

APPENDIX D.7.7

FOLLOW-UP SPILL REPORTS



February 05, 2016

Resource Management Officer
Nunavut Field Operations
Aboriginal Affairs and Northern Development Canada
Box 100
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Justin Hack Justin.Hack@aandc-aadnc.gc.ca

Director, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #16-006, Reported on Jan 6th, 2016
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At approximately 07:30 on January 06, 2016, the crusher operator was starting up the equipment on the B-Spread Crusher at the Mine Site Crusher Pad and the belt gave way and broke. This resulted in the belt coming in contact with the lube oil return line on the Tertiary cone, causing the line to release lube oil to the adjacent area. The volume of the spill was approximately 120L covering an approximate area of 4 m². The spill location is > 100 m from the nearest drainage (non-fisheries habitat) and all water bodies are currently frozen.

Immediate and Follow-Up Action:

The Crusher Supervisor and Environment Department were notified immediately upon spill discovery. The lube oil was contained and cleaned up with spill pads and the contaminated material was placed in Quatrex bags. The contaminated material from the impacted area was removed for disposal in the Landfarm Facility at Milne Port.

Recommendations:

The belt broke due to a catastrophic failure. Preventative maintenance and inspection programs for the various components of the crusher are in the process of being fully implemented.

Current Status:

The Crusher lube oil return line was repaired and the crusher is currently operational. The affected area has been cleaned up and the contaminated material disposed of.

Should you require further information or clarification on the above noted spill, please feel free to contact Allan Knight at (647) 253-0596 x6010 or Jim Millard at (902) 403-1337.

Prepared By:

A handwritten signature in black ink, appearing to read "Bill Bowden".

Bill Bowden
Environmental Coordinator

Reviewed by:

Jim Millard
Environmental Manager

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Oliver Curran, Bernard Laflamme, Tony Woodfine, Bikash Paul, Allan Knight, (Baffinland), Erik Allain, Scott Burgess (AANDC).



Photo 1 – Spill Location Pre Clean up



Photo 2 – Spill Location Post Clean up

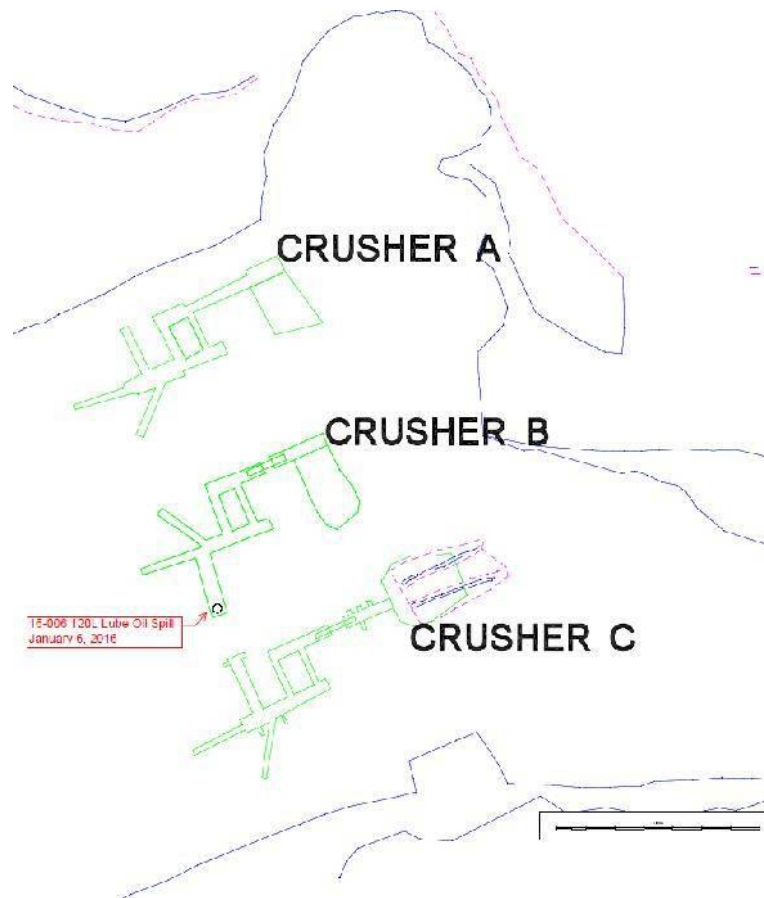


Figure 1 - Spill Location



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 Jan 06, 2015	REPORT TIME 21:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input checked="" type="checkbox"/> UPDATE # 1 TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 16 - 006
B	OCCURRENCE DATE: MONTH – DAY – YEAR Jan 06, 2015	OCCURRENCE TIME 07:30			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Project Mine Site, Baffin Island, NU		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 71 MINUTES 18 SECONDS 40		LONGITUDE DEGREES 79 MINUTES 16 SECONDS 27		
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3			
G	ANY CONTRACTOR INVOLVED No	CONTRACTOR ADDRESS OR OFFICE LOCATION NA			
H	PRODUCT SPILLED Lube Oil	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 120L	U.N. NUMBER NA		
	SECOND PRODUCT SPILLED (IF APPLICABLE) NA	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES NA	U.N. NUMBER NA		
I	SPILL SOURCE Oil return line	SPILL CAUSE Drive belt worn out	AREA OF CONTAMINATION IN SQUARE METRES 4m2		
J	FACTORS AFFECTING SPILL OR RECOVERY Frozen ground conditions	DESCRIBE ANY ASSISTANCE REQUIRED NA	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 At approximately 07:30 on January 06, 2016, the crusher operator was just starting up the equipment on B-Spread at the Mine Site Crusher Pad and the belt gave way and broke, causing the belt to come contact with the lube oil return line on the Tertiary cone, causing the equipment to spill estimated 120L of Lube Oil on the ground. The operator put down spill pads to contain the product, soon after he reported the spill to his supervisor then the Environment Department. The spill location is > 100 m from the nearest drainage (non-fisheries habitat) and all water bodies are currently frozen. The spill was cleaned up with pads and the spill area excavated. The impacted material will be transported to the Landfarm Facility at Milne Port.				
L	REPORTED TO SPILL LINE BY Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE Ext 6016
M	ANY ALTERNATE CONTACT Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Off Site	ALTERNATE TELEPHONE 902-403-1337
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY STATION OPERATOR	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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Figure 2 – NT-NU Spill Report

March 27, 2016

Resource Management Officer
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Justin Hack Justin.Hack@aandc-aadnc.gc.ca

Director, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #16-056, Reported on Feb 26th, 2016
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On February 26, 2016 at 5:30 HRS, a worker discovered that the cube van (truck) had leaked approximately 120 litres of diesel onto the ground underneath the vehicle, affecting an area of approximately 10 m2. Upon further inspection, it was determined that the vehicle's fuel line had become damaged and had leaked the contents of the vehicle's fuel tank onto the ground. The location of the spill was greater than 200 meters away from the nearest water body, Milne Inlet, which is currently frozen.

Immediate and Follow-Up Action:

The worker immediately placed spill pads underneath the vehicle to absorb any free product and notified the Environment Department and his Supervisor. Contaminated snow and soil were removed and transported to the Milne Port Landfarm Facility for treatment.

Recommendations:

Routine maintenance will continue to be conducted on all onsite mobile equipment. All mobile equipment operators will continue to conduct pre-operation checks every shift to confirm their equipment has no leaks and is in good working order.

Current Status:

The cube van (truck) fuel line has been repaired and is back in operation. The affected area has been cleaned up and the contaminated snow and soil have been taken to the Milne Port Landfarm Facility for treatment.

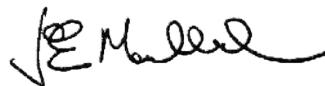
Should you require further information or clarification on the above noted spill, please feel free to contact Allan Knight at (647) 253-0596 x6010 or Jim Millard at (902) 403-1337.

Prepared By:

A handwritten signature in black ink, appearing to read "A. Vermeer", written over a light blue grid background.

Andrew Vermeer
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "J. Millard", written in a cursive style.

Jim Millard
Environmental Manager

Attach: Photos, Map, NT-NU Spill Report

cc. Oliver Curran, Bernard Laflamme, Tony Woodfine, Bikash Paul, Allan Knight, William Bowden, Lea Willemse, Jennifer St. Paul-Butler (Baffinland), Erik Allain, Scott Burgess (AANDC)



Photo 1 - Cube Van Diesel Spill – 120 L



Photo 2 – Spill Cleanup



Photo 3 – Spill Location after Cleanup

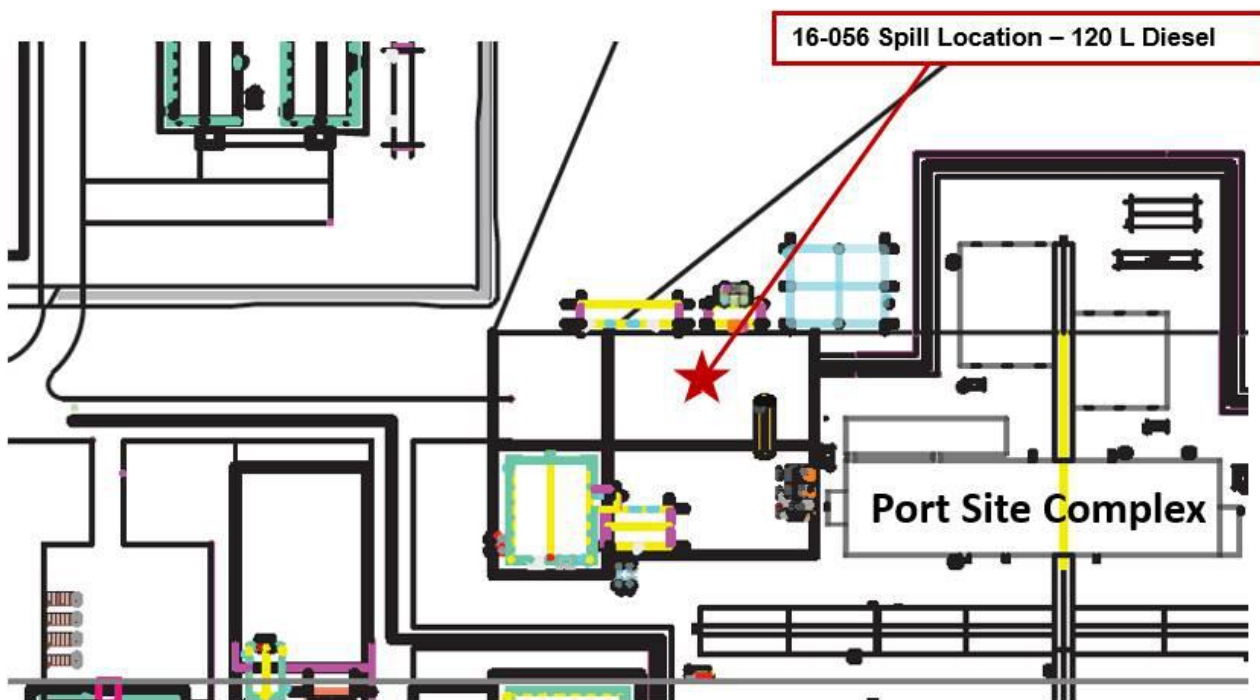


Figure 1 – Spill Location

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 02-26-2016	REPORT TIME 20:00 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 16-056
B	OCCURRENCE DATE: MONTH - DAY - YEAR 02-26-2016	OCCURRENCE TIME 05:30 HRS		
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Project Milne Port, Baffin Island, NU		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E	LATITUDE DEGREES 71 MINUTES 53 SECONDS 05		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 17	
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3		
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A		
H	PRODUCT SPILLED Arctic Diesel (P50)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 120 L	U.N. NUMBER N/A	
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A	
I	SPILL SOURCE Mobile Equip - Cube Van	SPILL CAUSE Damaged Fuel Line	AREA OF CONTAMINATION IN SQUARE METRES 10 m2	
J	FACTORS AFFECTING SPILL OR RECOVERY Frozen gravel ground surface	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 <p>On February 26, 2016, a worker discovered that the cube van (truck) had leaked approximately 120 L of diesel onto the ground underneath the vehicle, affecting an area of approximately 10 m2. The worker immediately placed spill pads underneath the vehicle to absorb any free product and notified the Environment Department. Upon further inspection, it was determined that the vehicle's fuel line had become damaged and had leaked the contents of the vehicle's fuel tank onto the ground. Contaminated snow and soil were removed and transported to the Milne Port Landfarm Facility for treatment. The location of the spill was greater than 200 meters away from the nearest water body, Milne Inlet, which is currently frozen. The investigation is currently ongoing.</p> <p>Further details will be provided in the follow up report.</p>			
L	REPORTED TO SPILL LINE BY Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site ext 6016
M	ANY ALTERNATE CONTACT Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT Mine Site
REPORT LINE USE ONLY				
N	RECEIVED AT SPILL LINE BY STATION OPERATOR	POSITION STATION OPERATOR	EMPLOYER 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"/> IAC <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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Figure 2 – NT-NU Spill Report



March 31, 2016

Resource Management Officer
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Justin Hack Justin.Hack@aandc-aadnc.gc.ca

Acting Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #16-063, Reported on March 1st, 2016
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At approximately 02:00 on March 01, 2016, the crusher operator for A-Spread noticed a spill under the cone crusher. A lubricant hose came lose and discharged a volume of lube oil onto the crusher pad surface. The operator shut down the crusher immediately and initiated notification and clean-up measures. The volume of the spill was approximately 300L covering an approximate area of 5 m². The spill location is > 100 m from the nearest drainage (non-fisheries habitat) and all water bodies are currently frozen and ice covered.

