

APPENDIX E.8.7.2
INITIAL AND FOLLOW UP SPILL REPORTS
OTHER
(Part 1)



February 1, 2017

Resource Management Officer
Nunavut Field Operations
Indigenous and Northern Affairs Canada
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Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #17-002, Reported on January 2nd, 2017
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On January 1st, 2017 at 22:00 a Surface Works operator was asked to dispose of sump water totes. Sump water is stored in the contaminated snow dump, a lined engineered facility to be processed during the summer months. The operator took the tote to the snow dump and opened the valve to drain the tote. The operator picked up a second tote and returned to the snow dump. When he entered the snow dump with the second tote he noticed the initial tote had contained waste oil, which had emptied into the lined snow dump. Approximately 1m³ of waste oil was released. The closest water body is >100 m and is currently frozen; the spill is confined to the lined snow dump.

Immediate and Follow-Up Action:

The Surface Works Supervisor was immediately notified. The waste oil and affected snow/ice was scraped up using an excavator and placed into over pack drums. The over pack drums were removed and placed into the Milne Port Hazardous Waste Berm 1 (HWB1) which is a lined containment facility. Visual observation indicates that the contaminated material was successfully removed.

Recommendations:

Surface Works supervisors are to review sump water disposal procedure with all operators and ensure all new employees understand the procedures related to their work duties. The Surface Works operators are to remain at the scene when emptying totes at the snow dump to verify that the contents are strictly sump water. Maintenance lead hands or supervisors are to ensure all totes are properly labelled indicating the contents.

Current Status:

Visual observation during the summer months will confirm if all free phase product was removed. Any remaining product will be removed and treated with the Oily Water Treatment Facility or hydrocarbon skimmer and backhauled.



Should you require further information or clarification on the above noted spill, please feel free to contact William Bowden at (647) 253-0596 x6016, Laura Taylor (647) 253- 0596 x6016 or Allan Knight at (647) 253-0596 x6010

Prepared By:

A handwritten signature in black ink, appearing to read "K. Babin".

Katherine Babin
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "L. Taylor".

Laura Taylor
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Robert Gagne, Anant Minhas, Laura Taylor (Baffinland), Stephen Bathroy (QIA), Scott Burgess, Erik Allain, Sarah Forte, Jonathon Mesher (INAC).



Photo 1: Oil Spill Milne Port Contaminated Snow Dump



Photo 2: Oil Spill Post Clean Up

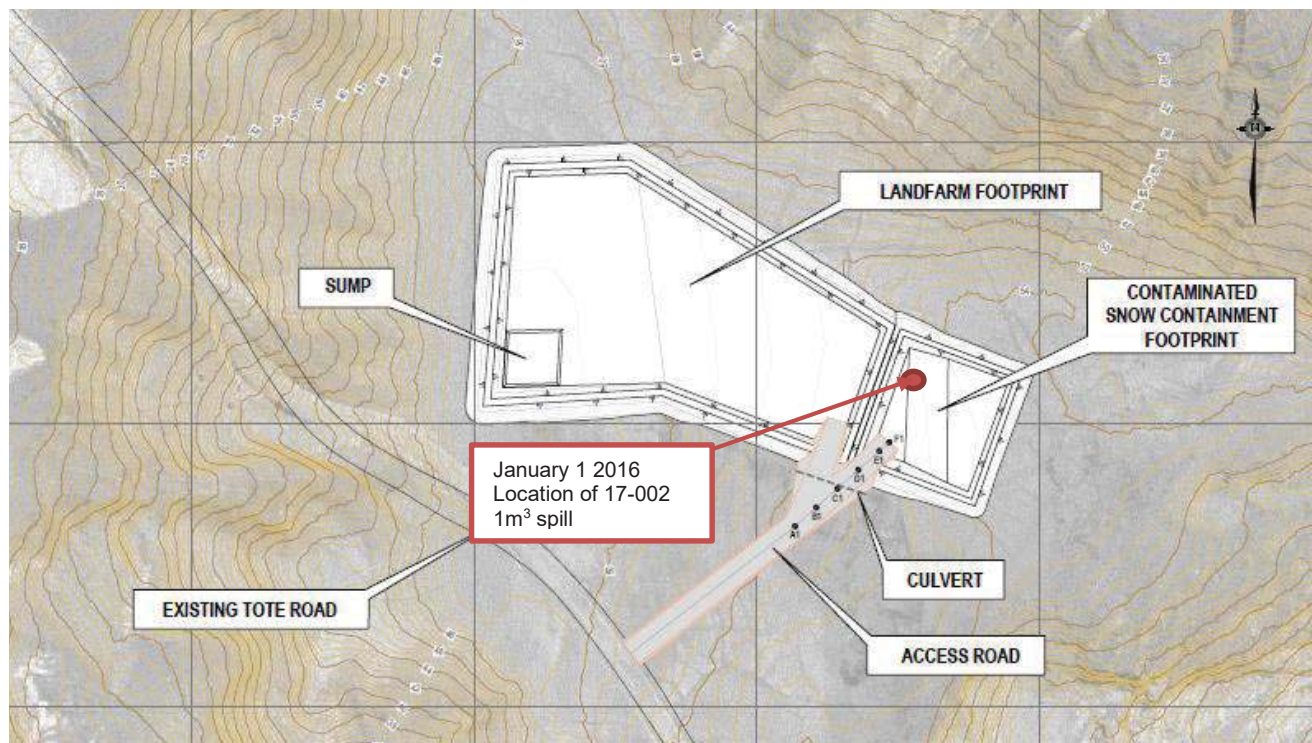


Figure 1: Spill Location



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 Jan 02, 2017	REPORT TIME 23:30 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 17 002
B	OCCURRENCE DATE: MONTH - DAY - YEAR Jan 01, 2017	OCCURRENCE TIME 22:00 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 87 SECONDS 95		LONGITUDE DEGREES 80 MINUTES 88 SECONDS 88		
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 Used Engine Oil	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 1000 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 Plastic Tote	SPILL CAUSE Procedure not followed	AREA OF CONTAMINATION IN SQUARE METRES 		
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 <p>During night shift on January 1st, a Surface Works operator was asked by maintenance to dispose of their shop sump water totes. Sump water is stored in a lined engineered contaminated snow dump overwinter and is processed during the summer months. The operator took the tote to the snow dump and opened the valve to drain the tote. The operator returned to maintenance to pick up a second tote and returned to the snow dump. When he entered the berm with the second tote he noticed the initial tote had contained waste oil, which had emptied into the lined snow dump. Approximately 1000 L of waste oil was released into the snow dump which is a lined engineered containment facility. A plan is currently being developed for the clean up of the released waste oil; further details of the incident will be provided in the follow-up report. The closest water body is >100 m and is currently frozen; the spill is confined to the lined snow dump. This release is being reported as required by the conditions of water license no. 2AM-MRY1325, Part H, item 9 (b).</p>				
L	REPORTED TO SPILL LINE BY William Bowden	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	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 	POSITION STATION OPERATOR	EMPLOYER 	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"/> 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					

PAGE 1 OF 1

Figure 2: NT-NU Spill Report



02-08- 2017

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Director, Major Projects
Qikiqtani Inuit Association
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Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #17-008, Reported on January 7, 2017
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 0800 HRS on January 7 2017 during a routine (daily) inspection, a Site Service worker noticed and responded to sewage overflowing from a lift station outside the West AB Wing of the Mine Site Complex (MSC). The lift station pump was not operational due to faulty float switches, causing the holding tanks to overflow. Approximately <200 L of sewage was released to the adjacent camp pad ground surface, impacting an approx. 6 m2 area. This location is greater than 100 m to the nearest water course which is currently frozen.

Immediate and Follow-Up Action:

The pump was shut off and the vacuum truck was used to remove sewage from the lift station which was brought to sewage pond 1. The float switches were replaced on January 7 day shift with a new type of float switch that is reported to be more chemical resistant. The area is currently frozen but best efforts will be made to remove the contamination during the summer.

Recommendations:

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

Current Status:

Modifications to current lift stations are being assessed to improve functionality.

Should you require further information or clarification on the above noted spill, please feel free to contact William Bowden at (647) 253-0596 x6016, Laura Taylor (647) 253- 0596 x6039 or Allan Knight at (647) 253-0596 x6010.

Prepared By:

A handwritten signature in black ink, appearing to read "K. Babin".

Katherine Babin
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "L. Taylor".

