



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee	Licensee Representative
2BB-MEL1424	Jeffrey Pratt
Licence No. / Expiry	Representative's Title
July 21st, 2024	Environment Division
Land / Other Authorizations	Land / Other Authorizations
IOL	--
Date of Inspection	Inspector
April 10 th , 2017	WRO C. Wilson
Activities Inspected	
<div><input type="checkbox"/> Camp<input type="checkbox"/> Drilling<input type="checkbox"/> Mining<input type="checkbox"/> Construction<input type="checkbox"/> Reclamation<input type="checkbox"/> Fuel Storage</div> <div><input type="checkbox"/> Roads/Hauling<input checked="" type="checkbox"/> Other: Spill no. 17-103<input type="checkbox"/> Other:</div>	

SECTION 1	<input checked="" type="checkbox"/> Comments (s.1)	<input type="checkbox"/> Non-Compliance with Act or Licence (s. __)	<input type="checkbox"/> Action Required (s. __)
<p>Summary</p> <p>On April 8th, 2017 19:16 Agnico Eagle Gold Mines Limited ('AEM') submitted a NT-NU spill report form (see appendix 1) to the 24-hour spill line regarding a diesel fuel spill at the Meliadine Gold Project. Indigenous and Northern Affairs Canada ('INAC') was designated as lead agency on the file. The file was assigned to Water Resources Officer, Christine WILSON.</p> <p>On April 9th, 2017 13:36 WILSON contacted AEM Environment Department's ('Environment'), Senior Environmental Coordinator, Jeffrey PRATT requesting a follow up to the April 8th NT-NU spill form. The follow up (see appendix 2) stated that approximately 30 000 liters of diesel was spilled from a leak in a hose at the Meliadine Gold Project's, Fuel Tank Storage Facility. The follow up also included that no fuel had entered any fresh water systems.</p> <p>On April 10th, 2017 a joint onsite inspection of spill no.17-103 was conducted by WILSON and the Kivalliq Inuit Association's, Lands Inspector, Jeff TULUGAK. The following report was produced with the findings from that inspection (appendix 5).</p> <p>Observations</p> <ol style="list-style-type: none">The Meliadine all weather access road to the camp has been closed due to persistent poor weather conditions.Visibility is low and winds are gusting to 70km.The approximate spill location is 63° 1' 24.30"N, 92° 11' 8.00"W.On October 4th, 2016, at the same location, a 1188L diesel spill occurred (spill no. 2016-368)At 11:13 we meet with AEM representatives PRATT and Lonny SYRVET, Site Services, Energy and Infrastructure Division. Both representatives were present at the time of the spill.Other Environment staff currently on site, Philip ROY, and Randy SCHWANDT.The following is a summary of the events provided from PRATT and SYRVET;<ul style="list-style-type: none">On April 8th site services, AEM fuel truck driver; ('Driver') noticed a puddle of slushy fuel while present at the Fuel Tank Storage Facility ('tank farm').15:20 the Driver contacted Site Service's Supervisor, who determined a spill had occurred and contacted Environment's, ROY.15:40 ROY and SCHWANDT responded to the spill.ROY contacted PRATT to notify him that a reportable spill had occurred.15:50 the valves to tank 18 were closed.PRATT and SYRVET responded to the spill.Environment contacted construction to deploy heavy equipment to the spill area.Test pits were dug, down slope of the spill.The test pits were dug into the snow to tundra surface looking for the presence of fuel.The heavy equipment started scrapping up snow and moving it to the Meliadine Advance Exploration Landfarm Facility ('landfarm').19:17 the spill is reported to the NT-NU 24-hour spill reporting line, and INAC, ECCC, GN and KIA.Clean up efforts continued.Strong wind gusts have been moving snow into the excavation; the cleanup effort is on hold due to blizzard conditions.The spill source was a leaking hose hooked into the bottom valve of tank 18 (photo 4).The spill area extends from tank 18 (photo 1), down grade towards the bypass road (photo 5) and into the interception trench (appendix 3).The interception trench was constructed during the reclamation of spill no. 16-368.During the winter months fuel is drawn from only tank 18 (see photo 2 and 3), this is to limit the amount of snow removal in and around the fuel tanks.Tank 18 is filled through the top and a valve at the bottom is used for the loading of the fuel distribution trucks.Tank 18 has been drained completely and taken out of use. AEM has switched to a tank that uses a syphon style system. A syphon style tank uses a pump to draw fuel from the top to load the fuel distribution trucks.The fuel dispensary shack is currently not being used.Clean snow from the surface of the landfarm was removed with heavy equipment.The clean snow was used to create a wind guard around the landfarm facility. This was to decrease the amount of contaminated snow/soil mixture from leaving the facility (see photo 7).A detailed internal investigation is underway; an update will be provided by AEM this week.The contaminated snow/soil mixture in the landfarm is piled much higher than the berm walls; PRATT expressed concern with the landfarm capacity during freshet (see photo 6).The contaminated material will continue to be placed in the landfarm until a long term plan is determined.			