Immediate and Follow-Up Action:

The Crusher Supervisor and Environment Department were notified immediately upon spill discovery. The lube oil was contained and cleaned up with spill pads. The spill area was then excavated and the contaminated material was placed in Quatrex bags. The contaminated material from the impacted area was removed for disposal in the Landfarm Facility at Milne Port.

Recommendations:

Preventative maintenance inspection programs for the various components of the crusher are in the process of being fully implemented.

Current Status:

The lubricant oil hose was tightened and clamps replaced. Crusher A is currently operational. The affected area has been cleaned up and the contaminated material disposed of.

Should you require further information or clarification on the above noted spill, please feel free to contact Allan Knight at (647) 253-0596 x6016 or Jim Millard at (902) 403-1337.

Prepared By:

Reviewed by:


William Bowden

Environmental Coordinator

Jim Millard
Environmental Manager

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Bernard Laflamme, Bikash Paul, Allan Knight, (Baffinland),
Erik Allain, Scott Burgess (AANDC).



Photo 1 – Spill Location



Photo 2 – Location of Hose Failure

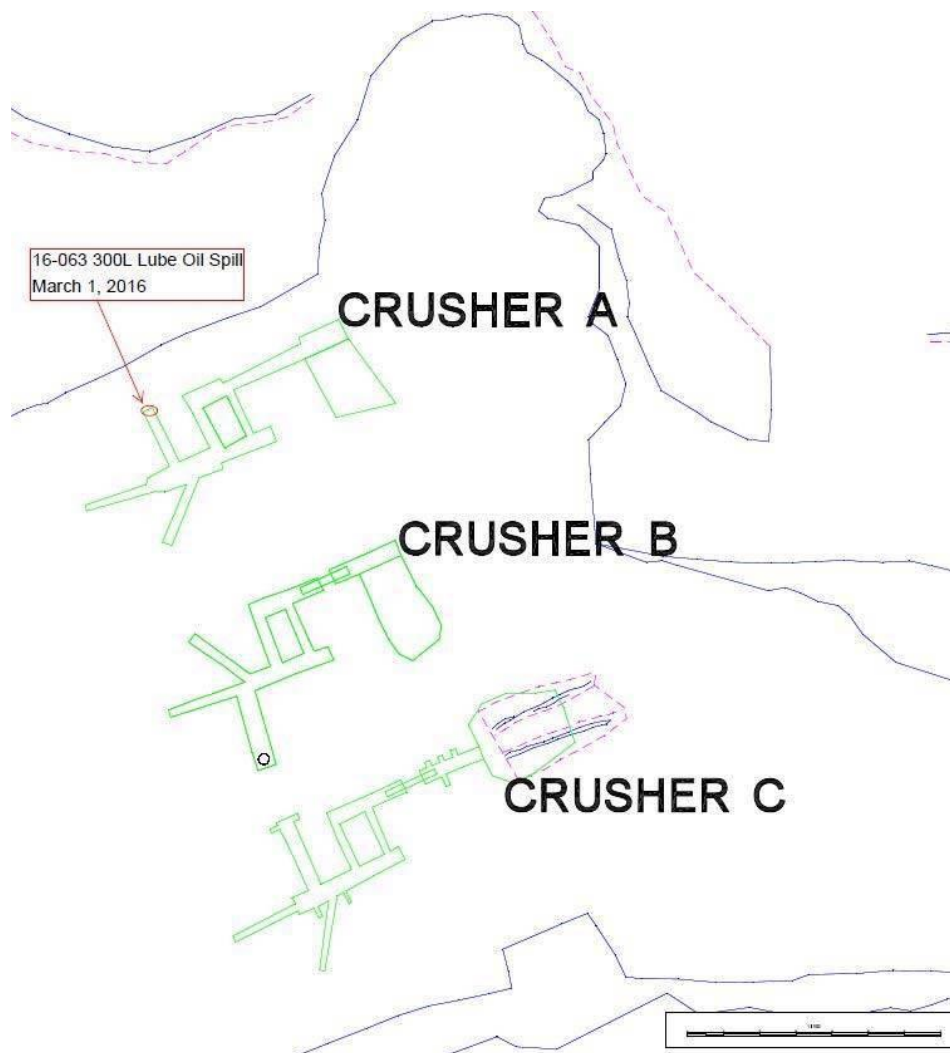


Figure 1 - Spill Location



NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6024

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR Mar 01, 2016	REPORT TIME 19:00 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 16 - 063
B	OCCURRENCE DATE: MONTH – DAY – YEAR Mar 01, 2016	OCCURRENCE TIME 02:00 HRS			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Project Mine Site, Baffin Island, NU		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 71 MINUTES 18 SECONDS 40		LONGITUDE DEGREES 79 MINUTES 16 SECONDS 27		
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3			
G	ANY CONTRACTOR INVOLVED No	CONTRACTOR ADDRESS OR OFFICE LOCATION NA			
H	PRODUCT SPILLED Lube Oil	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 300 L	U.N. NUMBER NA		
	SECOND PRODUCT SPILLED (IF APPLICABLE) NA	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES NA	U.N. NUMBER NA		
I	SPILL SOURCE Lube Oil Hose	SPILL CAUSE Hose coupler came loose.	AREA OF CONTAMINATION IN SQUARE METRES 6m2		
J	FACTORS AFFECTING SPILL OR RECOVERY Frozen ground conditions	DESCRIBE ANY ASSISTANCE REQUIRED NA	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 At approximately 02:00 on March 01, 2016, the crusher operator for A-Spread noticed a spill under the cone crusher. The hose came lose and discharged a volume of lube oil onto the crusher pad surface. The operator shut down the plant immediately and initiated notification and clean-up measures. The spill location is > 100 m from the nearest drainage (non-fisheries habitat) and all water bodies are currently frozen and ice covered. The immediate cause of the spill was a coupling/o-ring failure. The spill was cleaned up with pads and the spill area excavated. The impacted material is temporarily stored in two quatrex bags and will be transported to the Landfarm Facility at Milne Port for treatment.				
L	REPORTED TO SPILL LINE BY Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE Ext 6016
M	ANY ALTERNATE CONTACT Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Off Site	ALTERNATE TELEPHONE 902-403-1337
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY STATION OPERATOR	POSITION	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					

PAGE 1 OF **1**

Figure 2 – NT-NU Spill Report



April 2, 2016

Resource Management Officer
Nunavut Field Operations
Aboriginal Affairs and Northern Development Canada
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Justin.Hack@aandc-aadnc.gc.ca

Director, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #16-065, Reported on March 3, 2016
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On March 3, 2016 at approximately 13:00, while completing routine daily inspections of sewer lines and lift stations a release of grey water was discovered at lift station 19, located between the office and kitchen complexes of the Mine Site Complex. Upon further investigation, the lift station float switch had malfunctioned, causing an overflow which resulted in 100 Litres of grey water to slowly leak onto the adjacent ground surface. An area of approximately 10m² was impacted. The location of the spill was on the Mine Site camp pad, is greater than 100 meters from the nearest watercourse and all water bodies are currently frozen and ice covered.

Immediate and Follow-Up Action:

Fixed Plant Maintenance and the Environment Department were immediately notified. The vacuum truck was used to empty the lift station and remove any pooling grey water. The pumps were shut off and the float was system was replaced.

Recommendations:

Routine inspections of the sewage lines and lift stations will continue to be completed to ensure all components of the sewage system are functioning as designed.

Current Status:

The lift station float switch was replaced shortly after the spill was reported and the lift station is back in service and functioning properly.

Should you require further information or clarification on the above noted spill, please feel free to contact Allan Knight at (647) 253-0596 x6010 or Jim Millard at (902) 403-1337.

Prepared By:

A handwritten signature in black ink, appearing to read "William Bowden".

William Bowden,
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "Jim Millard", with a checkmark below it.

Jim Millard
Environmental Manager

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Bernard Laflamme, Bikash Paul, Allan Knight, Anant Minhas, (Baffinland)
Scott Burgess, Erik Allain, (AANDC)