Laura Taylor
Environmental Superintendent

Attach: Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Robert Gagne, Anant Minhas, Laura Taylor (Baffinland), Stephen Bathory (QIA), Erik Allain, Sarah Forte, Jonathon Mesher (INAC)

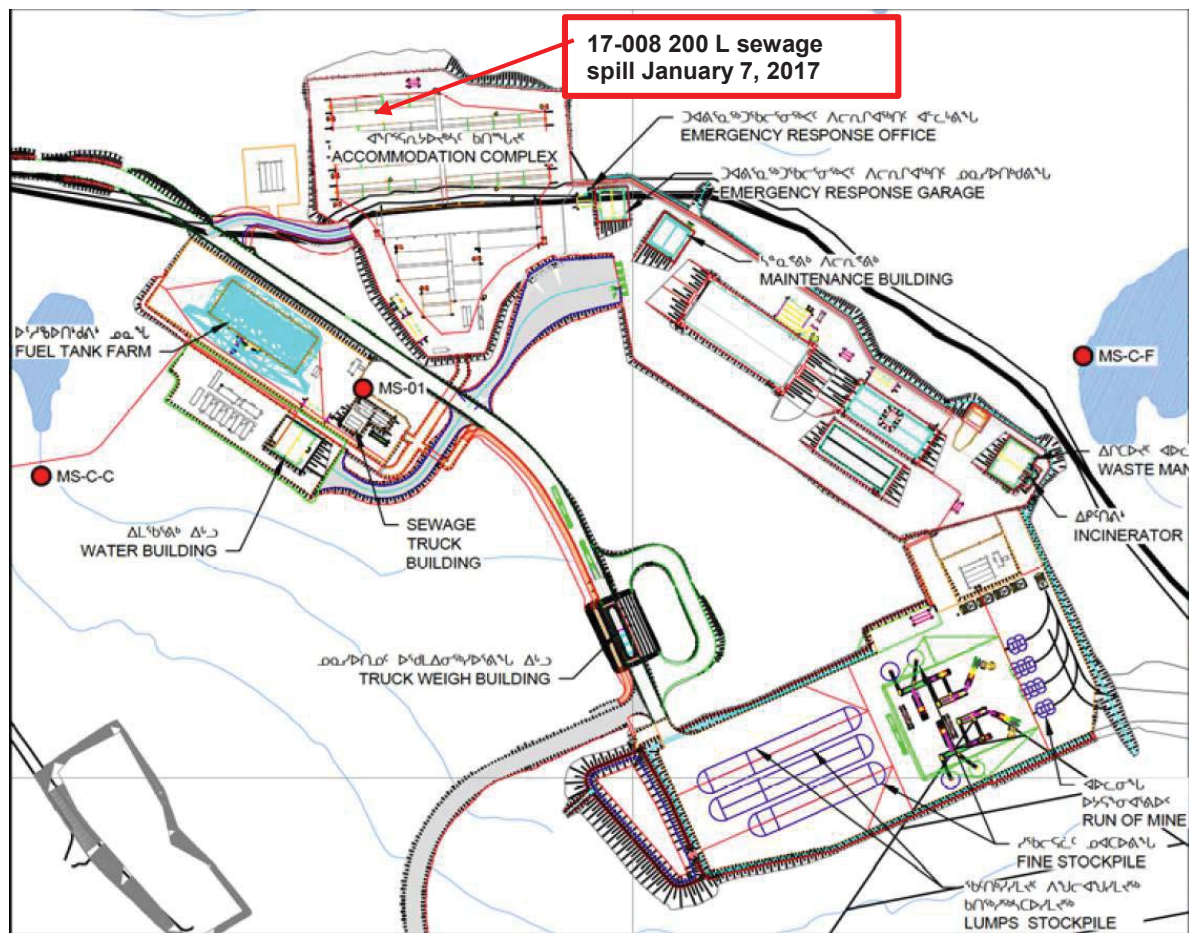


Figure 1 – Map of spill location



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 01-07-2017	REPORT TIME 19:00 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 17 008
B	OCCURRENCE DATE: MONTH - DAY - YEAR 01-07-2017	OCCURRENCE TIME 08:00 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 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 55	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 Raw Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <200 Litres	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 MSC AB West Wing lift station	SPILL CAUSE Flotation switch failure	AREA OF CONTAMINATION IN SQUARE METRES 6 m2	
J	FACTORS AFFECTING SPILL OR RECOVERY Frozen Conditions	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 08:00 HRS on January 7th, during a routine inspection, a Site Service worker noticed and responded to sewage overflowing from a lift station outside the West AB Wing of the Mine Site Complex (MSC). The lift station pump was not operational due to faulty float switches causing the holding tanks to overflow. Approximately <200 L of sewage was released to the adjacent camp pad ground surface, impacting an approx. 6 m2 area. This location is greater than 100 m to the nearest water course (which is currently frozen). The float switches were replaced on day shift January 7 with a new type of float switch that is reported to be more chemical resistant. The area is confined but best efforts will be made to remove the contamination. The investigation of the incident is being completed and the results will be provided in the follow-up report. This spill is being reported as required by the conditions of NWT Water License 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 Laura Taylor	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM 647-253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT 647-253-0596
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"/> LA <input type="checkbox"/> NAC <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 17-008



02-09-2017

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Director, Major Projects
Qikiqtani Inuit Association
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Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #17-012, Reported on January 11th, 2017
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 09:30 HRS on January 11th, during a daily routine inspection, a Site Service worker noticed and responded to sewage leaking from behind the West AF Wing lift station (LS 15) of the Mine Site Complex (MSC). Approximately 500 L of raw sewage was released to the adjacent camp pad ground surface, impacting approximately a 20 m² area. The leak occurred due to a disconnected coupling on the gravity line. The coupling was repaired within several hours of discovery. This location is greater than 100 m to the nearest water body, which is currently frozen.

Immediate and Follow-Up Action:

The Employee immediately reported the leak to his Supervisor, and the Environment Department was notified. The coupling was repaired within hours of being reported. Visual observation of the affected area was impeded by surrounding structures and recent snow fall.

Recommendations:

Modifications to current lift station styles to allow for shifting are being investigated.

Current Status:

Baffinland will continue to perform daily checks of the sewage lines and monitor for potential leaks. The affected area is confined and congested, but best efforts will be made to remove the contamination during the summer months.

Should you require further information or clarification on the above noted spill, please feel free to contact William Bowden / Laura Taylor at (647) 253-0596 x6010 or Jim Millard at (647) 253-0596 x6016

Prepared By:

A handwritten signature in black ink, appearing to read "K. Babin".

Katherine Babin
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "L. Taylor".

Laura Taylor
Environmental Superintendent

Attach: Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Robert Gagne,
Stephen Bathory (QIA), Erik Allain, Scott Burgess, Sarah Forte (INAC).



Photo 1 – Repaired and insulated coupling prior to fiberglass insulation being installed.