21. AEM has hired a third party contractor to consult on a strategy specifically for freshet and reclamation.
22. J5 appears to be the closes lake to the spill approximately 160m the south west (appendix 4 and appendix 5)

SECTION 2

☐ Comments (s.____)

☒ Non-Compliance with Act or Licence (s.2)

☐ Action Required (s.____)

At this time the inspector believes that no fuel has entered a nearby water body.

For the information of the proponent, the inspector has paraphrased pertinent sections of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act 2002, c. 10* ('the Act').

A complete version of the Act may be found at <https://www.canlii.org/en/ca/laws/stat/sc-2002-c-10/latest/sc-2002-c-10.html> (...)

Deposit of waste

- 12.** (1) Subject to subsection (2) and except in accordance with the conditions of a licence, no person shall deposit or permit the deposit of waste
- (a) in waters in Nunavut; or
 - (b) in any other place in Nunavut under conditions in which the waste, or any other waste that results from the deposit of that waste, may enter waters in Nunavut.

Exceptions

- (2) Subsection (1) does not apply in respect of
- (a) any unlicensed deposit of waste that is authorized by the regulations; or
 - (b) the deposit of waste in a national park.

Duty to report deposits

- (3) Where waste is deposited in contravention of this section, every person who owns or has the charge, management or control of the waste, or who caused or contributed to the deposit, shall, subject to the regulations, without delay report the deposit to an inspector. (...)

Powers of inspection

- 86.** (1) For the purpose of ensuring compliance with this Part, the regulations or a licence, an inspector may, subject to subsection (3), at any reasonable time,
- (a) enter any place in Nunavut in which the inspector believes, on reasonable grounds,
 - (i) a work is being constructed that, on completion, will form part of an appurtenant undertaking, or
 - (ii) any alteration or extension is being carried out on a work that forms part of an appurtenant undertaking;
 - (b) conduct such inspections of a work described in paragraph (a) as the inspector considers necessary in order to determine
 - (i) whether plans and specifications forming part of an application for a licence, filed with the Board by the person constructing the work, are being complied with, or
 - (ii) whether the alteration or extension of the work is likely to result in a contravention of any condition of a licence; and
 - (c) enter any place in Nunavut, except in a national park, in which the inspector believes, on reasonable grounds, that
 - (i) waters are being used,
 - (ii) there is being or has been carried out any process that may produce or has produced waste, or
 - (iii) there is any waste that may be added to waters,
- and, in that place, examine any works, waters or waste, open any container that the inspector believes, on reasonable grounds, contains any waters or waste, and take samples of any such waters or waste.

Books, records or documents

- (2) An inspector who enters any place under subsection (1) may examine and copy any books, records or documents in that place that the inspector believes, on reasonable grounds, contain any information relating to the object of the inspection or examination under that subsection.

Exception for dwelling-place

- (3) An inspector may not enter a place that is designed to be used and is being used as a permanent or temporary private dwelling-place.

Assistance to inspectors

- (4) The owner or person in charge of any place referred to in this section and every person found in the place shall give an inspector all reasonable assistance to enable the inspector to carry out the inspector's functions under this Part, and shall furnish the inspector with such information for purposes of the administration of this Part as the inspector may reasonably request. (...)

Remedial measures

- 87.** (1) An inspector may direct any person to take such reasonable measures as the inspector may specify, including the cessation of an activity, to prevent the use of waters or the deposit of waste or the failure of a work related to the use of waters or the deposit of waste, or to counteract, mitigate or remedy the resulting adverse effects, where the inspector believes, on reasonable grounds,
- (a) that
 - (i) waters have been or may be used in contravention of subsection 11(1) or of a condition of a licence,
 - (ii) waste has been or may be deposited in contravention of subsection 12(1) or of a condition of a licence, or
 - (iii) there has been, or may be, a failure of a work related to the use of waters or the deposit of waste, whether or not there has been compliance with any standards prescribed by the regulations or imposed by a licence; and
 - (b) that the adverse effects of that use, deposit or failure are causing, or may cause, a danger to persons, property or the environment.

Report to Minister

- (2) The inspector shall advise the Minister and the Board of any direction given under subsection (1).