Photo 1 – Lift Station Spill



Photo 2 – Lift Station Spill Post Clean Up

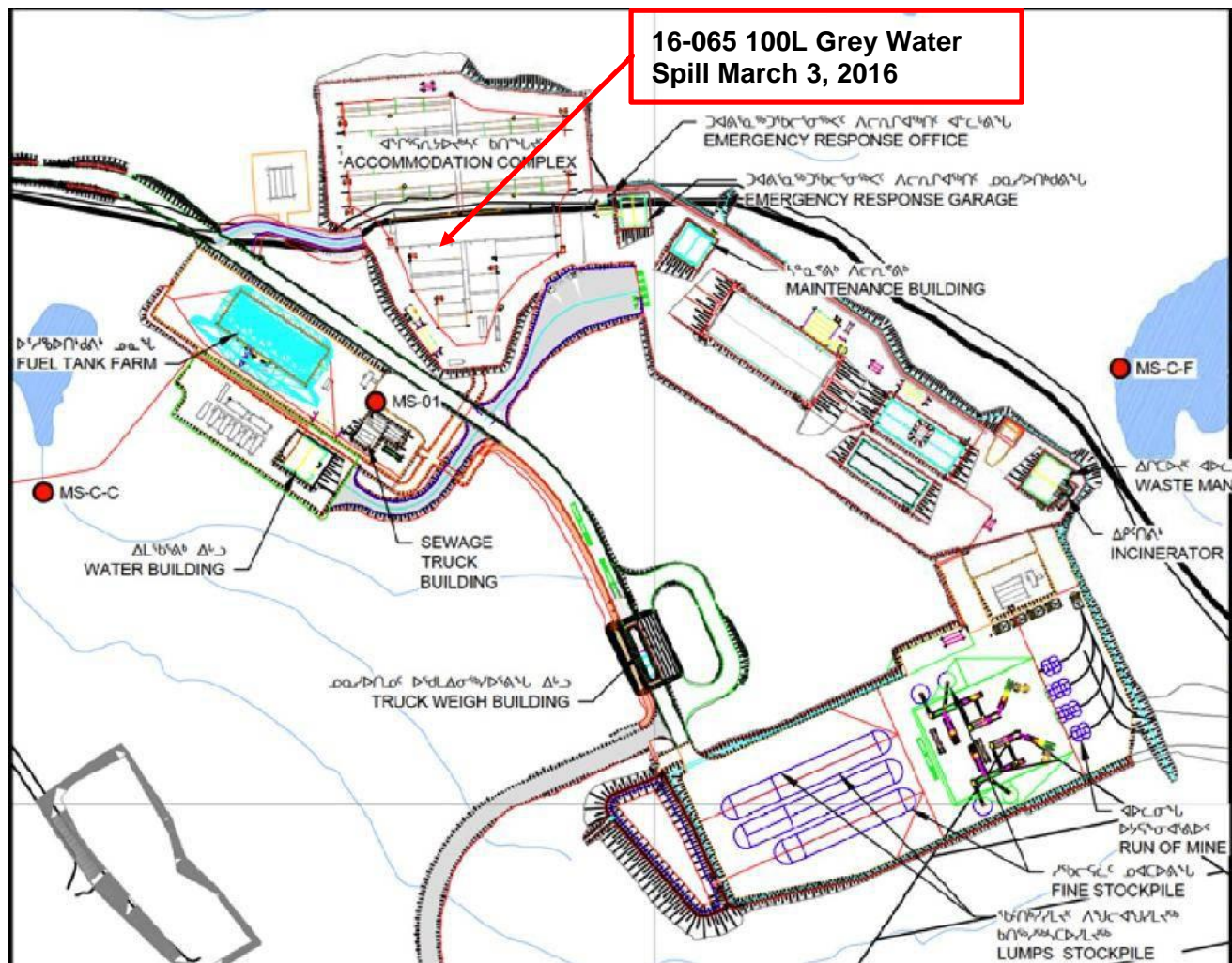


Figure 1 - Spill Location



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 04-03-2016	REPORT TIME 11:30 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 16 - 065
B	OCCURRENCE DATE: MONTH – DAY – YEAR 03-03-2016	OCCURRENCE TIME 13:00 HRS			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mine Site Kitchen Lift Station 19		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 71 MINUTES 18 SECONDS 53		LONGITUDE DEGREES 79 MINUTES 17 SECONDS 01		
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3			
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A			
H	PRODUCT SPILLED Grey Water	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 100L	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A		
I	SPILL SOURCE Lift Station	SPILL CAUSE Suspected fitting failure	AREA OF CONTAMINATION IN SQUARE METRES 10 m2		
J	FACTORS AFFECTING SPILL OR RECOVERY Spill Adjacent to Infrastructure	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT N/A		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS At 13:00 HRS on March 3, 2016, a grey water leak was discovered by Fixed Plant Maintenance originating from the MSC Kitchen North Lift Station 19. The Environment Department was notified upon discovery, and the lift station pumps were shut off. A vacuum truck was called to pump the lift station out. Initial investigation did not yield the exact cause of the spill but it is suspected that the influent gravity line fitting to the lift station is damaged. Approximately 100 L of grey water was released onto the adjacent ground, affecting an area of approximately 10 m2. Fixed Plant Maintenance will repair or replace the tank or fitting. The location of the spill was on the Mine Site camp pad and is greater than 100 metres from the closest water body. The investigation is currently ongoing and further details of the incident will be provided in the follow-up report.				
L	REPORTED TO SPILL LINE BY William Bowden	POSITION Env. Coordinator	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site, NU	TELEPHONE ext. 6010
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Mine Site, NU	ALTERNATE TELEPHONE ext. 6016
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY STATION OPERATOR	POSITION STATION OPERATOR	EMPLOYER STATION OPERATOR	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130
LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> COG <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					

PAGE 1 OF _____

Figure 2 – NT-NU Spill Report



May 3, 2016

Resource Management Officer
Nunavut Field Operations
Aboriginal Affairs and Northern Development Canada
Box 100
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Justin Hack Justin.Hack@aandc-aadnc.gc.ca

Director, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #16-109, Reported on April 5th, 2016
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At approximately 17:00 on April 04, 2016, a spill was identified while environmental personnel were doing an inventory of hazardous waste berms at the Mary River Mine Site. It is estimated that 140L of used engine oil was released into the berm covering an approximate area of 3m². The used oil was housed in a plastic drum which had a puncture in the bottom causing it to slowly leak out into the engineered lined containment berm. The spill location is > 100 m from the nearest drainage (non-fisheries habitat) and all water bodies are currently frozen and ice covered.

Immediate and Follow-Up Action:

Environmental personnel placed the leaking drum in tertiary containment (spill tray). Site services then cleaned up contaminated snow and residual oil with shovel and placed material in quatrex bag. The contaminated snow from the impacted area was removed for disposal in the Landfarm Facility at Milne Port.

Recommendations:

Proper placement of hazardous materials within line containment structures has been addressed with responsible departments.

Current Status:

Clean up of berms has commenced. Numerous used oil totes have been moved to MS-HWB-7.

Should you require further information or clarification on the above noted spill, please feel free to contact Allan Knight at (647) 253-0596 x6016 or Jim Millard at (902) 403-1337.

Prepared By:

A handwritten signature in black ink, appearing to read "William Bowden".

William Bowden

Environmental Coordinator

Reviewed by:

The logo for Baffinland, featuring a stylized red cross-like symbol to the left of the word "Baffinland" in a bold, red, sans-serif font.

Jim Millard

Environmental Manager

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Bernard Laflamme, Bikash Paul, Allan Knight, Todd Burlingame (Baffinland), Erik Allain, Scott Burgess (AANDC).



Photo 1 – Spill Location

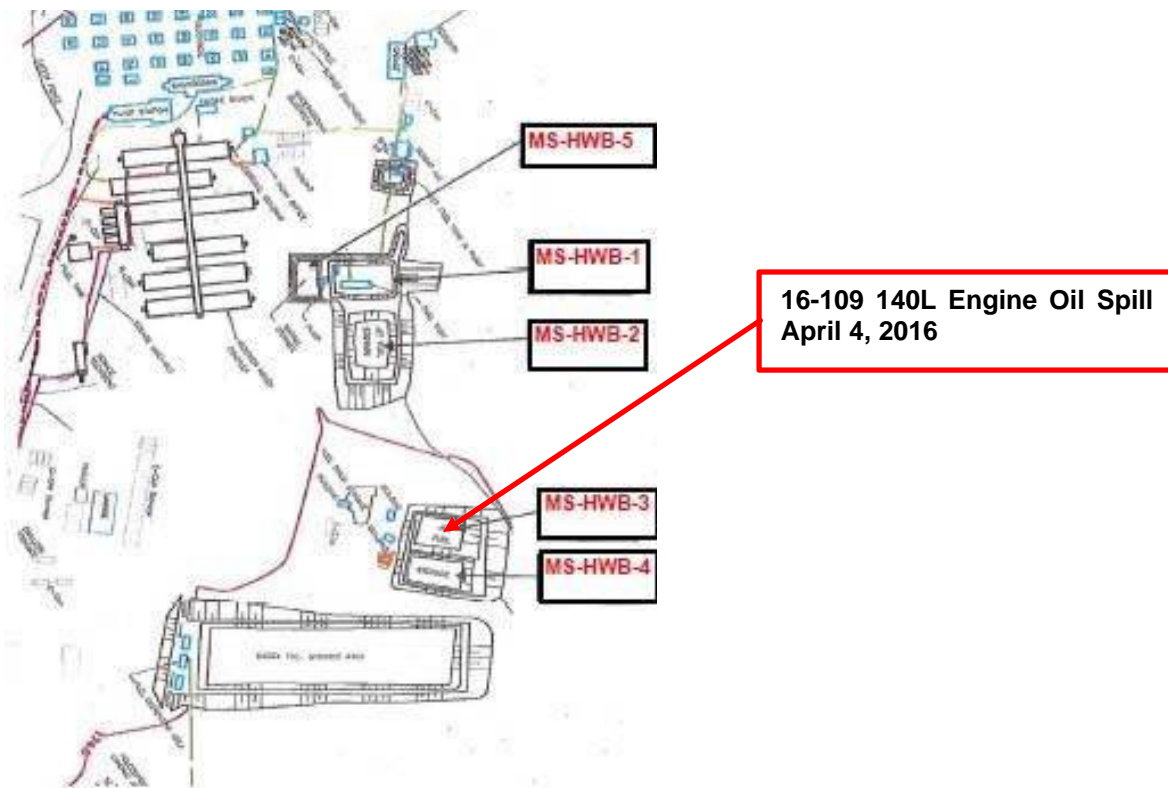


Figure 1 - Spill Location



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 checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 16 109	
	Apr 05, 2016	17:00 HRS			
B	OCCURRENCE DATE: MONTH - DAY - YEAR	OCCURRENCE TIME			
	Apr 04, 2016 (spill found)	17:00 HRS			
C	LAND USE PERMIT NUMBER (IF APPLICABLE)	WATER LICENCE NUMBER (IF APPLICABLE)			
	IOL - Commercial Lease No.: Q13C301	2AM-MRY1325 Type "A" Amendment No. 1			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION	REGION			
	Mary River Project Mine Site, Baffin Island, NU	<input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN			
E	LATITUDE	LONGITUDE			
	DEGREES 71 MINUTES 19 SECONDS 34	DEGREES 79 MINUTES 22 SECONDS 08			
F	RESPONSIBLE PARTY OR VESSEL NAME	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION			
	Baffinland Iron Mines Corp.	2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3			
G	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
	No	NA			
H	PRODUCT SPILLED	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
	Used Engine Oil	140 L	NA		
I	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
	NA	NA	NA		
J	SPILL SOURCE	SPILL CAUSE	AREA OF CONTAMINATION IN SQUARE METRES		
	Plastic Drum	Puncture in plastic drum			
K	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT		
	Frozen ground conditions	NA	None.		
L	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS				
	<p>At approximately 17:00 on April 04, 2016, a spill was identified while environmental personnel were doing an inventory of hazardous waste berms on site. It is estimated that 140L of used engine oil was released into the berm. The used oil was housed in a plastic drum which had a puncture in the bottom causing it to slowly leak out into the berm. The leaking drum was placed in tertiary containment and stored in a lined berm. The contaminated material is currently being cleaned up and placed in a quatrex bag and will be transported to the Landfarm Facility at Milne Port for treatment. The spill location is within engineered lined containment and is > 100 m from the nearest drainage (non-fisheries habitat). All water bodies are currently frozen and ice covered.</p>				
M	REPORTED TO SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLING FROM	TELEPHONE
	Jim Millard	Env. Manager	Baffinland	Mary River	Ext 6016
N	ANY ALTERNATE CONTACT	POSITION	EMPLOYER	ALTERNATE CONTACT LOCATION	ALTERNATE TELEPHONE
	Allan Knight	Env. Superintendent	Baffinland	Off Site	902-403-1337
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"/> LA <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					

Figure 2 – NT-NU Spill Report

June 2, 2016

Resource Management Officer
Nunavut Field Operations
Aboriginal Affairs and Northern Development Canada
Box 100
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Justin Hack Justin.Hack@aandc-aadnc.gc.ca

Director, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #16-149, Reported on May 3rd, 2016
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At approximately 13:45 on May 3, 2016, an Ore Haul Truck (OHT) Operator began the fueling process at the Milne Port Diesel Fuel Module by engaging the module's fuel pump. Before he started fuel transfer (filling the OHT fuel tank), the Operator noticed that the pump's meter display had already begun counting, yet there was no fuel flowing from the nozzle he was about to use. The Operator began to investigate why the meter was running when he noticed that fuel was flowing from the secondary fuel nozzle, accessed through the adjacent (north) roll-up door into the diesel module (refer to Photo 1). The Operator immediately pressed the emergency shut-off switch which stopped the flow of fuel and called Site Services.

By visual assessment, it was estimated that approximately 300 L of diesel fuel was released into the sea container module. While the fuel was observed to be fully contained within the structure (refer to Photo 2), upon snowmelt further assessment will be completed to determine the extent of a potential release to the surrounding constructed containment berm in which the module is located. The assessment cannot be completed at this time since the east side of the module is inaccessible to snow removal equipment. The location of the spill was fully contained within constructed secondary containment and is greater than 200 meters away from the nearest water body, Milne Inlet, which is currently frozen.