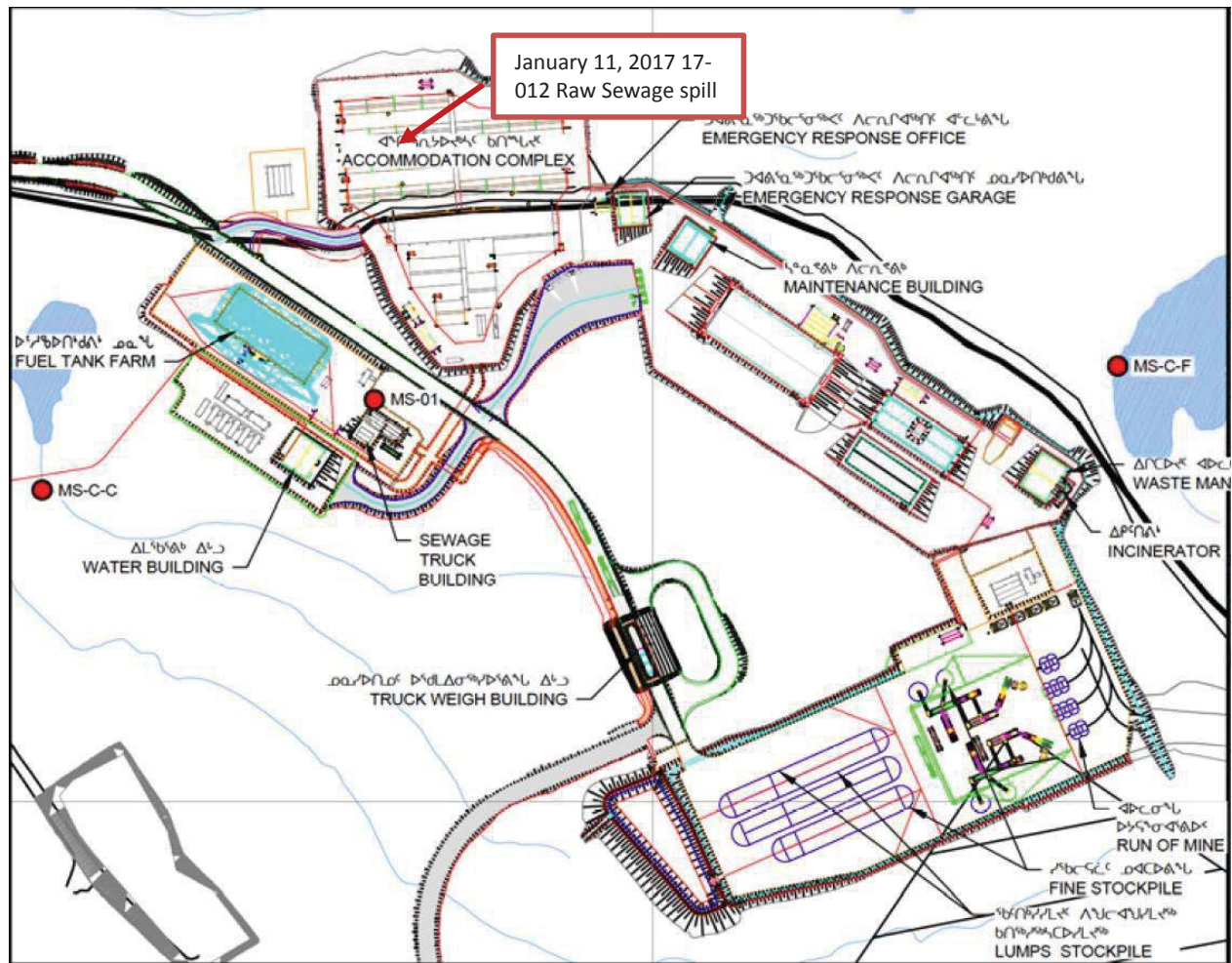


Figure 1: Spill Location AF West Wing



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR 01-11-2017	REPORT TIME 1830 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 17 012
B	OCCURRENCE DATE: MONTH - DAY - YEAR 01-11-2017		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 079 MINUTES 17 SECONDS 03	
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 Raw Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES < 500 Litres	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 Mine Site Complex AF Wing	SPILL CAUSE Pipeline Coupling Separation	AREA OF CONTAMINATION IN SQUARE METRES 20 m2	
J	FACTORS AFFECTING SPILL OR RECOVERY Frozen Conditions	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 09:30 HRS on January 11th, during a routine (daily) inspection, a Site Service worker noticed and responded to sewage overflowing from behind a lift station outside the West AF Wing of the Mine Site Complex (MSC). Approximately <500 L of raw sewage was released to the adjacent camp pad ground surface, impacting an approx. 20 m2 area. This location is greater than 100 m to the nearest water course (which is currently frozen). The pipe was repaired within several hours of discovery. The area is confined and congested, but best efforts will be made to remove the contamination. The investigation of the incident is being completed and the results will be provided in the follow-up report. This spill is being reported as required by the conditions of NWB Water License 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 Laura Taylor	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM 647-253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT 647-253-0596
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		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



February 11th, 2017

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

Re: Follow-up to Spill #17-014, Reported on January 13th, 2017
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On January 13th 2017 at 9:00 HRS a Site Services Fixed Plant employee was completing the routine (daily) checks of the sewage lines and observed steam coming up through the snow behind the east lift station of the AB wing of the Mine Site Complex (LS 10). After removing snow, it was observed that the gravity line feeding the lift station had become separated by a 2 cm gap, allowing sewage to be released on the camp pad. Based on the daily inspection frequency, it is suspected that it had been leaking for less than 12hrs. It is estimated that an approximate volume of 600 L was discharged to the surrounding camp pad. This location is greater than 100 m to the nearest water course which is currently frozen.

Immediate and Follow-Up Action:

The Environment department was notified and completed an inspection at 9:30HRS. Site Services Fixed Plant used a vacuum truck to remove 150L of pooling sewage which was deposited into sewage pond 1. The separated line was repaired and insulated.

Recommendations:

Modifications to current lift station styles to allow for shifting are being investigated, as well as the possibility of using enhanced secondary containment berms. Baffinland will continue to perform daily checks of the sewage lines and monitor for potential leaks.

Current Status:

Baffinland will remove remaining contaminated ground material in the summer months, as constricted working space and frozen conditions are currently limiting.

Should you require further information or clarification on the above noted spill, please feel free to contact William Bowden / Laura Taylor at (647) 253-0596 x6039 or Allan Knight at (647) 253-0596 x6016



Prepared By:

A handwritten signature in black ink, appearing to read "K. Babin".

Katherine Babin
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "L. Taylor".

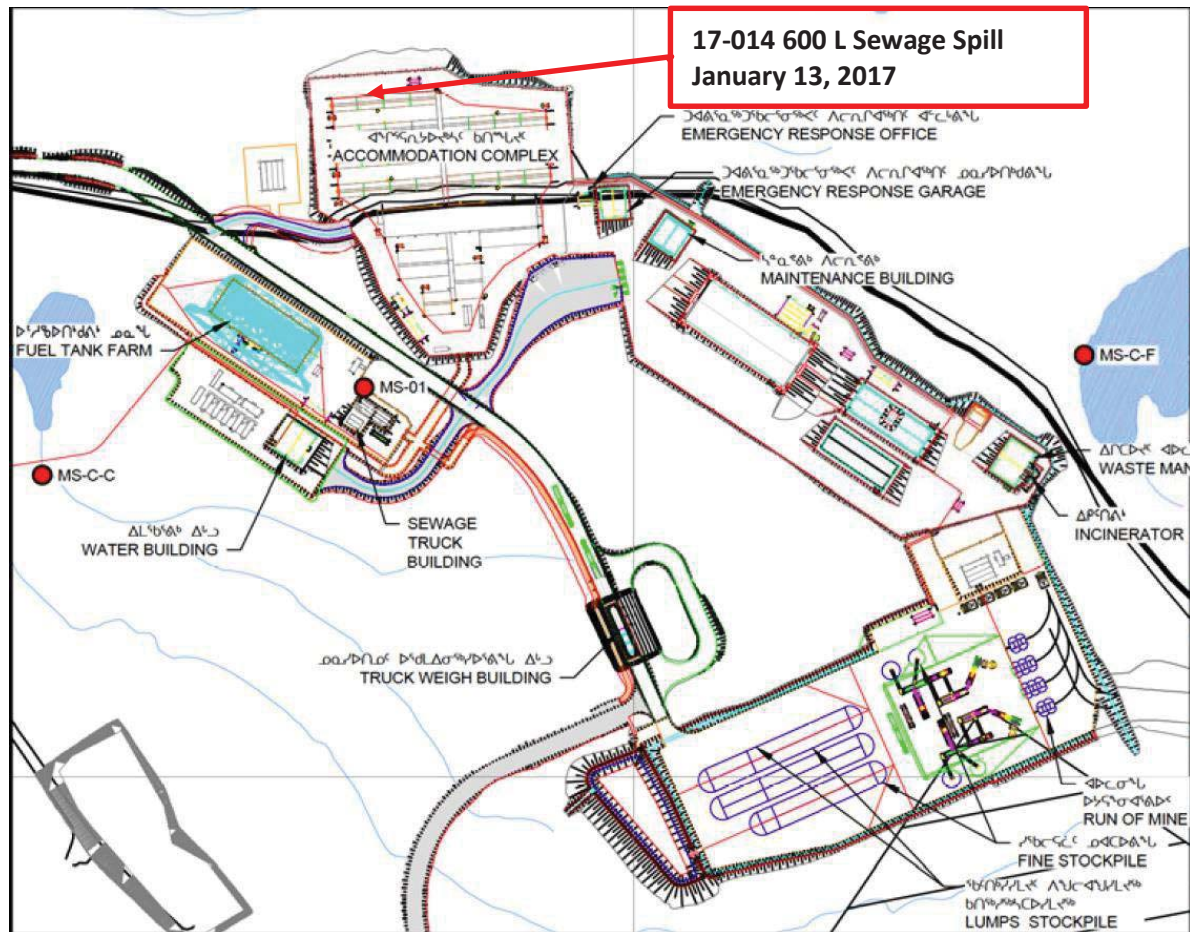
Laura Taylor
Environmental Superintendent

Attach: Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Robert Gagne,
Stephen Bathory (QIA), Erik Allain, Sarah Forte (INAC).



Photo 1: Separated coupling on the gravity line feeding the lift station





Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6924
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR 01-13-2017	REPORT TIME 9:00HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 17 014
B	OCCURRENCE DATE: MONTH - DAY - YEAR 01-13-2017	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 55		LONGITUDE DEGREES 079 MINUTES 17 SECONDS 04	
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 Raw Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES < 600 Litres	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 MSC AB West Wing back of lift st	SPILL CAUSE Coupling Separation	AREA OF CONTAMINATION IN SQUARE METRES Unknown	
J	FACTORS AFFECTING SPILL OR RECOVERY Frozen Conditions	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 January 13 2017 at 9:00 HRS a Site Services Fixed Plant employee observed steam coming up through the snow behind the lift station of the AB wing of the Mine Site Complex. After excavating the snow, the gravity line going into the lift station had become separated by a 4 inch gap, allowing sewage and gray water to be released on the camp pad. The cause of the leak was not immediately known as there was a large build up of snow. It is estimated that an approximate volume of 600 L was discharged to the surrounding camp pad. This location is greater than 200 m to the nearest water course (which is currently frozen). The area is confined and best efforts will be made to remove the contamination. The investigation of the incident is being completed and the results will be provided in the follow-up report. This spill is being reported as required by the conditions of NWB Water License 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 Laura Taylor	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM 647-253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT 647-253-0596
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"/> DCG <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



February 23, 2017

Resource Management Officer
Nunavut Field Operations
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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 #17-026, Reported on January 25, 2017
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 16:00 HRS on January 24th, an employee notified the Environment Department of an odour coming from the AC wing of the Mine Site Complex (MSC). It was observed that the discharge line from the lift station on the South side had separated at an elbow. Upon initial investigation, the heat trace had failed contributing to a frozen discharge line. Approximately 1000 L of sewage was released to the adjacent pad, impacting an area of 120 m². The location of the spill was confined to the MSC camp pad, migrating underneath the complex wing, and is greater than 100 metres from the closest water body which is currently frozen.