Review by Minister

- (3) Where an inspector gives a direction to a person under subsection (1), the Minister may, and if so requested by the person shall, review the direction without delay, and after completion of the review may alter or revoke the direction.

Powers of inspector

- (4) Where a person fails to comply with a direction given under subsection (1), the inspector may take the measures referred to in that subsection and may, for that purpose, enter any place in Nunavut, other than a place that is designed to be used and is being used as a permanent or temporary private dwelling-place.

Recovery of Her Majesty's costs

- (5) Any portion of the reasonable costs incurred by Her Majesty in right of Canada under subsection (4) that is not recoverable from the security furnished and maintained under section 76 may be recovered as a debt due to Her Majesty from the person to whom the direction was given.

SECTION 3	<input type="checkbox"/> Comments (s.__)	<input type="checkbox"/> Non-Compliance with Act or Licence, (s.__)	<input checked="" type="checkbox"/> Action Required (s.3)
<div><div><div>-</div><div>The proponent will submit to the inspector a topographical map that includes the area of contamination (e.g.: route to landfarm, material storage...etc), nearby water bodies (e.g.: names of lakes and approximate distances), local infrastructure and date.</div></div><div><div>-</div><div>The proponent will submit to the inspector a record of tank inspection before and after spill no. 17-103.</div></div><div><div>-</div><div>The proponent will submit to the inspector the construction schedule for the Meliadine Gold Mine, landfarm facility and fuel farm facility associated with water licence no. 2AM-MEL1525.</div></div><div><div>-</div><div>The proponent will develop and submit a plan that addresses the immediate measure that will need to taken to contain the spill and contaminated snow. This plan should be submitted to the inspector as soon as it is available.</div></div></div> <p>At the time of the inspection it was clear that AEM was conducting a detailed investigation into the spill 17-103. A follow up inspection will be conducted by INAC once the information is better understood.</p>			

Licensee or Representative	Inspector's Name
	WRO C Wilson
Signature	Signature
	<i>Original signed on file</i>
Date	Date
	April 10 th , 2017

Office Use Only:	Follow-up report to be issued by Inspector	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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cc.

Erik Allain, Manager Field Operations, INAC
Jeff Pratt, Environmental Coordinator, AEM
Jamie Quesnel, Environmental Superintendent, AEM

Attached:

Photo Log, April 10th, 2017
Appendix 1- Spill Report no.17-103, 04.8.17
Appendix 2- Spill Report no. 17-103, Follow up, 04.09.17
Appendix 3- Document collected during the inspection Reference Picture, 04.10.17
Appendix 4- Reference Map, Water Shed 04.10.17
Appendix 5-Spill Reference Map 04.11.17



PHOTO LOG

Date:	Authorization Number:	Camera/Model:	Inspector
April 11 th , 2017	2BB-MEL1424	Sony DSC-HX50V Cyber shot	WRO Wilson
Photo No.		Lat/Long (DD.MM.SS.SS, NAD83)	
Photo 1		N63° 1' 23.00", W 92° 11' 7.5"	



Description:
Looking North from Bypass road: Source (Tank 18) and general area of excavation.



Locations name:		Lat/Long (DD.MM.SS.SS, NAD83)
Photo 2		N/A



Description	
Looking East: Source (Tank 18), fuel transfer location, general area of spill.	



Locations name:		Lat/Long (DD.MM.SS.SS, NAD83)
Photo 3		N/A



Description	
Looking North North West: Tank 18	



Locations name:

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 4

N63° 1' 38.33", W 92° 12' 29.11"



Description

Looking West: Source (tank 18), valve and hose system.



Locations name:

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 5

N63° 1' 34.78", W 92° 12' 31.77"



Description

Looking South from tank 18: Excavated area and bypass road.



Locations name:

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 6

N63° 1' 25.94", W 92° 11' 10.24"



Description

Looking North west: Contaminated snow/ soil material in Meliadine Advance Exploration Landfarm.



Locations name:

Lat/Long (DD.MM.SS.SS, NAD83)

Photo 7

N63° 1' 26.28", W 92° 11' 9.38"