Immediate and Follow-Up Action:

Site Services, Fixed Plant Maintenance and Environment Department personnel responded to the incident. Upon their arrival at the module, Fixed Plant Personnel confirmed the source of the release by placing a 5 gal pail under the suspect nozzle and "jogging" the pump. The Fixed Plant team then ensured that the isolation/ball valve supplying fuel to this fuel line was closed and secured, followed by replacing the faulty fuel nozzle affixed to the fuel line. A lock-out of the isolation/ball valve supplying fuel to this fuel line was also applied.

Recommendations:

The following recommendations have been developed from the responsible departments:

- Removal of the Fuel Management Systems (FMS) electrical bypass that authorizes unrecorded fueling activities. Removing the bypass will re-assign user accountability when using the module and identify potential losses to the environment (i.e. overflows); and
- Installation of a surveillance camera to provide 24/7 surveillance of the area.

Current Status:

The Fuel Module's faulty fuel nozzle has been replaced and the fuel line remains locked-out as per proper Baffinland procedure. To provide an additional control, the isolation/ball valve also remains locked-out.

While there appears to be no ground contamination to the area east of the module, further assessment will be completed on the west side, at which time where practical, clean-up of the area will be completed.

Re-installation of the electrical bypass will be completed at a later date in summer of 2016 as this requires work to be completed by a qualified professional/ third party contractor.



The surveillance camera and ancillary support parts (mounting brackets) have been procured and ordered. Upon receipt at site, installation of the camera will be completed.

Should you require further information or clarification on the above noted spill, please feel free to contact Allan Knight at (647) 253-0596 x6010 or Jim Millard at (902) 403-1337.

Prepared by:

Reviewed by:

A handwritten signature in black ink, appearing to read "Allan Knight".

Allan Knight
Environmental Superintendent

James Millard
Environmental Manager

Attach: Photos, Map, NT-NU Spill Report

cc. Todd Burlingame, Sylvain Proulx, Bikash Paul, Allan Knight, William Bowden, Andrew Vermeer, Jennifer St. Paul-Butler (Baffinland), Stephen Bathory (QIA), Erik Allain, Scott Burgess (INAC)



Photo 1 - Source of release – Secondary (back-up) fuel supply line



Photo 2 – Spill Contained within Module

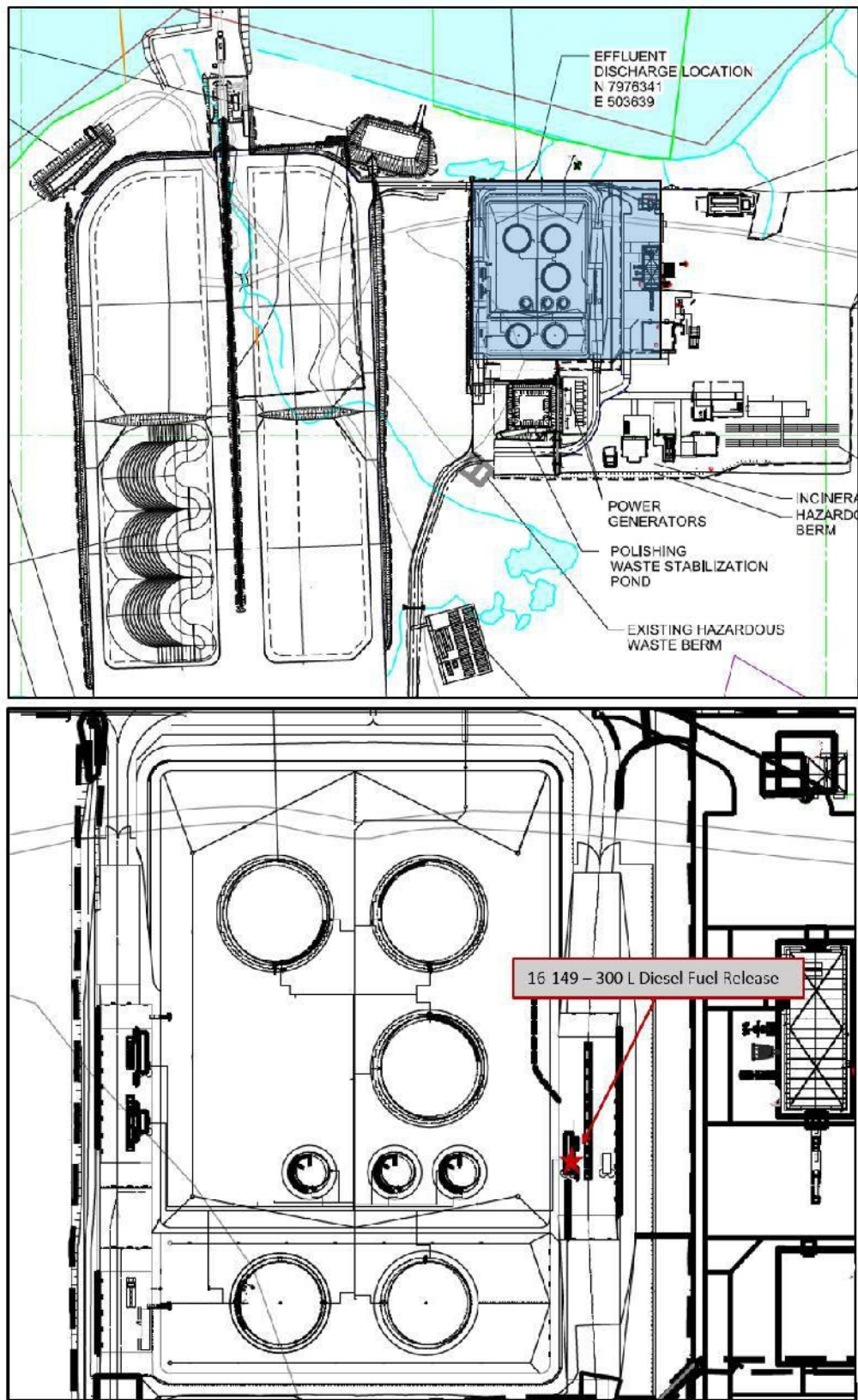


Figure 1 – Spill Location

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR 05-03-2016	REPORT TIME 17:45	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 16 - 149
B	OCCURRENCE DATE: MONTH - DAY - YEAR 05-03-2016	OCCURRENCE TIME 13:45		
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Project Milne Port, Baffin Island, NU		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E	LATITUDE DEGREES 71 MINUTES 53 SECONDS 08		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 34	
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3		
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A		
H	PRODUCT SPILLED Arctic Diesel (P50)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 300 L	U.N. NUMBER N/A	
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A	
I	SPILL SOURCE Diesel Fuel Line/Nozzle	SPILL CAUSE Damaged Fuel Nozzle	AREA OF CONTAMINATION IN SQUARE METRES Potential Area - TBD	
J	FACTORS AFFECTING SPILL OR RECOVERY Inside Sea Container Module	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A	
K	<p>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</p> <p>At approximately 13:45 on May 3, 2016, an Ore Haul Truck Operator began the fueling process by engaging the fuel pump at the Baffinland Milne Port P-50 Diesel Fuel Module. Before he started to pump the fuel, the Operator noticed that the pump's meter had already begun counting, yet there was no fuel flowing from the nozzle he was about to use. The Operator began to investigate why the meter was running when he noticed that fuel was flowing from a secondary fuel nozzle into the diesel module. The Operator pressed the emergency shut-off switch which stopped the flow of fuel and called Site Services.</p> <p>By visual observation, it was estimated that approx. 300 L of diesel fuel was released into the sea container module, and while the fuel was observed to be fully contained within the structure, further assessment will be completed to determine if any volume of fuel was released to the surrounding constructed engineered containment berm in which the module is located.</p>			
L	REPORTED TO SPILL LINE BY Jim Millard	POSITION Env Manager	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River
M	ANY ALTERNATE CONTACT Allan Knight	POSITION Env Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT Mary River
REPORT LINE USE ONLY				
N	RECEIVED AT SPILL LINE BY STATION OPERATOR	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	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				

Figure 2 – NT-NU Spill Report



June 13, 2016

Resource Management Officer
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Director, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #16-159, Reported on May 10th, 2016
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On May 10, 2016 at 10:00, during transport along the Mary River Tote Road, an Ore Haul Truck (OHT) Operator ran over a metal mud-flap bracket puncturing a small hole in the bottom of the passenger side diesel fuel tank. The operator continued to drive a distance before he was notified by Site Personnel approaching from behind that he was leaking diesel fuel at which time the Operator immediately pulled over to assess the leak at Km 37.

A 5 gal pail was used to provide immediate containment while Site Personnel retrieved a nearby spill kit. The initial spill trail was approximately 100L and the release to the area adjacent to the truck at km 37 was estimated to be 150L based on the area of the spill. The remaining diesel contained in the tank was collected with 5 gal pails and transferred to 200L drums. Absorbent pads and socks were used to absorb fuel spilled to the surrounding area.

Immediate and Follow-Up Action:

Site Environment was notified and arrived to assess the spill. Upon their arrival, the spill was contained and clean-up efforts were underway. The OHT was relocated a few meters forward to allow better access for clean-up efforts. Absorbent pads and booms were used to clean-up residual fuel spilled on the Tote Road, contaminated material was taken to the Milne Inlet Landfarm.

An assessment of the Tote Road was completed to determine the area of impact to the ground from the release of fuel from the OHT fuel tank while in transport. The impact was determined to be negligible as the truck was travelling at 45 km/h while releasing a spray-like release, which due to evaporation and dispersion the release was not visibly detectable along most of the distance the truck travelled.

Recommendations:

Awareness programs educating Site Personnel of the risks (to safety and equipment/ tires) of foreign objects on the Tote Road and site roadways to be implemented at site.

Current Status:

On camp road and laydowns, magnetic rollers are used to clean up small metal items, and Awareness programs have been delivered to site personnel.

Should you require further information or clarification on the above noted spill, please feel free to contact Allan Knight at (647) 253-0596 x6010 or Jim Millard at (902) 403-1337.

Prepared By:

A handwritten signature in dark ink, appearing to read "Allan Knight".

Allan Knight
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Todd Burlingame, Sylvain Proulx, Bikash Paul, Jim Millard, Andrew Vermeer, Jennifer St. Paul-Butler (Baffinland), Stephen Bathory (QIA), Erik Allain, Scott Burgess (INAC)



Photo 1 - Source of release – Ore Haul Truck Fuel Tank



Photo 2 – Spill Area



Figure 1 – Spill Location

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR 05-10-2016	REPORT TIME 10:00 HRS	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 16 - 159
B	OCCURRENCE DATE: MONTH - DAY - YEAR 05-10-2016	OCCURRENCE TIME 10:00 HRS		
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Project Milne Port, Baffin Island, NU		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E	LATITUDE DEGREES 71 MINUTES 38 SECONDS 39		LONGITUDE DEGREES 80 MINUTES 22 SECONDS 52	
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3		
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A		
H	PRODUCT SPILLED Arctic Diesel (P50)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 250 L	U.N. NUMBER N/A	
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A	
I	SPILL SOURCE Diesel Fuel Tank	SPILL CAUSE Punctured Fuel Tank	AREA OF CONTAMINATION IN SQUARE METRES Approx. 20 m2	
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS May 10, 2016 at 10:00, During transport along the Mary River Tote Road, an Ore Haul Truck Operator ran over a metal mud-flap bracket puncturing a small hole in the bottom of the passenger side diesel fuel tank. The operator continued to drive a distance before he was notified by Site Personnel approaching from behind that he was leaking diesel fuel at which time the Operator immediately pulled over to assess the leak. A 5 gal pail was used to provide immediate containment while Site Personnel retrieved a nearby spill kit. The initial spill trail was approximately 100L and the release to the area adjacent to the truck was estimated to be 150L based on the area of the spill. The diesel still contained in the tank was collected with 5 gal pails and transferred to 200 L drums. Absorbent pads and socks were used to absorb fuel spilled to the surrounding area. Further clean-up of the area is ongoing. Clean-up details will be provided in the follow-up report.			
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env Manager	EMPLOYER Baffinland	ALTERNATE CONTACT Mary River ALTERNATE TELEPHONE Ext 6016
REPORT LINE USE ONLY				
N	RECEIVED AT SPILL LINE BY STATION OPERATOR	POSITION STATION OPERATOR	EMPLOYER 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			FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED	
CONTACT NAME		REMARKS		
CONTACT TIME				
LEAD AGENCY				
FIRST SUPPORT AGENCY				
SECOND SUPPORT AGENCY				
THIRD SUPPORT AGENCY				

Figure 2 – NT-NU Spill Report



June 28, 2016

Resource Management Officer
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Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #16-195, Reported on May 26th, 2016
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On May 26th, 17:00, during an inspection of the Mine Site Old Fuel Bladder Farm (HWB 7), a spill of used oil was observed inside the bermed facility. The spill is entirely contained within the engineered lined containment that is inspected bi-annually by a qualified Geotechnical Engineer. An inspection around the foot of the berm of the facility indicated no leakage to the environment. Upon inspection, one 1m³ tote was discovered punctured, which drained into the berm. The spill location is greater than 500 meters from the nearest water body and occurred on Inuit Owned Land.