Immediate and Follow-Up Action:

The lift station pumps were shut off and the vacuum truck was used to remove sewage from the lift station which was brought to sewage pond 1 (MS-MRY-4a). The area is currently frozen, best efforts will be made to remove the contamination during the summer.

Recommendations:

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

Current Status:

The failed elbow and heat trace have been repaired. Snow removal between the accommodation wings continues.

Should you require further information or clarification on the above noted spill, please feel free to contact William Bowden at (647) 253-0596 x6016, Laura Taylor (647) 253- 0596 x6039 or Allan Knight at (647) 253-0596 x6010.

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 "Bill Bowden".

William Bowden
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Robert Gagne, Anant Minhas, Stephen Bathory (QIA), Erik Allain, Sarah Forte, Jonathon Mesher (INAC)

Photos:



Photo 1 – Discharge line separated at elbow



Photo 2 – Discharge Line Elbow Repaired



Photo 3 – Location of Failed Discharge Line



Photo 4 – Snow Clearing Efforts at Location of Release

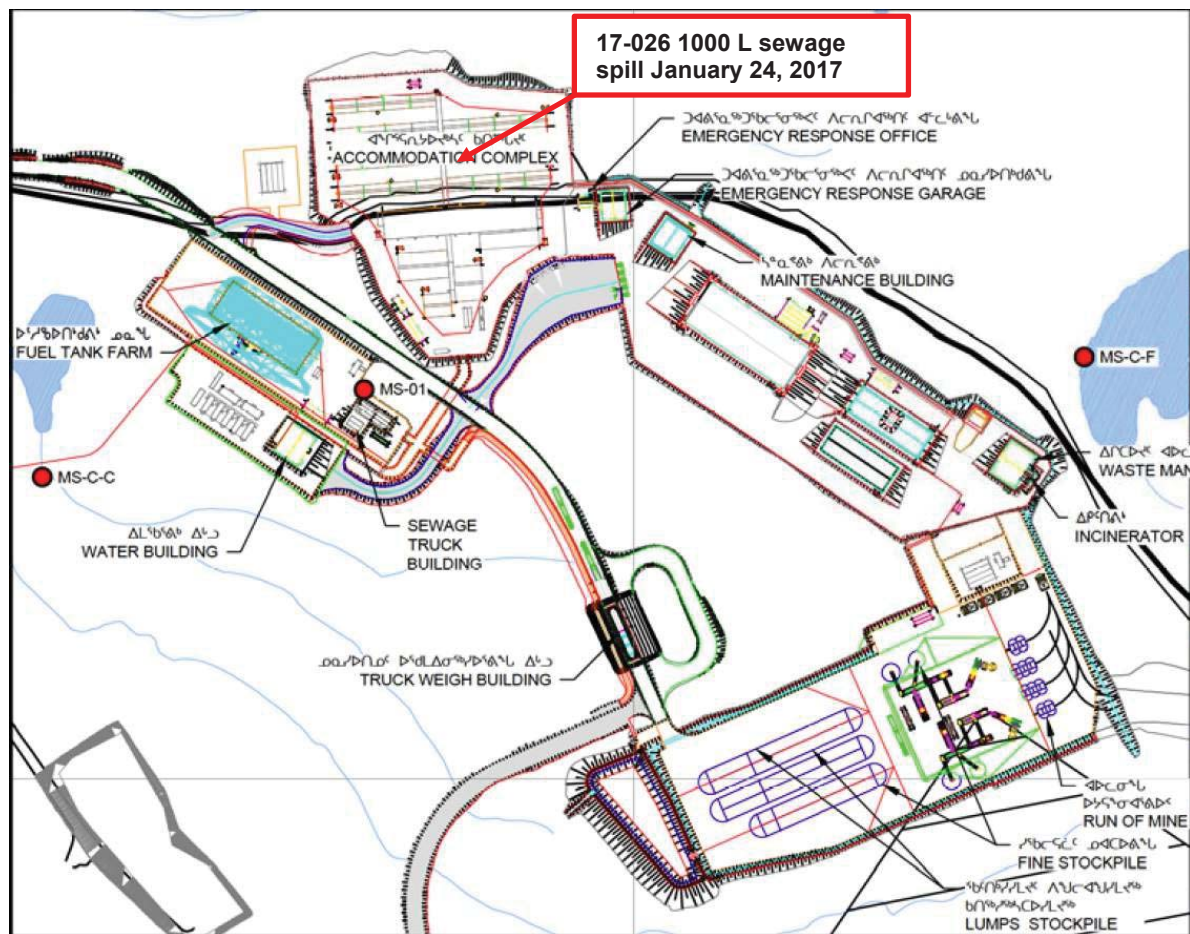


Figure 1 – Map of spill location



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 01-25-2017	REPORT TIME 14:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 17-026
B	OCCURRENCE DATE: MONTH – DAY – YEAR 01-24-2017	OCCURRENCE TIME 16:00			
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 54		LONGITUDE DEGREES 79 MINUTES 16 SECONDS 59		
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 Raw Sewage		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES <1000 Litres	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 discharge line		SPILL CAUSE Frozen discharge line	AREA OF CONTAMINATION IN SQUARE METRES 120m2	
J	FACTORS AFFECTING SPILL OR RECOVERY Congested area, snow and ice		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 16:00 HRS on January 24th, an employee notified the environment department of an odour coming from AC wing. It was observed that the discharge line from the lift station on the South side had separated at an elbow. The lift station pumps were immediately turned off and the lift station was pumped out by vacuum truck. Upon initial investigation, the heat trace had failed contributing a frozen discharge line. Approximately 1000 L of sewage was released to the adjacent pad, impacting an area of 120 m2. The location of the spill was confined to the Mine Site Complex pad, migrating underneath the complex wing, and is greater than 100 metres from the closest water body which is currently frozen. The investigation and repairs are 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 license 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 William Bowden	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM 647-253-0596	TELEPHONE ext. 6016
M	ANY ALTERNATE CONTACT Wayne McPhee	POSITION Dir. Sust Development	EMPLOYER Baffinland	ALTERNATE CONTACT Off Site	ALTERNATE TELEPHONE 5088
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 17-026



March 1, 2017

Resource Management Officer
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Indigenous and Northern Affairs Canada
Box 100
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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 #17-032, Reported on January 31, 2017
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 16:00 HRS on January 31st 2017, housing maintenance was performing routine inspections when they noticed an ice impacted area below the MSC laundry wing. It was observed that the discharge line from the three industrial washing machines had separated at an elbow. Upon investigation, it is expected that extreme temperatures caused expansion and contraction leading to the pipe fitting failure. Approximately 2 m3 of grey water was released to the below pad. The location of the spill was confined to the Mine Site Complex pad, underneath the laundry complex wing, and is greater than 100 metres from the closest water body which is currently frozen.

Immediate and Follow-Up Action:

All three washing machines were shut off and a new elbow was installed on the discharge line. The area is currently frozen, best efforts will be made to remove the contamination during the summer.

Recommendations:

Continue routine inspections of all grey water lines, sewage lines and lift stations to ensure all components are functioning as designed.

Current Status:

The failed elbow has been repaired and laundry room discharge line is functional.

Should you require further information or clarification on the above noted spill, please feel free to contact William Bowden or Laura Taylor at (647) 253-0596 x6016 or Allan Knight at (647) 253-0596 x6010.

Prepared By:

A handwritten signature in black ink, appearing to read "K. Babin".

Katherine Babin
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "L. Taylor".