Description

Looking North North West: Snow block



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR 04-08-2017	REPORT TIME 19:10	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 17-103
B	OCCURRENCE DATE: MONTH - DAY - YEAR 04-08-2017	OCCURRENCE TIME 15:40			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVCL102j168	WATER LICENCE NUMBER (IF APPLICABLE) 2BB-MEL1424			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Project		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 63 MINUTES 1 SECONDS 24		LONGITUDE DEGREES 92 MINUTES 11 SECONDS 7		
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines LTD	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut XOC OGO			
G	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
H	PRODUCT SPILLED Diesel Fuel	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES UNKNOWN	U.N. NUMBER 1202		
	SECOND PRODUCT SPILLED (IF APPLICABLE) NA	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES NA	U.N. NUMBER NA		
I	SPILL SOURCE Refueling Fuel Tank	SPILL CAUSE Human error	AREA OF CONTAMINATION IN SQUARE METRES Undetermined		
J	FACTORS AFFECTING SPILL OR RECOVERY Wind	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 At approximately 15:20PM workers went to the Meliadine Exploration Fuel farm to refuel the fuel tank. upon arriving the fuel driver noticed fuel mixed in the snow when he got out of the truck. after a short investigation he realized it was a large volume spill and immediately contacted Site Services supervisor. Site services supervisor went to inspect and called Environment department in the mean time to assist in the investigation. Source of spill has been controlled. Environment crew deemed this as a reportable spill. Contaminant efforts and cleanup are underway. Volume and Root cause are currently under evaluation and investigation. Currently there is be no indications of fuel reaching any of the surrounding water bodies. A more detailed report will be submitted in the near future once volumes and root cause have been determined. Contact 819-759-3555 Jeffrey Pratt: Ext: 3979 / Meliadine Environmental Tech Ext: 3903 / 3925				
L	REPORTED TO SPILL LINE BY Jeffrey Pratt	POSITION Environmental Coord.	EMPLOYER Agnico Eagle Mines	LOCATION CALLING FROM Meliadine Project	TELEPHONE 8197593555
M	ANY ALTERNATE CONTACT Philip Roy	POSITION SR Enviro Tech	EMPLOYER Agnico Eagle Mines	ALTERNATE CONTACT Meliadine Project	ALTERNATE TELEPHONE 8197593555
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY Final	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 checked="" type="checkbox"/> CA <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	Erle Allain - AANDC		April 6th 2017 18:25	Forced Out	
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

