel truck	SPILL CAUSE fuel truck went off road	AREA OF CONTAMINATION IN SQUARE METRES 20		
J	FACTORS AFFECTING SPILL OR RECOVERY None	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT Tanker		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS Due to slippery condition on the road, an 18,000L fuel truck slipped off the road and gets stuck in the mock without tipping on its side, at km 101. The truck's fuel tank (under driver's cab) gets puncture and spill in the mock. Environmental staff were the first on site and they responded immediately. AEM contained this area with peat moss absorbent and absorbent pads. All the fuel in the main tank was recovered. The fuel truck was moved around 11:00. We will begin to excavate the contaminated soil Sunday				
L	REPORTED TO SPILL LINE BY Stéphane Robert	POSITION Enviro Superintendent	EMPLOYER AEM	LOCATION CALLING FROM Meadowbank	TELEPHONE 819-763-0229
M	ANY ALTERNATE CONTACT Sylvain Doire	POSITION Enviro Coordinator	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meadowbank	ALTERNATE TELEPHONE 793-4610 x6728

REPORT LINE USE ONLY

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



Canada

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NT-NU 24-HOUR SPILL REPORT LINE

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FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR 2010-12-22	REPORT TIME 09:20	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR		REPORT NUMBER -
B	OCCURRENCE DATE: MONTH – DAY – YEAR 2010-12-22	OCCURRENCE TIME 08:00	<input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT		
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVPL08D280		WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MEA0815		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM THE NAMED LOCATION Meadowbank Mine			REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR	
E	LATITUDE DEGREES 65 MINUTES 01 SECONDS 33		LONGITUDE DEGREES 96 MINUTES 04 SECONDS 01		
F	RESPONSIBLE PARTY OR VESSEL NAME AGNICO-EAGLE MINES LIMITED	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Baker Lake X0X 0A0			
G	ANY CONTRACTOR INVOLVED None	CONTRACTOR ADDRESS OR OFFICE LOCATION None			
H	PRODUCT SPILLED Hydraulic oil	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 300 L		U.N. NUMBER UN 1203	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER	
I	SPILL SOURCE Shovel RH40	SPILL CAUSE Hose broken		AREA OF CONTAMINATION IN SQUARE METRES 10m2	
J	FACTORS AFFECTING SPILL OR RECOVERY None	DESCRIBE ANY ASSISTANCE REQUIRED		HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS Hydraulic hoses busted on the shovel RH40 in the South Portage Pit and created a spill. The contaminated soil will be recuperated and bring to the quarry 22.				
L	REPORTED TO SPILL LINE BY Stéphane Robert	POSITION Enviro Superintendant	EMPLOYER AEM	LOCATION CALLING FROM Meadowbank	TELEPHONE 819-763-0229
M	ANY ALTERNATE CONTACT Sylvain Doire	POSITION Enviro Coordinator	EMPLOYER AEM	ALTERNATE CONTACT LOCATION Meadowbank	ALTERNATE TELEPHONE 793-4610 x6728
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY	POSITION Station operator	EMPLOYER	LOCATION CALLED Yellowknife, NT	REPORT LINE NUMBER (867) 920-8130
LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC			SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
AGENCY	CONTACT NAME		CONTACT TIME	REMARKS	
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					