Laura Taylor
Environmental Superintendent

Attach: Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Robert Gagne (Baffinland) Stephen Bathory (QIA), Erik Allain, Sarah Forte, Jonathon Mesher (INAC)



Photo 1 – Separation of elbow on discharge line of industrial washing machines



Photo 2 - Repaired elbow on discharge line of industrial washing machines

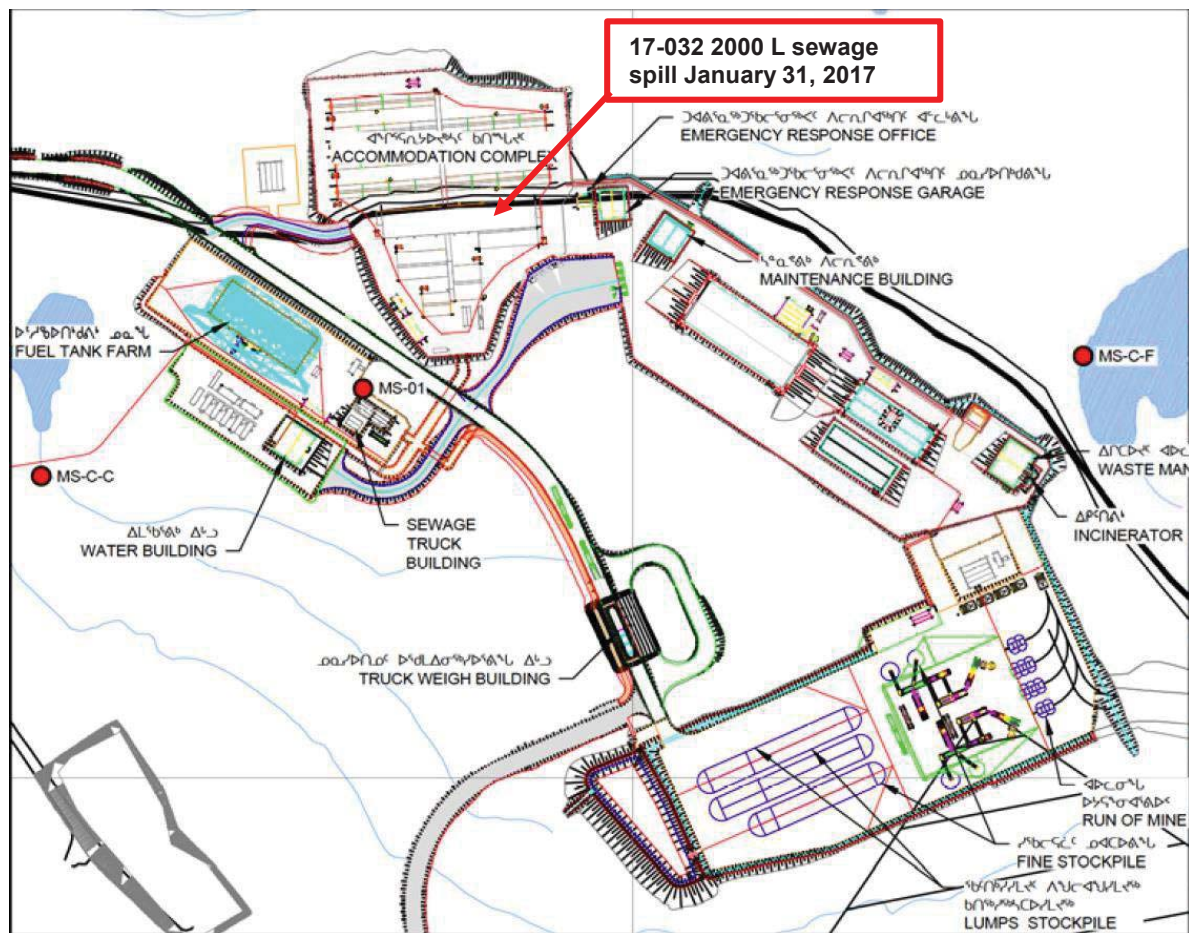


Figure 1 – Map of spill location



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 01-31-2017	REPORT TIME 11:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 17-032
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		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 71 MINUTES 18 SECONDS 52		LONGITUDE DEGREES 79 MINUTES 17 SECONDS 02		
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 Approx. 2000 Litres	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 industrial washing machines	SPILL CAUSE Discharge pipe fitting failure	AREA OF CONTAMINATION IN SQUARE METRES		
J	FACTORS AFFECTING SPILL OR RECOVERY Below complex, snow and ice	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 16:00 HRS on January 31st, housing maintenance was performing routine inspections when they noticed an ice impacted area below the MSC laundry wing. It was observed that the discharge line from the three washing machines had separated at an elbow. All three washing machines were shut off and a new elbow was installed. Upon initial investigation, it is expected that extreme temperatures caused expansion and contraction leading to the pipe fitting failure. Approximately 2 m3 of grey water was released to the below pad. The location of the spill was confined to the Mine Site Complex pad, underneath the laundry complex wing, and is greater than 100 metres from the closest water body which is currently frozen. The investigation and repairs are 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 license 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 William Bowden	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM 647-253-0596	TELEPHONE ext. 6016
M	ANY ALTERNATE CONTACT Laura Taylor	POSITION Env. Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT Off Site	ALTERNATE TELEPHONE 519 870 9274
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"/> 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					

PAGE 1 OF 1

Figure 2 – NT-NU Spill report 17-032



January 31, 2017

Resource Management Officer
Nunavut Field Operations
Indigenous and Northern Affairs 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 #17-001, Reported on January 1, 2017
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 01:00 on January 1st, housing maintainers responded to a report of sewage backing up into the Mine Site Weatherhaven dry. Upon inspection the lift station pumps were dead heading, not pumping sewage through the discharge line, causing the holding tanks to overflow. Upon investigation, the spill source was determined to be a frozen discharge line, resultant of a faulty heat trace, causing the pipe to split apart. Approximately 250 L of sewage was released to the adjacent pad, impacting an area of 9m². The location of the spill was confined to the Weatherhaven Camp pad and is greater than 100 metres from the closest water body which is currently frozen.

Immediate and Follow-Up Action:

The lift station sewage sources were cordoned off to prevent further spill. A new lift station was installed closer to the Mine Site Weatherhaven dry and the discharge line, and heat traces were replaced.

Recommendations:


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

Current Status:


A new lift station and discharge line were installed and are back in service and functioning properly.

Should you require further information or clarification on the above noted spill, please feel free to contact William Bowden at (647) 253-0596 x6016, Laura Taylor (647) 253- 0596 x6016 or Allan Knight at (647) 253-0596 x6010.

Prepared By:


Connor Devereaux,
Environmental Coordinator

Reviewed by:


William Bowden
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Robert Gagne, Anant Minhas, Laura Taylor (Baffinland), Stephen Bathory (QIA), Scott Burgess, Erik Allain, Sarah Forte, Jonathon Mesher (INAC).