Immediate and Follow-Up Action:

The Oily Water Separator (OWS) was employed to treat the contaminated water in the berm starting June 14, 2016 and has processed 355 M³ to date. Contaminated water processing is ongoing. Clean up of the free product used oil in the berm will be completed utilising a hydrocarbon skimmer. The berm is storage to numerous 1 m³ totes containing used hydrocarbons awaiting backhaul for proper disposal during the 2016 backhaul sealift.

Recommendations:

Proper stacking and placement of all hazardous materials within line containment structures has been communicated to all responsible departments. A longer term waste management strategy is in development.

Current Status:

The OWS is currently processing the contaminated water in the berm. Final cleanup of the released used oil will be completed utilising a hydrocarbon skimmer in combination with the OWS. Until that time, the integrity of the engineered lined containment is being monitored to ensure there is no release to the receiving environment outside of containment.

Should you require further information or clarification on the above noted spill, please feel free to contact Trevor Myers / Allan Knight at (647) 253-0596 x6010 or Jim Millard at (902) 403-1337.

Prepared By:

A handwritten signature in black ink, appearing to read "William Bowden".

William Bowden
Environmental Coordinator

Reviewed by:

Jim Millard, M.Sc., P.Geo.
Environmental Manager

Attach: Map, NT-NU Spill Report

cc. Todd Burlingame, Jim Millard, Allan Knight, Wayne McPhee, Sylvain Proulx, Bikash Paul (Baffinland), Stephen Bathory (QIA), Erik Allain, Scott Burgess (INAC)

**16-195 1000L Used Oil
Spill May 26, 2016**

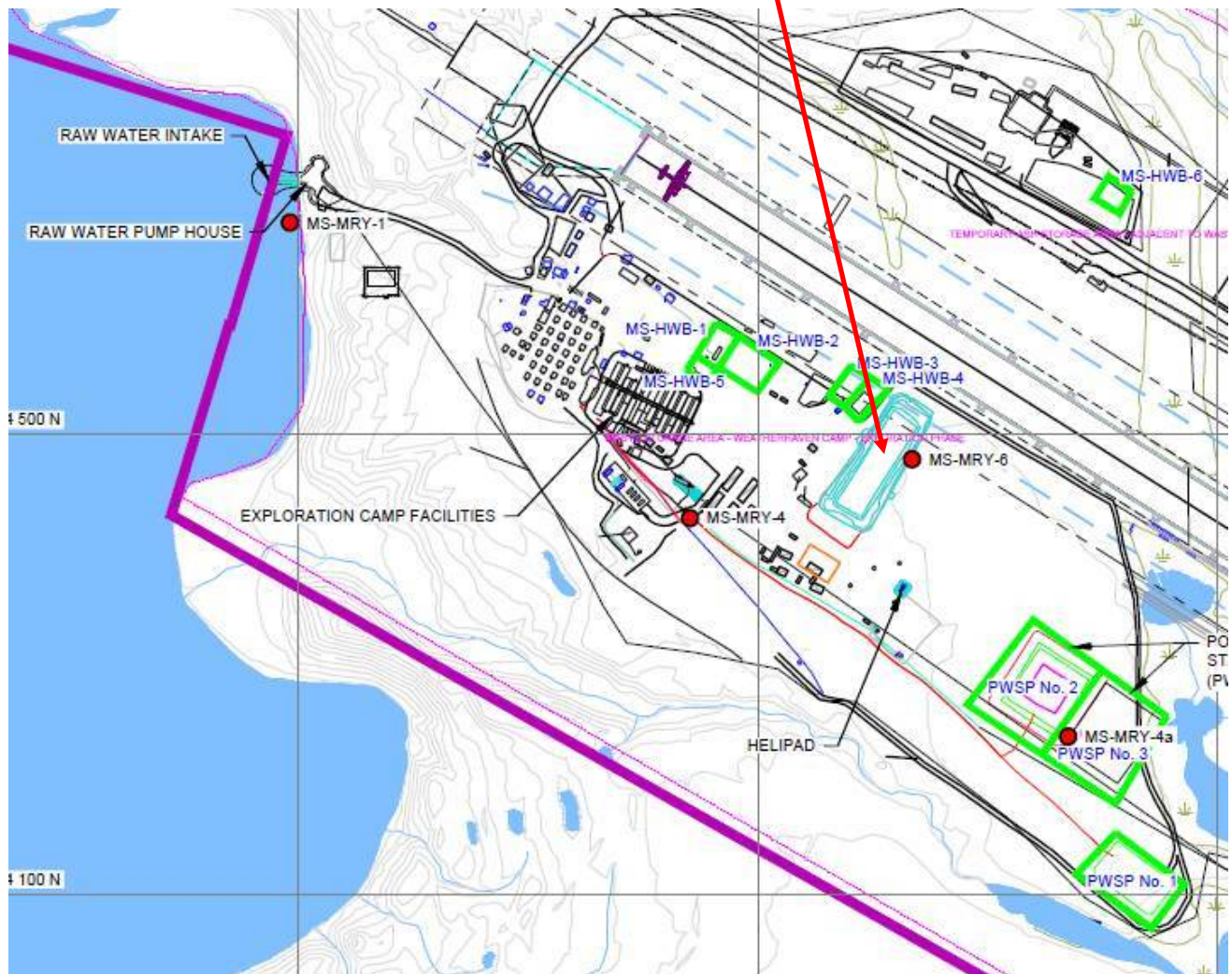


Figure 1: Map of Spill Location



NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR 05-26-2016	REPORT TIME 17:00:00 hrs	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 16 - 195
	B	OCCURRENCE DATE: MONTH - DAY - YEAR unknown	OCCURRENCE TIME unknown		
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease: Q13C301		WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"		
	D		GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Mine Site, Baffin Island, NU		
E	LATITUDE DEGREES 71 MINUTES 19 SECONDS 31		LONGITUDE DEGREES 79 MINUTES 22 SECONDS 08		
	F		RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.		
G	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Sutie 300, Oakville, ON L6H 0C3				
	ANY CONTRACTOR INVOLVED N/A		CONTRACTOR ADDRESS OR OFFICE LOCATION N/A		
H	PRODUCT SPILLED Waste Oil		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 1 M3	U.N. NUMBER N/A	
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A	
I	SPILL SOURCE Punctured waste oil tote in berm	SPILL CAUSE Punctured tote	AREA OF CONTAMINATION IN SQUARE METRES approx. 200m2		
J	FACTORS AFFECTING SPILL OR RECOVERY On water/ice/snow in lined berm	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS On May 26 2016, a spill was discovered during routine inspections of the Mine Site Hazardous Waste Berm #7 (HWB7). Upon initial investigation, the source of the spill was from a punctured waste oil tote (1 m3). The spill is entirely contained within the HWB7 which is constructed within engineered lined containment that is inspected annually by a qualified Geotechnical Engineer. The facility is located >500 m from the nearest water body and occurred on Inuit owned land. Initial estimates of product release was <1 m3. The free phase product will be recovered from the water surface once the ice and snow in the berm melts out. Further details will be provided of the clean up in the follow-up report. This spill is being reported as required by the conditions of Water Licence No. 2AM-MRY1325, Part H, item 9 (b).				
L	REPORTED TO SPILL LINE BY Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT 902-403-1337	ALTERNATE TELEPHONE 6016
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY STATION OPERATOR	POSITION STATION OPERATOR	EMPLOYER YELLOWKNIFE, NT	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					

PAGE 1 OF

Figure 2: NT-NU Spill Report



July 7, 2016

Resource Management Officer
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Aboriginal Affairs and Northern Development Canada
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Justin.Hack@aandc-aadnc.gc.ca

Director, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #16-210, Reported on June 7, 2016
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 10:30 HRS on June 6, 2016, a grey water leak was discovered originating from the MSC Kitchen South Lift Station 19. The Environment Department was notified upon discovery, and the lift station pumps were shut off. A vacuum truck was called to pump the lift station out. Initial investigation determined the discharge line from the lift station had separated. Approximately 1 m³ of grey water was released onto the adjacent ground, affecting an area of approximately 10 m². The location of the spill was on the Mine Site camp pad and is greater than 100 metres from the closest water body.

Immediate and Follow-Up Action:

Fixed Plant Maintenance and the Environment Department were immediately notified. The lift station pumps were turned off and the vacuum truck was used to empty the lift station and remove any pooling grey water. The discharge pipe from the tank had separated.

Recommendations:

Routine inspections of the sewage lines and lift stations will continue to be completed to ensure all components of the sewage system are functioning as designed.

Current Status:

The lift station discharge pipe was replaced shortly after the spill was reported and the lift station is back in service and functioning properly.

Should you require further information or clarification on the above noted spill, please feel free to contact Allan Knight at (647) 253-0596 x6010 or Jim Millard at (902) 403-1337.

Prepared By:

A handwritten signature in black ink, appearing to read "Allan Knight".

Allan Knight,
Environmental Superintendent

Reviewed by:

A handwritten signature in black ink, appearing to read "Jim Millard".

Jim Millard
Environmental Manager

Attach: Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Bikash Paul, Jim Millard (Baffinland),
Stephen Bathory (QIA), Erik Allain, Scott Burgess (INAC)