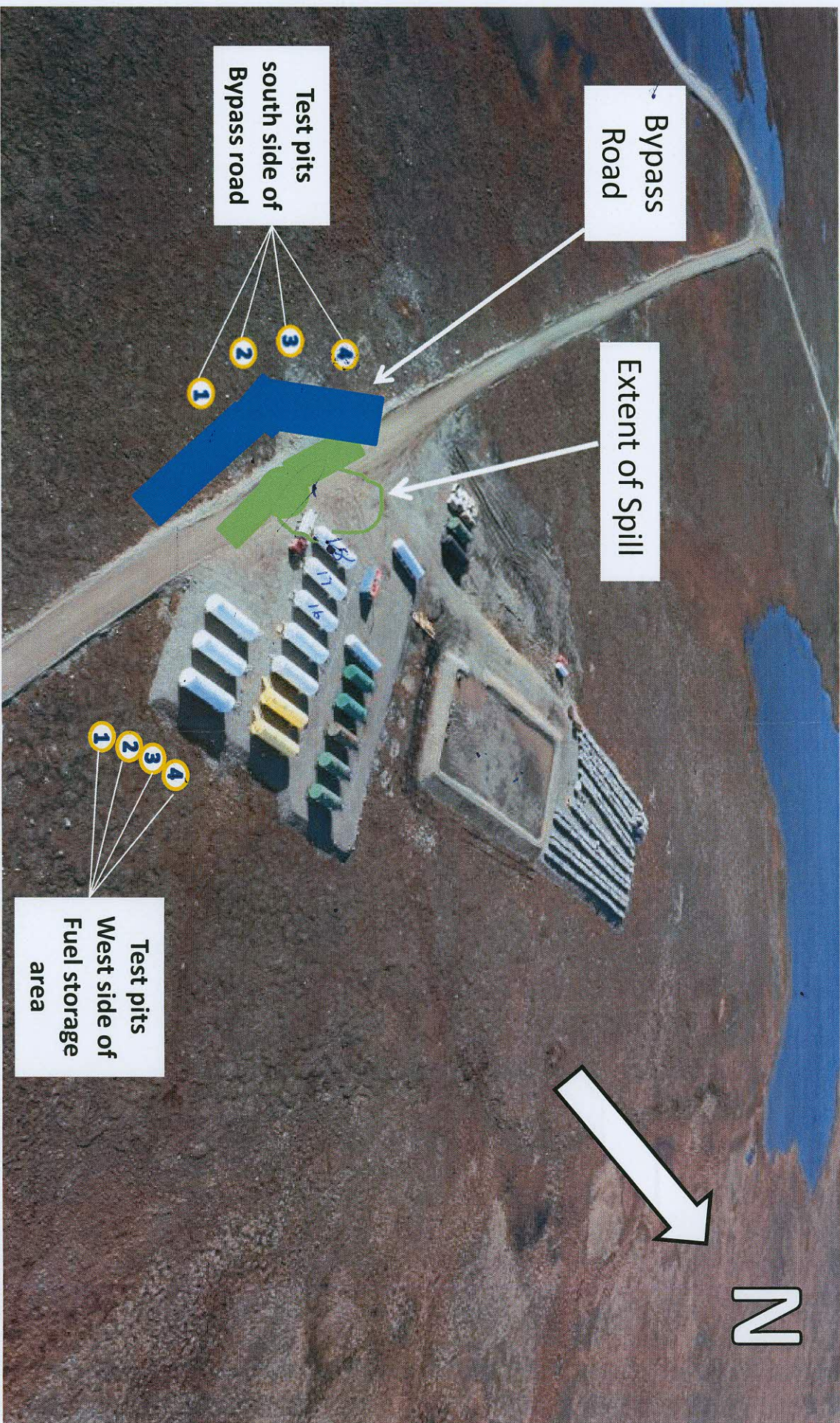
EMAIL: spills@gov.nt.ca

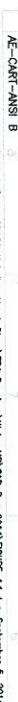
REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR 04-09-2017	REPORT TIME 14:00	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input checked="" type="checkbox"/> UPDATE # <u>1</u> TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 17.103
B	OCCURRENCE DATE: MONTH - DAY - YEAR 04-08-2017	OCCURRENCE TIME 15:40		
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KVCL102j168	WATER LICENCE NUMBER (IF APPLICABLE) 2BB-MEL1424		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Meliadine Gold Project		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E	LATITUDE DEGREES 63 MINUTES 1 SECONDS 24		LONGITUDE DEGREES 92 MINUTES 11 SECONDS 7	
F	RESPONSIBLE PARTY OR VESSEL NAME Agnico Eagle Mines LTD	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Meliadine, Rankin Inlet, Nunavut XOC OGO		
G	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION		
H	PRODUCT SPILLED Diesel Fuel	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES ~30,000 L	U.N. NUMBER 1202	
	SECOND PRODUCT SPILLED (IF APPLICABLE) NA	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES NA	U.N. NUMBER NA	
I	SPILL SOURCE Refueling Fuel Tank	SPILL CAUSE Human error	AREA OF CONTAMINATION IN SQUARE METRES ~750m2	
J	FACTORS AFFECTING SPILL OR RECOVERY Wind	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 FOLLOW UP REPORT: Agnico Eagle reports that a Diesel spill of approximately 30,000 liters has occurred at the fuel tank storage facility at the Meliadine project on Saturday, April 8, 2017. The spill was caused by a leak from a hose on one of the 100,000-litre tanks and occurred between two fuel truck refills. At this time, cleaning is still under progress and there is no indication that the spill exceeded the storage tanks' area. No fuel has entered any fresh water system. Investigations remain underway to determine the root cause of the spill. Contact 819-759-3555 Jeffrey Pratt: Ext: 3928 / Meliadine Environmental Tech Ext: 3903 / 3925			
L	REPORTED TO SPILL LINE BY Jeffrey Pratt	POSITION Environmental Coord.	EMPLOYER Agnico Eagle Mines	LOCATION CALLING FROM Meliadine Project
M	ANY ALTERNATE CONTACT Philip Roy	POSITION SR Enviro Tech	EMPLOYER Agnico Eagle Mines	ALTERNATE CONTACT Meliadine Project
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 checked="" type="checkbox"/> INAC <input type="checkbox"/> NES <input type="checkbox"/> TC			SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN	
AGENCY			CONTACT NAME	CONTACT TIME
LEAD AGENCY			Andrew Kenz	04/10/17 08:53
FIRST SUPPORT AGENCY				
SECOND SUPPORT AGENCY				
THIRD SUPPORT AGENCY				

Certified as Original
Over

OVERVIEW





1

Tf
TETRA TECH EB/

[illegible]

TITRE / TITRE	f DWG
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REVISIONS

REV	DESCRIPTION	DATE	PAID BY
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PROBLEM NO.	DATE
1	11-11-11

AGNICO EAGLE - MELADINE GOLD PROJECT
FIGURE 4.1 WATERSHED AND WATERBODIES
AFFECTED BY SITE INFRASTRUCTURE

NO. DESIGN/ DRAWING NO.	REVISION	FEUILLE/MT 1 / 1
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Spill no. 17-103 4.10.2017

Legend

- ▲ Tracks 2017-04-10 14:16:52
- 📌 Waypoints