Photo 1 – Lift Station Spill



Photo 2 – Lift Station Spill Post Clean Up



Photo 3 – New Lift Station and Discharge Line

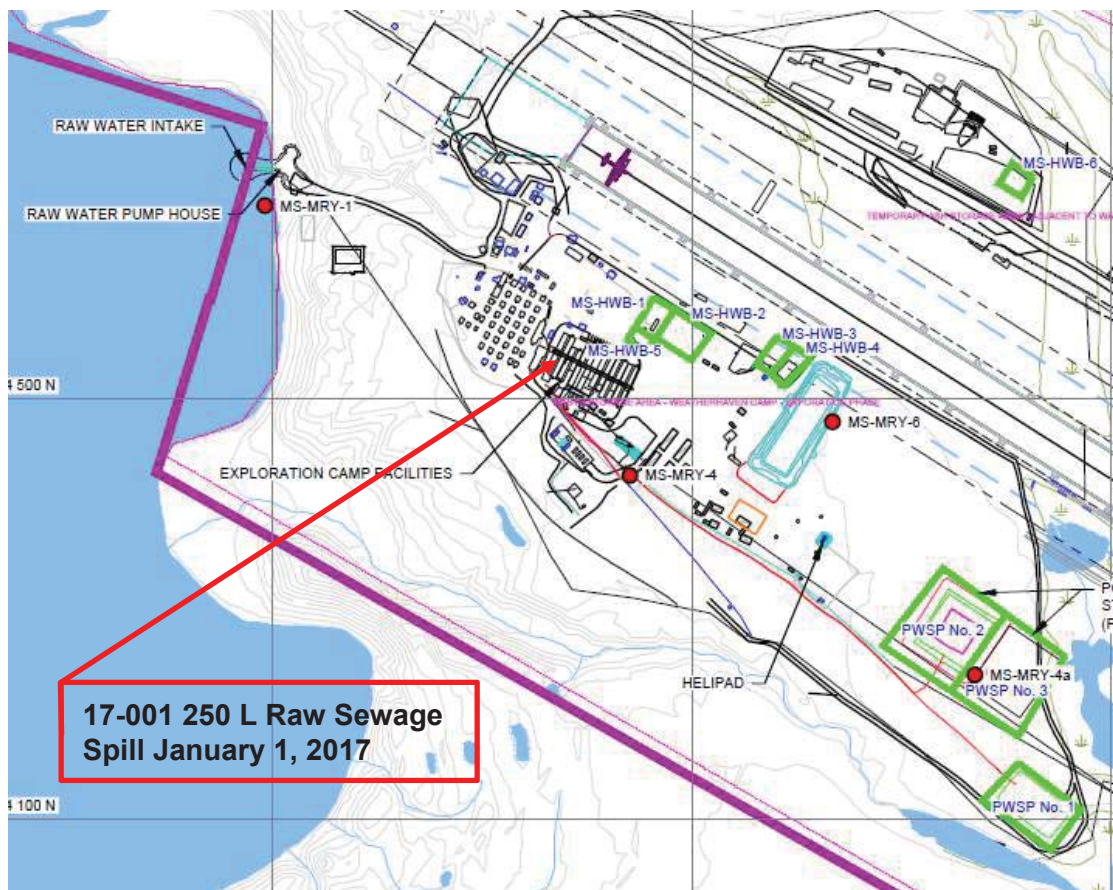


Figure 1 - Spill Location



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 17-001	
	01-01-2017	21:45			
B	OCCURRENCE DATE: MONTH – DAY – YEAR	OCCURRENCE TIME			
	01-01-2017	02:00			
C	LAND USE PERMIT NUMBER (IF APPLICABLE)	WATER LICENCE NUMBER (IF APPLICABLE)			
	IOL - Commercial Lease: Q13C301	2AM-MRY1325 Type "A"			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION	REGION			
	Mary River 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 33	DEGREES 79 MINUTES 22 SECONDS 29			
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			
	N/A	N/A			
H	PRODUCT SPILLED	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
	Raw Sewage	250 Litres	N/A		
I	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
	N/A	N/A	N/A		
J	SPILL SOURCE	SPILL CAUSE	AREA OF CONTAMINATION IN SQUARE METRES		
	Weatherhaven dry lift station	Frozen discharge line	9m2		
K	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT		
	Severe winter storm	N/A	N/A		
L	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS				
	<p>At 01:00 HRS on January 1st, housing maintainers responded to a report of sewage backing up into the Mine Site Weatherhaven dry. Upon inspection the lift station pumps were dead heading, not pumping sewage through the discharge line, causing the holding tanks to alarm and overflow. The lift station sewage sources were cordoned off to prevent further spill. The suspected initial cause is a frozen discharge line. Approximately 250 L of sewage was released to the adjacent pad, impacting an area of 9m2. The location of the spill was confined to the Weatherhaven Camp pad and is greater than 100 metres from the closest water body which is currently frozen. The investigation and repairs are 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 license no. 2AM-MRY1325, Part H, item 9 (b) pursuant to subsection 12(3) of the Nunavut Waters and Nunavut Surface Rights Tribunal Act.</p>				
M	REPORTED TO SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLING FROM	TELEPHONE
	William Bowden	Env. Superintendent	Baffinland	647-253-0596	ext. 6016
N	ANY ALTERNATE CONTACT	POSITION	EMPLOYER	ALTERNATE CONTACT	ALTERNATE TELEPHONE
	Jim Millard	Env. Manager	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"/> COG <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					

PAGE 1 OF 1

Figure 2 – NT-NU Spill Report



Resource Management Officer
Nunavut Field Operations
Indigenous and Northern Affairs Canada
Box 100
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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 #17-045, Reported on February 15, 2017
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On February 14, 2017 at 22:00, the operator of the vacuum truck had just pumped out LS 6 (Mine Site Complex AC wing south) and was performing off load at the Waste Water Treatment Plant (WWTP) when he noticed a pool of liquid when backing up to the off load. The trail of untreated waste went from the WWTP along the road back to the AC wing lift station that he had just pumped out. Approximately 2000 L of sewage was released to the camp pad and road surface in a 300 metre trail 30-40 cm wide.

The location of the spill was confined to the Mine Site Complex pad, road surface and WWTP pad, and is greater than 100 metres from the closest water body which is currently frozen.

Immediate and Follow-Up Action:

The operator immediately notified his supervisor, and the Environment department was notified and advised of required clean-up measures.

Recommendations:

Routine inspections of the parts of the vac truck should be completed to ensure all components are functioning as designed and there is no worn out or damaged parts.

Current Status:

The ball valve was replaced and the contaminated snow was scraped up with a grader and deposited in the sewage treatment pond #1

Should you require further information or clarification on the above noted spill, please feel free to contact William Bowden at (647) 253-0596 x6016, Laura Taylor (647) 253- 0596 x6039 or Allan Knight at (647) 253-0596 x6010.

Prepared By:

A handwritten signature in black ink, appearing to read "K Babin".

Katherine Babin
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "Laura Taylor".

Laura Taylor
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Robert Gagne, Stephen Bathory (QIA), Erik Allain, Sarah Forte, Jonathon Mesher (INAC)

Photos:



Photo 1 – Trail of sewage at the MSC camp pad



Photo 2 – Trail of sewage at the WWTP where it was first noticed



Photo 3 – New ball valve installed on the intake of the vac truck

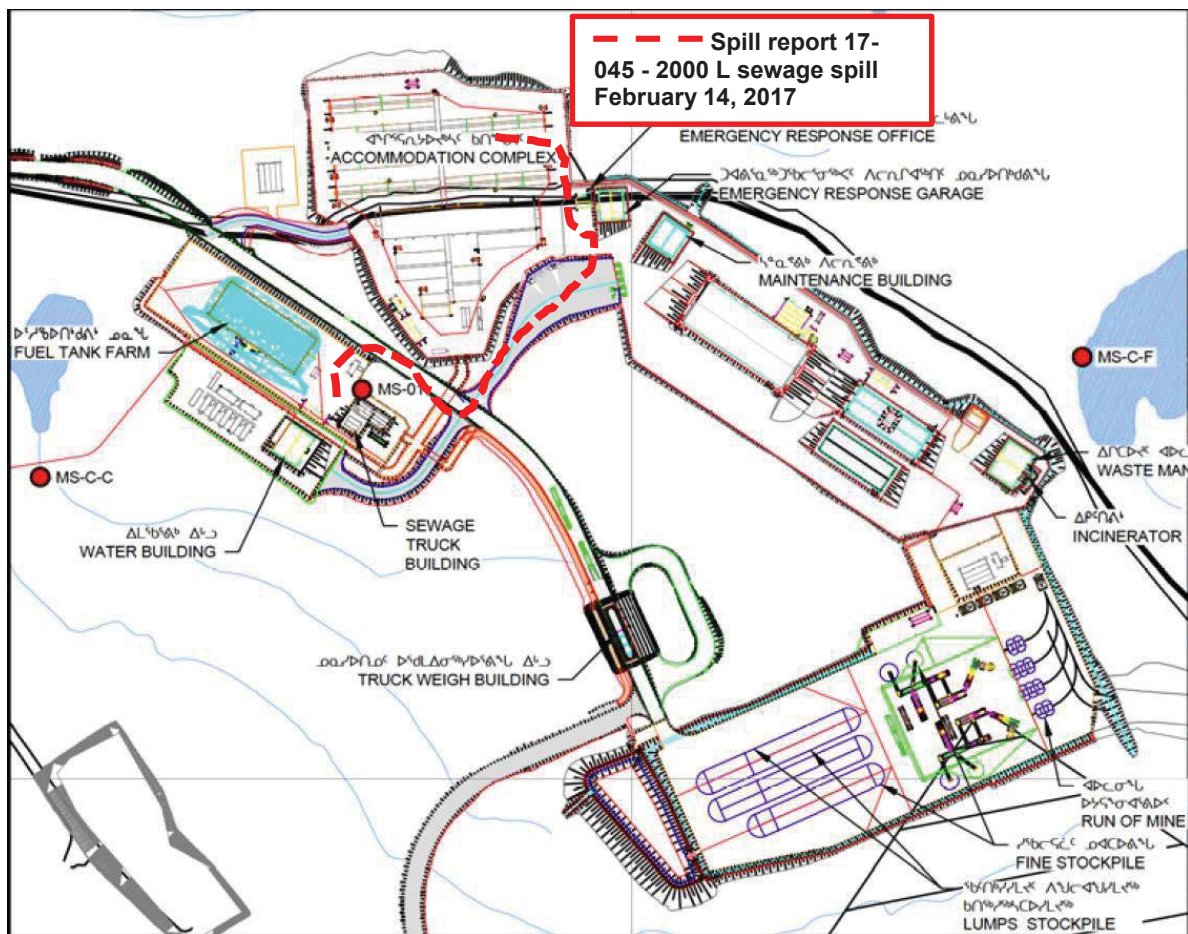


Figure 1 – Map of spill location



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

A REPORT DATE: MONTH - DAY - YEAR 02-15-2017		REPORT TIME 21:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT		REPORT LINE USE ONLY REPORT NUMBER 17-045
B OCCURRENCE DATE: MONTH - DAY - YEAR 02-14-2017		OCCURRENCE TIME 22:00			
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 49		LONGITUDE DEGREES 79 MINUTES 17 SECONDS 05			
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 Sewage (untreated)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 2m3	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 Vacuum Truck		SPILL CAUSE Failed Valve	AREA OF CONTAMINATION IN SQUARE METRES Approx. 120 m2		
J FACTORS AFFECTING SPILL OR RECOVERY camp pad & road / ice		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 February 14, 2017 at 22:00, the operator of the vacuum truck had just pumped out LS 6 (Mine Site Complex AC wing south) and was performing off load at the WWTP when he noticed a pool of liquid when backing up to the off load. The trail of untreated waste went from the WWTP back to the AC wing lift station that he had just pumped out. Approximately 2 cubic metres of sewage was released to the camp pad and road surface in a 300 metre trail 30-40 cm wide. The location of the spill was confined to the Mine Site Complex pad, road surface and WWTP pad, and is greater than 100 metres from the closest water body which is currently frozen. The investigation is 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 license 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 6010
M ANY ALTERNATE CONTACT Wayne McPhee		POSITION Dir. Sust Development	EMPLOYER Baffinland	ALTERNATE CONTACT Off Site	ALTERNATE TELEPHONE ext 5088
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"/> 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		
AGENCY			FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED		
CONTACT NAME		CONTACT TIME		REMARKS	
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					

PAGE 1 OF 1

Figure 2 – NT-NU Spill report 17-045



March 28, 2017

Resource Management Officer
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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 #17-061, Reported on February 28, 2017
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On February 28, 2017 at 13:15 HRS, the operator of a CAT 777 mine haul truck was driving up the Mine Haul Road when a low coolant indicator came on. The operator investigated and discovered that a coolant hose had failed. Approximately 120L of coolant was released to the road surface from KM 108.5 to the entrance of the 640 bench at the Mine in a trail approximately 30 cm wide. The immediate cause of the spill was a hose failure, which was subsequently replaced prior to equipment start-up. The location of the spill was confined to the Mine Haul Road surface, on IOL, with no possibility of migrating and is greater than 100 metres from the closest water body which is currently frozen.