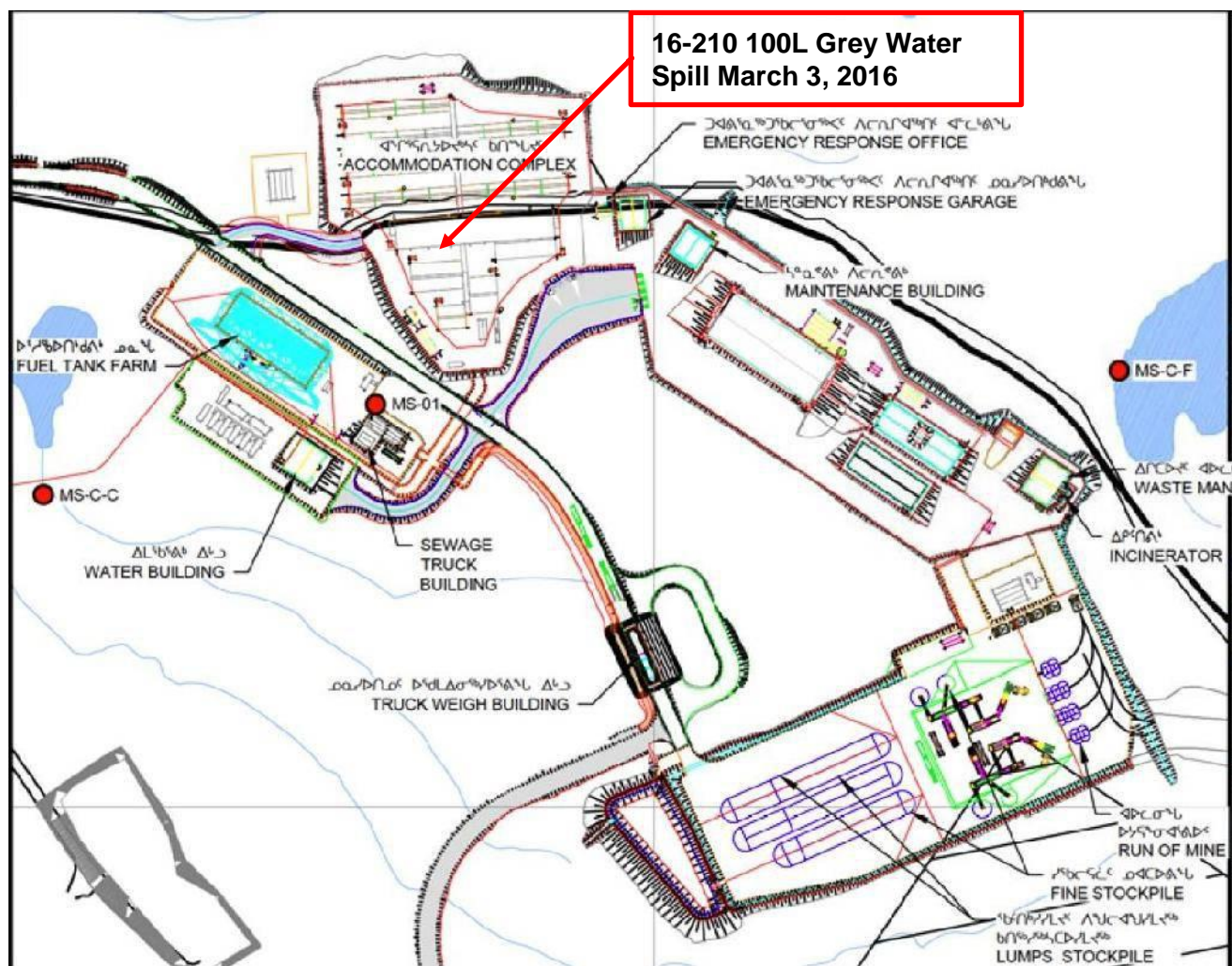


Figure 1 - Spill Location



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) 875-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE - MONTH - DAY - YEAR 06-07-2016	REPORT TIME 10:30 HRS	<input type="checkbox"/> ORIGINAL SPILL REPORT OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 16 - 210
B	OCCURRENCE DATE - MONTH - DAY - YEAR 06-06-2016	OCCURRENCE TIME Unknown		
C	LAND USE PLUMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease: Q13C301		WATCH LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"	
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Mine Site, Baffin Island, NU		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E	LATITUDE DEGREES 71 MINUTES 18 SECONDS 53		LONGITUDE DEGREES 79 MINUTES 17 SECONDS 01	
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Sutie 300, Oakville, ON L6H 0C3		
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A		
H	PRODUCT SPILLED Grey Water	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 1 cubic meter	U.N. NUMBER N/A	
I	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A	
J	SPILL SOURCE Lift Station	SPILL CAUSE Fitting Failure	AREA OF CONTAMINATION IN SQUARE METRES 10 m2	
K	ACTIONS AT FIGHTING SPILL OR BLOC/LIFT Spill Adjacent to Infrastructure		HAZARDOUS TO PERSONS, PROPERTY OR EQUIPMENT N/A	
L	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS At 10:30 HRS on June 6, 2016, a grey water leak was discovered originating from the MSC Kitchen South Lift Station 19. The Environment Department was notified upon discovery, and the lift station pumps were shut off. A vacuum truck was called to pump the lift station out. Initial investigation determined the discharge line from the lift station had separated. Approximately 1 m3 of grey water was released onto the adjacent ground, affecting an area of approximately 10 m2. The location of the spill was on the Mine Site camp pad and is greater than 100 metres from the closest water body. The investigation is currently ongoing and further details of the incident will be provided in the follow-up report.			
M	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYEE Baffinland	LOCATION CALLING FROM 647-253-0596
N	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Off Site
REPORT LINE USE ONLY				
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELL OWKNIFE, NT
				REPORT LINE NUMBER (867) 920-8130
LEAD AGENCY <input type="checkbox"/> LC <input type="checkbox"/> CCQ <input type="checkbox"/> GRWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NLB <input type="checkbox"/> IC		SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		FILL STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
AGENCY	CONTACT NAME	CONTACT TITLE	REMARKS	
LEAD AGENCY				
FIRST SUPPORT AGENCY				
SECOND SUPPORT AGENCY				
THIRD SUPPORT AGENCY				

PAGE 1 OF _____

Figure 2 – NT-NU Spill Report



August 16, 2016

Resource Management Officer
Nunavut Field Operations
Aboriginal Affairs and Northern Development Canada
Box 100
Iqaluit, NU X0A 0H0
Justin Hack Justin.Hack@aandc-aadnc.gc.ca

Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #16-063, Reported on July 17, 2016
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

See attached spill report. On July 16, 2016 at 16:00 HRS, the operator of a CAT 390 excavator discovered that his unit was leaking hydraulic oil at a high rate. The excavator was situated on the working bench of the Deposit No. 1 Pit. The operator immediately shut down the equipment and then called his supervisor to investigate. Approximately 200 liters of hydraulic oil was released to the adjacent ground surface, the surface consisting of broken waste rock (recent blast site). The immediate cause of the spill was a hose failure, which was subsequently replaced prior to equipment start-up.

Immediate and Follow-Up Action:

The Mine Operations Supervisor and Environment Department were notified immediately upon spill discovery. The immediate clean-up response was to use spill pads to mop up observed free product. The contaminated waste rock material was subsequently excavated. In consideration that the material was too coarse to place in the Milne Port Landfarm, it was hauled to the top of the PAG waste rock pile to be stored at a designated location for further observation and/or sampling. The storage area has drainage control and will be monitored for any free product migration or sheen. The nearest water body is >1 km away from both the spill location and storage location.

Recommendations:

Preventative maintenance inspection programs for the various components of the drill are being implemented.

Current Status:

The hose was subsequently replaced and the unit was put back into service. The affected area was cleaned up and the contaminated material placed in a secure, contained location..

Should you require further information or clarification on the above noted spill, please feel free to contact Jim Millard or Allan Knight at (647) 253-0596 x6016..

Prepared By

Jim Millard
Environmental Manager

Attach: Photos, Map, NT-NU Spill Report

cc. Scot Klingsman, Sylvain Proulx, Bikash Paul, Allan Knight, Todd Burlingame, Stephane Houde (Baffinland),
Erik Allain, Scott Burgess (AANDC).



Photo 1 – Spill Location

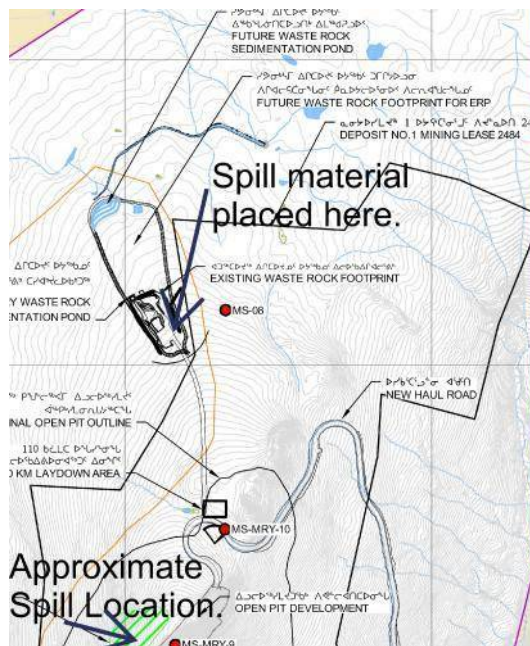


Figure 1 - Spill Location



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 07-17-2016	REPORT TIME 13:00 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 16 - 264
B	OCCURRENCE DATE: MONTH – DAY – YEAR 07-16-2016	OCCURRENCE TIME 17:00 HRS			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Project Mine Site, Baffin Island, NU		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 71 MINUTES 19 SECONDS 40		LONGITUDE DEGREES 79 MINUTES 13 SECONDS 23		
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3			
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A			
H	PRODUCT SPILLED Hydraulic Oil	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 200 L	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A		
I	SPILL SOURCE Hydraulic Oil Tank 390 Excavator	SPILL CAUSE Hose Failure	AREA OF CONTAMINATION IN SQUARE METRES Approx. 15 m2		
J	FACTORS AFFECTING SPILL OR RECOVERY Coarse blasted waste rock	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS: On July 16, 2016 at 16:00 HRS, the operator discovered that his CAT 390 excavator was leaking hydraulic oil at a high rate. The operator immediately shut down the equipment and then called his supervisor to investigate. Upon initial investigation it is estimated that 200 liters of hydraulic oil was released to the adjacent ground surface, the surface consisting of broken waste rock (recent blast site). The immediate clean-up response was to use spill pads to mop up observed free product. The immediate cause of the spill was a hose failure, which was subsequently replaced prior to equipment start-up. Contaminated waste rock was removed and hauled to the top of the PAG waste rock pile to be stored at a designated location for further observation and/or sampling. The storage area has drainage control and will be monitored for any free product migration or seepage. The nearest water body is >1 km away from both the spill location and storage location. This spill is being reported as required by the conditions of Type A Water Licence No. 2AM-MRY1325, Part H, item 9 (b).				
L	REPORTED TO SPILL LINE BY Jim Millard	POSITION Env Manager	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Allan Knight	POSITION Env Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Mary River	ALTERNATE TELEPHONE Ext 6016
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					

PAGE 1 OF 1

Figure 2 – NT-NU Spill Report



September 01, 2016

Resource Management Officer
Nunavut Field Operations
Aboriginal Affairs and Northern Development Canada
Box 100
Iqaluit, NU X0A 0H0
Justin Hack Justin.Hack@aandc-aadnc.gc.ca

Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #16-283, Reported on August 3, 2016
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On August 2, 2015 at 18:45 HRS, the 150 psi rated 6" flexible braided pipe supplying the P50 fuel module at Milne Port was observed to have failed, resulting in the release of diesel fuel into the fuel containment facility. The volume of released diesel fuel was approximately 155 cubic meters (m³). Site Services personnel were able to shut off the valve upstream of the detached pipe within several minutes stopping the flow of fuel. Released fuel was contained within the engineered fuel containment liner and was not released to the environment. The location of the contained release is approximately 200 meters (m) south of the Milne Inlet. A response to the loss of control was initiated, and NT-NU Spill Report No. 16-283 was submitted on August 3, 2016.

Immediate and Follow-Up Action:

The damaged pipe was isolated by closing the upstream valve. The section of braided pipe was replaced and the fuel system piping system was inspected by a reliability engineer prior to being put back into service on August 10, 2016.

The incident investigation indicated the volume of diesel fuel released into the fuel containment facility was estimated to be approximately 155 m³. Fuel recovery actions began August 11, 2016 involving the collection of approximately 130 m³ of diesel and impacted water into temporary storage in double walled enviro tanks, poly totes and fuel bladders, which are all stored within the tank farm secondary containment. Approximately 280 m³ of impacted water has been removed and taken to the Milne Port Storm Water facility (MP-04) for treatment through the Oily Water Treatment System.

Recommendations:

Next Steps include:

- Transfer remaining impacted liquid from the bulk fuel tank containment berm to the oily water treatment system (OWS) containment area,
- Evaluate options to re-use the diesel fuel stored in the temporary storage tanks,
- Inspect and backfill the exposed section of liner with sand and washed, rounded granular material,
- Continue to monitor, analyze and treat water contained within the berm in accordance with the Type "A" Water Licence No. 2AM-MRY1235 Amendment No. 1, and
- Decommission the temporary storage tanks and bladders after the fuel and oily water is removed.



Current Status:

Water transfer, treatment and clean-up activities are on-going. Inspections of the engineered Bulk Fuel Containment Facility indicate liner integrity with no signs of product outside of the containment facility.

Should you require further information or clarification on the above noted spill, please feel free to contact Jim Millard or William Bowden at (647) 253-0596 x6016.

Prepared By:

A handwritten signature in black ink, appearing to read "William Bowden".

William Bowden,
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "W. McPhee".