Immediate and Follow-Up Action:

The operator notified the Mine Operations Supervisor and the Environment Department. A spill tray was placed underneath the CAT 777 while repairs were performed. Spill pads and secondary containment were used to mitigate the spill and the contaminated snow was scraped up and disposed of in Quatrex bags. The Quatrex bags were then transported to the snow dump at Milne Port, a lined engineered containment facility.

Recommendations:


Preventative maintenance inspection programs for Cat 777s are continuing to be implemented to reduce operational breakdowns and resultant spills.

Current Status:


The coolant line was replaced and the Cat 777 was put back into service. The affected area was cleaned up and the contaminated snow was placed in the snow dump a lined engineered containment facility.

Should you require further information or clarification on the above noted spill, please feel free to contact William Bowden at (647) 253-0596 x6016, Laura Taylor (647) 253- 0596 x6016 or Allan Knight at (647) 253-0596 x6010.

Prepared By:


Connor Devereaux,
Environmental Coordinator

Reviewed by:


William Bowden
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Robert Gagne, Josh Manning, Adam Gyorffy Stephen Bathory (QIA), Erik Allain, Sarah Forte, Jonathon Mesher (INAC)



Photo 1 – Trail of coolant 30 cm wide on the Mine Haul Road



Photo 2 – Spill tray placed underneath CAT 777 while repairs were performed



Photo 3 – Contaminated snow being removed from the surface of the Mine Haul Road



Figure 1 – Map of 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 02-28-2017	REPORT TIME 16:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 17-061
B	OCCURRENCE DATE: MONTH - DAY - YEAR 02-28-2017	OCCURRENCE TIME 13:15		
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 20 SECONDS 03		LONGITUDE DEGREES 79 MINUTES 12 SECONDS 20	
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 coolant	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 120L	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 CAT 777 Mine Haul Truck	SPILL CAUSE Radiator hose failure	AREA OF CONTAMINATION IN SQUARE METRES Approx. 240m ²	
J	FACTORS AFFECTING SPILL OR RECOVERY Mine Haul Road / Ice	DESCRIBE ANY ASSISTANCE REQUIRED loader	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>On February 28, 2017 at 13:15, the operator of a CAT 777 mine haul truck was driving up the Mine Haul Road when a low coolant indicator came on. The operator investigated and discovered that a coolant hose had failed; Environment and his supervisor were notified immediately. Approximately 120L of coolant was released to the road surface from KM 108.5 to the entrance of the 640 bench at the Mine in a trail approximately 30 cm wide. Spill pads and secondary containment were used to mitigate the spill and the contaminated snow was scraped up and disposed of in Quatrex bags. The location of the spill was confined to the Mine Haul Road surface with no possibility of migrating and is greater than 100 metres from the closest water body which is currently frozen. The investigation is 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 license no. 2AM-MRY1325, Part H, item 9 (b) as per subsection 12(3) of the Nunavut Waters and Nunavut Surface Rights Tribunal Act.</p>			
L	REPORTED TO SPILL LINE BY William Bowden	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM 647-253-0596
M	ANY ALTERNATE CONTACT Wayne Mcphee	POSITION Dir. Sust Development	EMPLOYER Baffinland	ALTERNATE CONTACT Off Site
TELEPHONE ext 6016				
ALTERNATE TELEPHONE ext 5088				
REPORT LINE USE ONLY				
N	RECEIVED AT SPILL LINE BY STATION OPERATOR	POSITION	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"/> 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				

PAGE 1 OF

Figure 2 – NT-NU Spill report 17-061

April 1, 2017

Resource Management Officer
Nunavut Field Operations
Indigenous and Northern Affairs Canada
Box 100
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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 #17-063, Reported on March 01, 2017
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 06:00 HRS on March 1st, housekeeping staff alerted housing maintenance of a liquid pooling outside of the PSC. It was observed that the lift station from the laundry room had overflowed from the three washing machines. Housing maintainers placed the pumps in manual mode to pump down the tanks. Upon investigation, it was determined that the flow to the pumps was restricted causing them to time out. Approximately 1 m3 of grey water was released to the adjacent pad, impacting an area of 25 m2. The location of the spill was confined to the Port Site Complex pad, and is greater than 100 metres from the closest water body which is currently frozen.

Immediate and Follow-Up Action:

All three washing machines were shut off and pumps switched into manual mode to pump down the lift station. Contaminated snow was scraped using a loader and placed in the PWSP at Milne Port. The pumps were relocated to allow for sufficient flow to the intake.

Recommendations:

Continue routine inspections of all grey water lines, sewage lines and lift stations to ensure all components are functioning as designed.

Current Status:

The pumps were relocated within the tank and lift station is fully functional.

Should you require further information or clarification on the above noted spill, please feel free to contact William Bowden or Laura Taylor at (647) 253-0596 x6016 or Allan Knight at (647) 253-0596 x6010.

Prepared By:

A handwritten signature in black ink, appearing to read "Connor Devereaux".

Connor Devereaux
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "Laura Taylor".

Laura Taylor
Environmental Superintendent

Attach: Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Robert Gagne, Gordon Mudryk, Harold Audet (Baffinland) Stephen Bathory (QIA), Erik Allain, Sarah Forte, Jonathon Mesher (INAC)