Wayne McPhee
Director Sustainable Development

Attach: Map, Photos, NT-NU Spill Report, NT-Nu Spill Report Update 1.

cc. Sylvain Proulx, Bikash Paul, Allan Knight, Todd Burlingame, Wayne McPhee Jim Millard (Baffinland), Stephen Bathory (QIA) Erik Allain, Scott Burgess (AANDC).

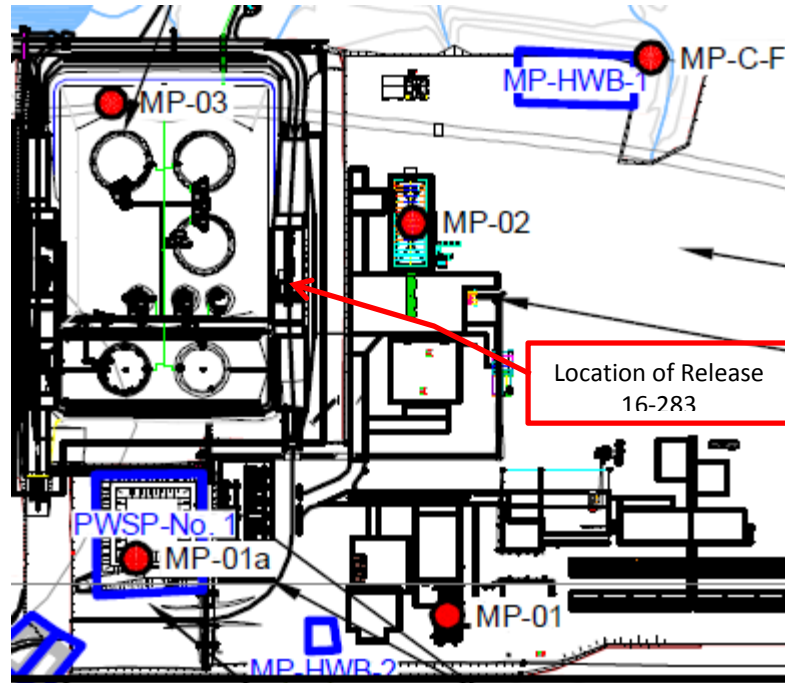


Figure 1: Location of spill.

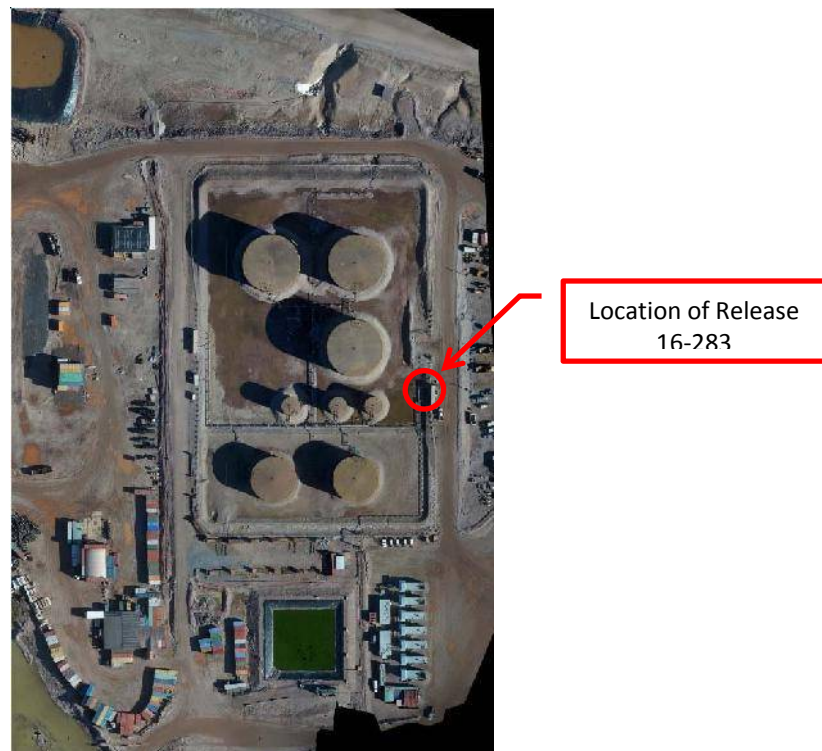


Figure 2: Aerial view of containment berm.



Photograph 1 – Braided Flex Pipe fuel supply line to back of Module



Photograph 2: Section of Braided Flex Pipe after replacement.



Photograph 3: Showing impacted water pooling within north and west side of interior containment berm.
August 8, 2016



Photograph 4: Showing north side of interior containment berm during collection activities.
August 31, 2016



Photograph 5: Showing west side of interior containment berm during collection activities.
August 31, 2016



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 August 3, 2016	REPORT TIME 12:00 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 16 - 283	
	OCCURRENCE DATE: MONTH - DAY - YEAR August 2, 2016	OCCURRENCE TIME 18:45 HRS			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease: Q13C301		WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Milne Port, Baffin Island, NU		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 71 MINUTES 53 SECONDS 08		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 36		
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Sutie 300, Oakville, ON L6H 0C3			
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A			
H	PRODUCT SPILLED P-50 Diesel	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Unknown	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A		
I	SPILL SOURCE Milne Port Fuel Module	SPILL CAUSE Detached Pipe	AREA OF CONTAMINATION IN SQUARE METRES		
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS At approximately 18:45, August 2, 2016, the 6" flex pipe supplying the P50 fuel module at Milne Port was observed to be detached resulting in a loss of control with fuel being released into the fuel containment facility. The volume of released fuel is unknown at this time. Site Services personnel were able to shut off the valve upstream of the detached pipe within several minutes stopping the flow of fuel. The Mine Rescue Team responded; fuel discharge from the 6" pipe was verified to be shut off. Released fuel is contained within the lined engineered fuel containment of the fuel farm and is not being released to the environment; hence, there is negligible risk to the adjacent land and waters. The location of the contained spill is approximately 200m from Milne Inlet. Methods for clean up will likely include skimming free phase product and treatment/storage of contaminated water. Further details regarding estimated volume and details pertaining to cause, recommendations, and clean-up will be provided in Spill Update / Follow-Up Spill Report.				
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT 902-403-1337	ALTERNATE TELEPHONE 6016
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					

PAGE 1 OF _____

Attachment 1 – NT-NU Spill Report 16-283
August 3, 2016



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 August 8, 2016		REPORT TIME 12:00 HRS		<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input checked="" type="checkbox"/> UPDATE # 1 TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 16 - 283
	OCCURRENCE DATE: MONTH – DAY – YEAR August 2, 2016		OCCURRENCE TIME 18:45 HRS			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease: Q13C301		WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Milne Port, Baffin Island, NU				REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E	LATITUDE DEGREES 71 MINUTES 53 SECONDS 08		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 36			
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Sutie 300, Oakville, ON L6H 0C3			
G	ANY CONTRACTOR INVOLVED N/A		CONTRACTOR ADDRESS OR OFFICE LOCATION N/A			
H	PRODUCT SPILLED P-50 Diesel		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 155 m3		U.N. NUMBER N/A	
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A		U.N. NUMBER N/A	
I	SPILL SOURCE Milne Port Fuel Module		SPILL CAUSE Detached Pipe		AREA OF CONTAMINATION IN SQUARE METRES N/A	
J	FACTORS AFFECTING SPILL OR RECOVERY N/A		DESCRIBE ANY ASSISTANCE REQUIRED N/A		HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS Based on the ongoing incident investigation, the volume released into the containment was estimated to be approximately 155 m3. This was based on two lines of information: the data available from tank fuel dips and the fuel management system (which records dispensing activities); and, on a survey of the area and depth of pooled fuel within the containment facility. The investigation into the incident is ongoing. A fuel recovery effort is being initiated. There has been no release to the receiving environment of fuel or fuel-impacted water from the fuel farm engineered containment based on daily monitoring along the outer toe of the facility and downstream.					
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE 647-253-0596	
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION 902-403-1337	ALTERNATE TELEPHONE 6016	
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						

PAGE 1 OF _____

Attachment 2 – NT-NU Spill Report 16-283 Update No. 1
August 8, 2016



September 26, 2016

Resource Management Officer
Nunavut Field Operations
Aboriginal Affairs and Northern Development Canada
Box 100
Iqaluit, NU X0A 0H0
Justin.Hack@aandc-aadnc.gc.ca

Director, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #16-315, Reported on August 27, 2016
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 12:00 HRS on August 26, 2016, a grey water leak was reported originating from the MSC Kitchen lift station (LS19). The lift station only receives grey water from the kitchen and is not connected to any washrooms. The recoverable released grey water was sucked up using a vacuum truck and transferred to PWSP #1 at the Mine Site. Upon further investigation it was determined that the float control that actuates the lift station pumps had malfunctioned causing the lift station to overflow. Approximately 1.5 m³ of grey water was released onto the adjacent ground, affecting an area of approximately 100 m². The location of the spill was on the Mine Site camp pad and is greater than 100 metres from the closest water body.

Immediate and Follow-Up Action:

Fixed Plant Maintenance and the Environment Department were immediately notified. The lift station pumps were manually activated and the vacuum truck was used to remove any pooling grey water.

Recommendations:

Routine inspections of the sewage lines and lift stations will continue to be completed to ensure all components of the sewage system are functioning as designed.

Current Status:

The float control for the lift station has been replaced and the lift station is back in service and functioning properly.

Should you require further information or clarification on the above noted spill, please feel free to contact Andrew Vermeer at (416) 364-8820 x6016 or Jim Millard at (902) 403-1337.

Prepared By:

A handwritten signature in black ink, appearing to read "Andrew Vermeer".

Andrew Vermeer,
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "Jim Millard".

Jim Millard
Environmental Manager

Attach: Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Bikash Paul, Jim Millard (Baffinland),
Stephen Bathory (QIA), Erik Allain, Scott Burgess (INAC)

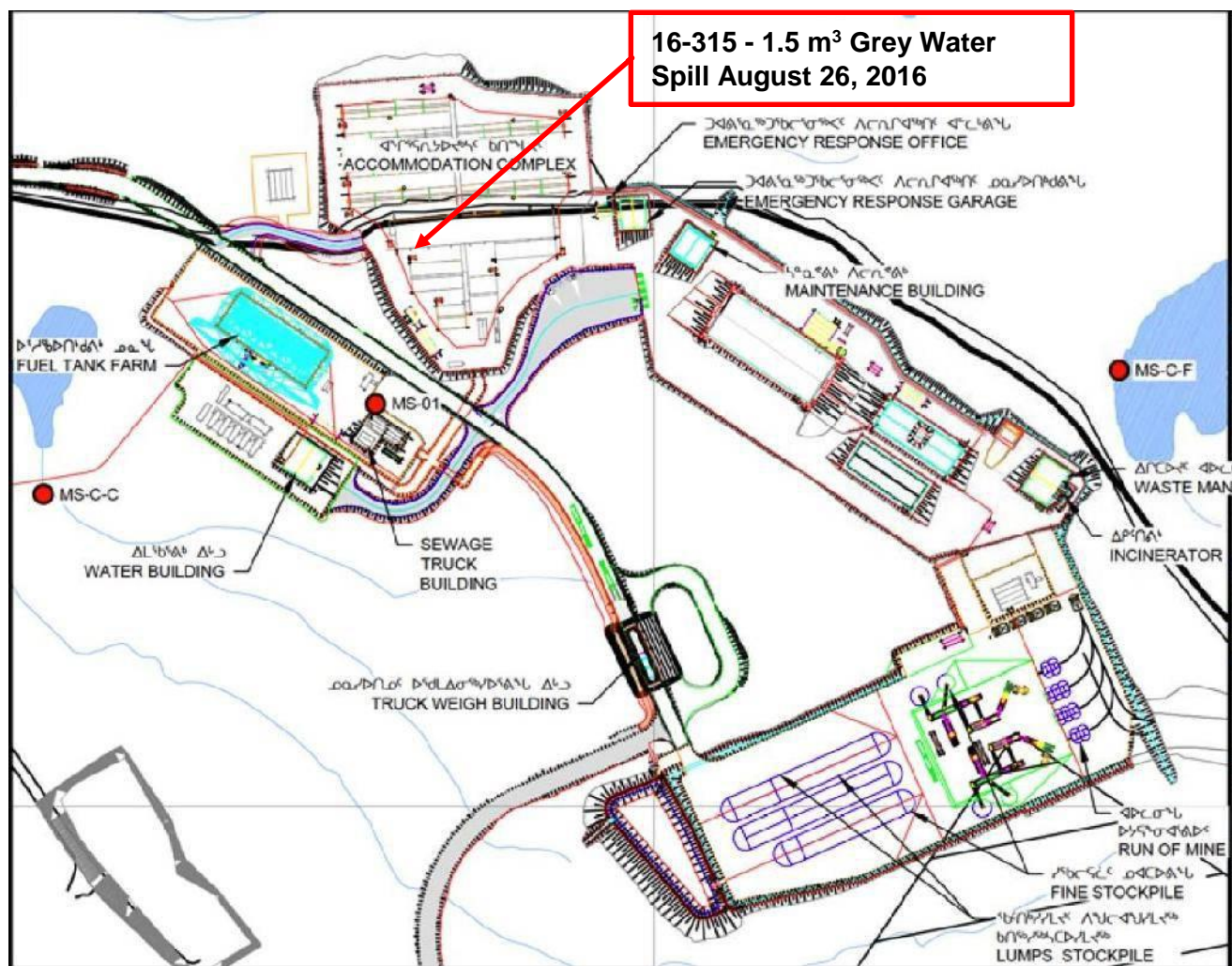





Figure 1 - Spill Location

Figure 2 – NT-NU Spill Report

  		NT-NU SPILL REPORT <small>OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS</small>		NT-NU 24-HOUR SPILL REPORT LINE <small>TEL: (867) 920-8130 FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca</small>	
<small>REPORT LINE USE ONLY</small>					
A	REPORT DATE: MONTH - DAY - YEAR 08-26-2016		REPORT TIME 12:00 HRS		<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # 16 TO THE ORIGINAL SPILL REPORT 315
B	OCCURRENCE DATE: MONTH - DAY - YEAR 06-26-2016		OCCURRENCE TIME Unknown		
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease: Q13C301		WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Mine Site, Baffin Island, NU			REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E	LATITUDE DEGREES 71 MINUTES 18 SECONDS 53		LONGITUDE DEGREES 79 MINUTES 17 SECONDS 01		
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3		
G	ANY CONTRACTOR INVOLVED N/A		CONTRACTOR ADDRESS OR OFFICE LOCATION N/A		
H	PRODUCT SPILLED Grey Water		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 1.5 cubic meter		U.N. NUMBER N/A
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A		U.N. NUMBER N/A
I	SPILL SOURCE Lift Station		SPILL CAUSE Float/Pump Failure		AREA OF CONTAMINATION IN SQUARE METRES 100 m2
J	FACTORS AFFECTING SPILL OR RECOVERY Spill beside/below Infrastructure		DESCRIBE ANY ASSISTANCE REQUIRED N/A		HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS <p>At 12:00 HRS on August 26, 2016, a grey water leak was reported originating from the MSC Kitchen South Lift Station 19. The Environment Department was notified upon discovery. This lift station only receives grey water from the kitchen. The recoverable released grey water was sucked up and disposed of in containment. Initial investigation determined the floats from the lift lift station failed to actuate the pumps causing the lift station to overflow. Approximately 1.5 m3 of grey water was released onto the adjacent ground, affecting an area of approximately 100 m2. The location of the spill was on the Mine Site camp pad, migrating underneath the office and ALS lab wings, and is greater than 100 metres from the closest water body. The investigation is currently ongoing and further details of the incident will be provided in the follow-up report. This spill is being reported as required by the conditions of water licence no. 2AM-MRY1325, Part H, item 9 (b) pursuant to subsection 12(3) of the Nunavut Waters and Nunavut Surface Rights Tribunal Act.</p>				
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM 647-253-0596	TELEPHONE ext. 6016
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT Off Site	ALTERNATE TELEPHONE 902-403-1337
<small>REPORT LINE USE ONLY</small>					
N	RECEIVED AT SPILL LINE BY [Blank]	POSITION STATION OPERATOR	EMPLOYER [Blank]	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130
LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> DCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> IAC <input type="checkbox"/> NEB <input type="checkbox"/> ITC			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 6, 2016

Resource Management Officer
Nunavut Field Operations
Aboriginal Affairs and Northern Development Canada
Box 100
Iqaluit, NU X0A 0H0
Justin.Hack@aandc-aadnc.gc.ca

Director, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #16-327, Reported on September 6, 2016
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 0700 HRS on September 6, 2016, Baffinland's water treatment operator observed pooling wastewater inside and outside of the wastewater treatment plant (WWTP). The spill source was located in the backwash room from the aeration tank. Approximately 250 L of aerated sewage was released outside of the WWTP in a 40 m² area. Upon further investigation it was determined that a 2" diam. aluminum camlock fitting on the return line to recirculate aerated sewage failed and disconnected from the tank. Corrosion of the fitting may have contributed to the failure. The closest water body is approximately 100 m to the southwest and is currently frozen. The spill was confined to the WWTP pad.

Immediate and Follow-Up Action:

The WWTP operator immediately notified the Environment department and Site Services and a preliminary inspection was initiated. A vacuum truck was used to clean up pooling liquid inside of the WWTP. Sand was placed on the contaminated pad to absorb any remaining sewage. All contaminated material was transported to the land farm at Milne Port, an engineered lined containment facility. The corroded cam lock fitting was replaced with a new fitting before the system was put back into operation.

Recommendations:

Routine inspections of the WWTP will continue to be completed to ensure all components are functioning as designed.

Current Status:

The WWTP is currently fully operational and all lines and fittings appear to be in good condition.

Should you require further information or clarification on the above noted spill, please feel free to contact William Bowden at (416) 364-8820 x6016 or Jim Millard at (902) 403-1337.

Prepared By:



William Bowden,
Environmental Coordinator

Reviewed by:



Jim Millard
Environmental Manager

Attach: Photos, Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Sylvain Desrochers, Jim Millard Allan Knight (Baffinland),
Stephen Bathory (QIA), Erik Allain, Scott Burgess, Jonathan Mesher (INAC)



Photo 1. Spill contained to WWTP pad and vacuum truck used to suck up free liquid September 6th 2016.



Photo 2. Spill area after removal of contaminated material September 6th 2016.

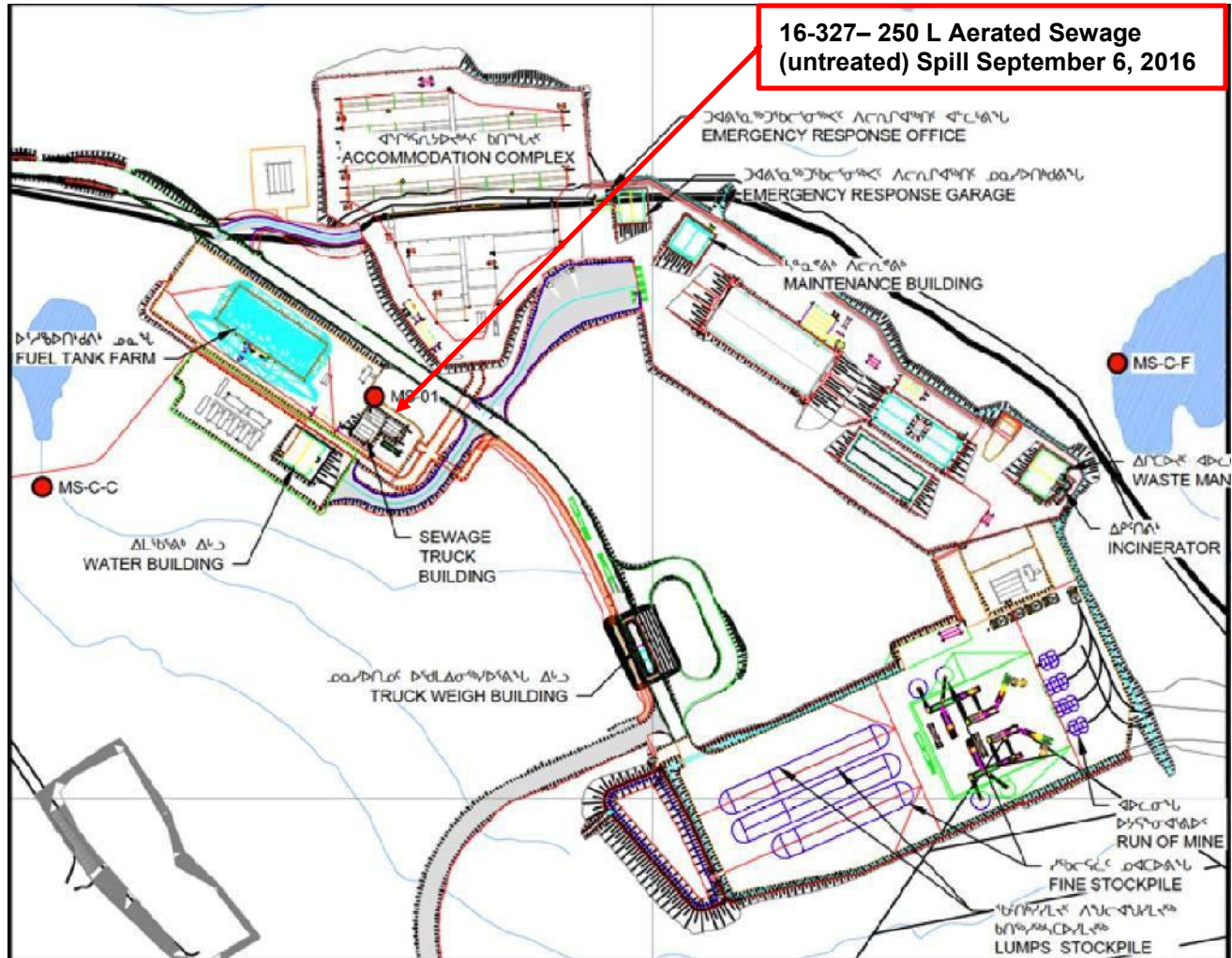


Figure 1 - Spill Location



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 09-06-2016	REPORT TIME 8:00 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 16-327
B	OCCURRENCE DATE: MONTH - DAY - YEAR 09-06-2016	OCCURRENCE TIME Unknown			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease: Q13C301	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Mine Site, Baffin Island, NU		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 71 MINUTES 18 SECONDS 53		LONGITUDE DEGREES 79 MINUTES 17 SECONDS 01		
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3			
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A			
H	PRODUCT SPILLED Aerated sewage (unfiltered)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 250 L	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A		
I	SPILL SOURCE Membrane Bioreactor (MBR)	SPILL CAUSE Damaged fitting	AREA OF CONTAMINATION IN SQUARE METRES 40 m2		
J	FACTORS AFFECTING SPILL OR RECOVERY Spill inside and beside MBR	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS At 7:00 am Baffinland's water treatment operator observed pooling wastewater inside and outside of the MBR treatment building. The operator immediately notified the Environment department and Site Services and a preliminary inspection was initiated. The spill source was located in the backwash room from the aeration tank. Approximately 250 L of aerated sewage was released outside of the MBR in a 40 m2 area. The closest water body is approximately 100 m to the southwest; the spill was confined to the MBR pad. The contaminated material was transported to the landfarm, a engineered lined containment facility. A 2" diam. aluminum camlock fitting on the return line to recirculate aerated sewage appeared to fail and disconnect from the tank. The cause of the failure is not known but corrosion appears to be a factor. This spill is being reported as required by the conditions of water licence no. 2AM-MRY1325, Part H, item 9 (b) pursuant to subsection 12(3) of the Nunavut Waters and Nunavut Surface Rights Tribunal Act.				
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM 647-253-0596	TELEPHONE ext. 6016
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT Off Site	ALTERNATE TELEPHONE 902-403-1337
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY STATION OPERATOR	POSITION STATION OPERATOR	EMPLOYER YELLOWKNIFE, NT	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"/> NIB <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					

PAGE 1 OF 1

Figure 2 – NT-NU Spill Report