Photo 1: Grey water spill at Milne Port laundry lift station



Photo 2: Snow removed to PWSP

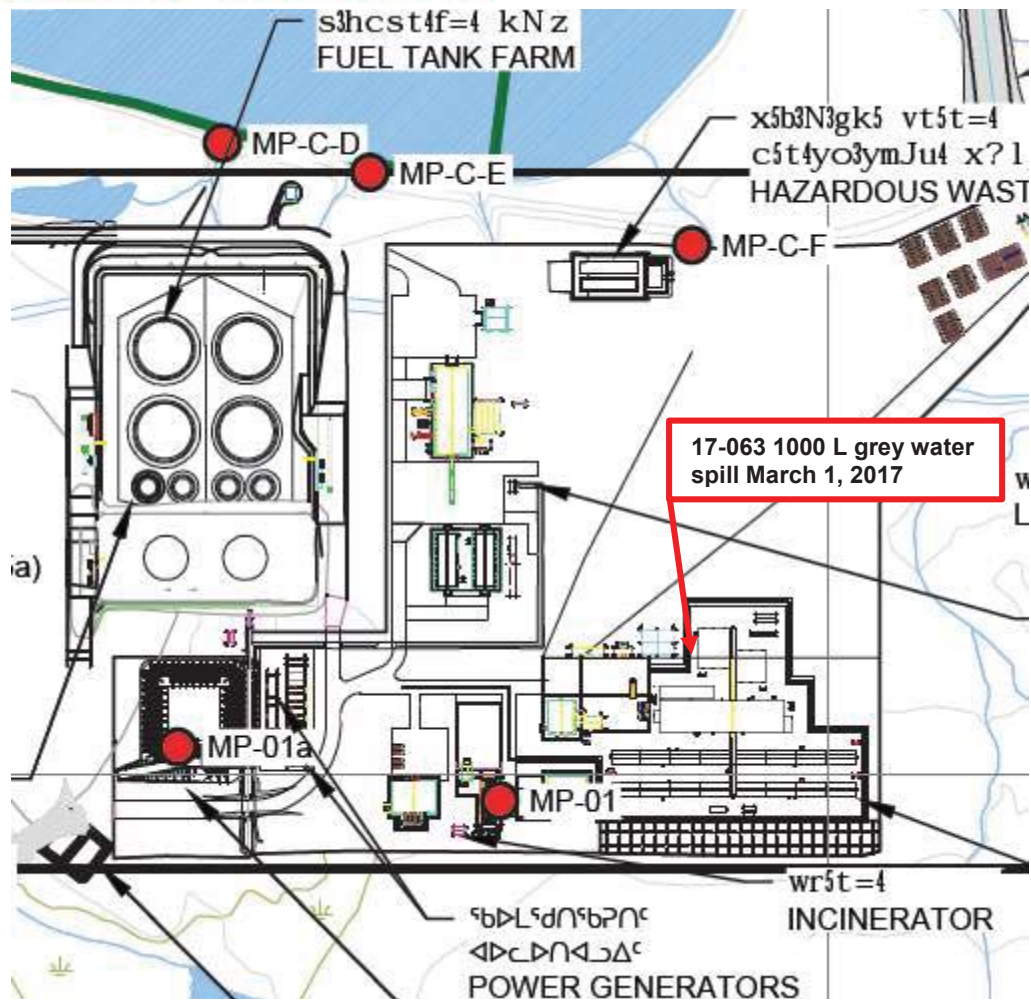





Figure 1 – Map of spill location

Figure 2 – NT-NU Spill report 17-063

  		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) 973-6004 EMAIL: spills@gov.nt.ca</small>	
REPORT LINE USE ONLY					
A	REPORT DATE: MONTH - DAY - YEAR 03-01-2017	REPORT TIME 6:00am	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 17-063
B	OCCURRENCE DATE: MONTH - DAY - YEAR 03-01-2017	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 53 SECONDS 49		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 12		
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 <1000 Litres	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	SPIII SOURCE Industrial washing machines	SPIII CAUSE Mechanical failure circuit board	AREA OF CONTAMINATION IN SQUARE METRES 25 m2		
J	FACTORS AFFECTING SPILL OR RECOVERY Congested area, snow and ice	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 06:00 HRS on March 1st, housekeeping staff alerted housing maintenance of a liquid pooling outside of the PSC. It was observed that the lift station from the laundry room had overflowed from the three washing machines. Housing maintainers placed the pumps in manual mode to pump down the tanks. Upon initial investigation, it is expected that there was mechanical failure with the pump control circuit board. Approximately 1 m3 of grey water was released to the adjacent pad, impacting an area of 25 m2. The location of the spill was confined to the Port Site Complex pad, and is greater than 100 metres from the closest water body which is currently frozen. The investigation and repairs are 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 license 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 Laura Taylor	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM 647-253-0596	TELEPHONE ext. 6016
M	ANY ALTERNATE CONTACT Wayne McPhee	POSITION Dir. Sust Development	EMPLOYER Baffinland	ALTERNATE CONTACT Off Site	ALTERNATE TELEPHONE 5088
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"/> DGC <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					



April 2, 2017

Resource Management Officer
Nunavut Field Operations
Indigenous and Northern Affairs Canada
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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 #17-068, Reported on March 04, 2017
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On February 28th, it was noticed that a different process was being used to move treated effluent to its discharge point due to a frozen transfer line. The vacuum truck that transports raw sewage to the wastewater treatment plant (WWTP) was also used to ship treated sewage to the discharge point MP-01. A due diligence sample was taken to determine the discharged water quality. Results of the analysis showed an exceedance of fecal coliforms above effluent quality discharge limits for sewage treatment facilities to the ocean outlined in the NWB Water License No. 2AM-MRY1325 – Amendment No. 1.

Immediate and Follow-Up Action:

Immediate efforts were put in place to source an alternate method to ship treated effluent to the discharge location. A non-contaminated water truck was sourced to transport the treated effluent from the WWTP to the discharge location (MP-01). Water samples were collected on March 7th and March 21st to monitor discharge water quality from the newly sourced water truck. Laboratory results were well below effluent quality discharge limits for sewage treatment facilities to the ocean (refer to Appendix A).

Recommendations:

Repair treated effluent discharge pipeline once weather becomes suitable for repairs to be completed. Construct a back up treated effluent discharge pipeline in summer 2017.

Current Status:

A non-contaminated water truck is currently transporting the treated effluent from the WWTP to the discharge location.

Should you require further information or clarification on the above noted spill, please feel free to contact William Bowden or Laura Taylor at (647) 253-0596 x6016 or Allan Knight at (647) 253-0596 x6010.

Prepared By:

A handwritten signature in black ink, appearing to read "Connor Devereaux".

Connor Devereaux
Environmental Coordinator

Reviewed by:

Laura Taylor
Environmental Superintendent

Attach: Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Robert Gagne, Gordon Mudryk, Harold Audet (Baffinland) Stephen Bathory (QIA), Erik Allain, Sarah Forte, Jonathon Mesher (INAC)



Photo 1: Contaminated vac truck used to transport raw sewage to WWTP



Photo 2 - Dust Suppressant water truck used to transport treated effluent



Photo 3: Water truck discharging treated effluent at the discharge point MP-01 on March 25, 2017.

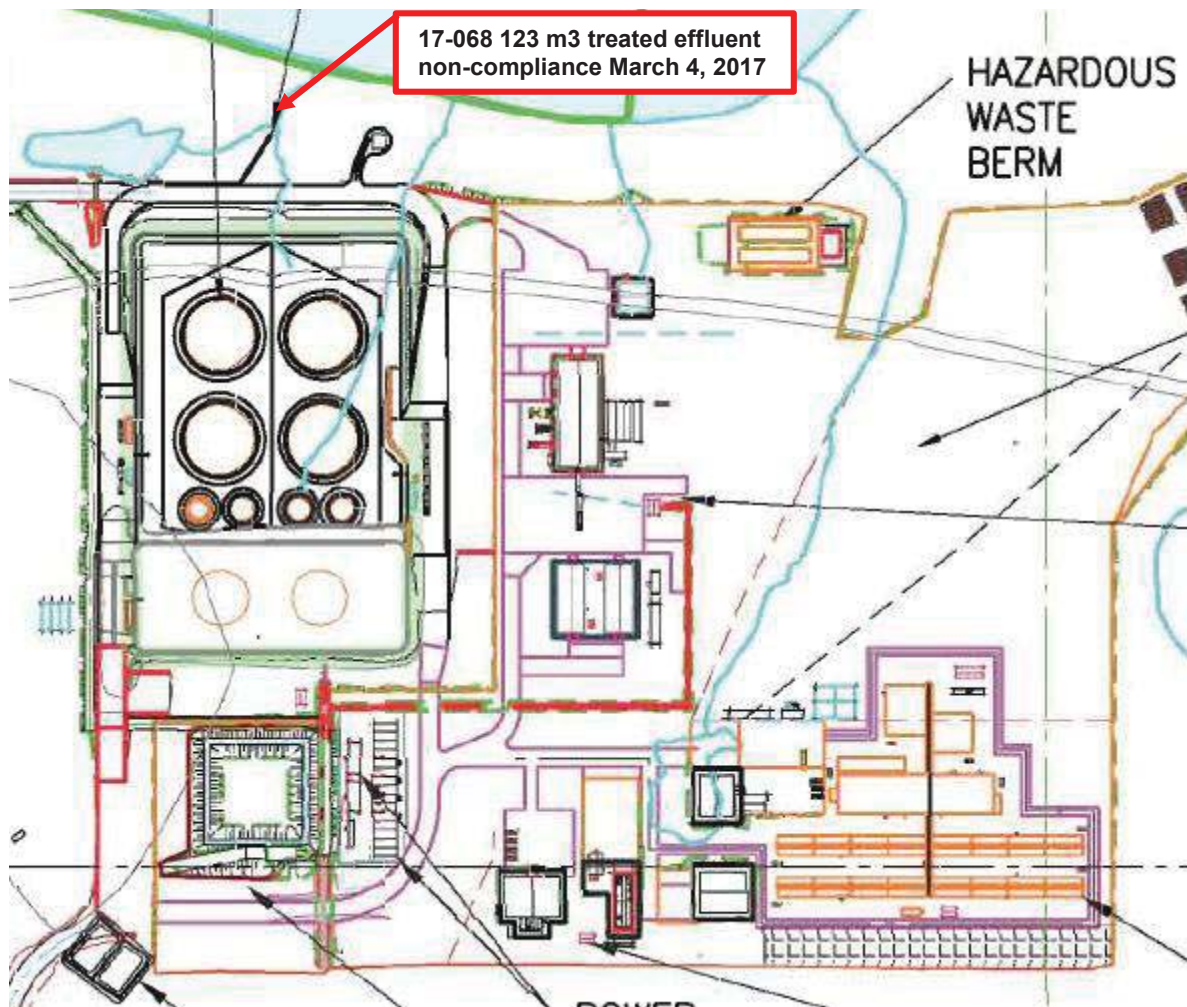


Figure 1 – Map of non-compliance location



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 03-04-2017	REPORT TIME 18:00 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 17
B	OCCURRENCE DATE: MONTH - DAY - YEAR 04-03-2017	OCCURRENCE TIME 18:00 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 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 53 SECONDS 13		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 42	
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 Treated Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 120 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 Treated Effluent MP-01	SPILL CAUSE Fecal Coliform Exceedance	AREA OF CONTAMINATION IN SQUARE METRES N/A	
J	FACTORS AFFECTING SPILL OR RECOVERY Frozen Conditions	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 February 28th, it was noticed that a different process was being used to move treated effluent to its discharge point due to a frozen transfer line. The vacuum truck that transports raw sewage to the WWTP was also used to ship treated sewage to the discharge point MP-01. A due diligence sample was taken to determine the discharged water quality. Results of the analysis showed an exceedance of fecal coliforms above the allowed limit. Immediate efforts were put in place to source an alternate method to ship treated effluent and is now currently operational. A non - contaminated water truck is currently transporting the treated effluent from the WWTP to the discharge location. The area is confined but best efforts will be made to remove the contamination. The investigation of the incident is being completed and the results will be provided in the follow-up report. This spill is being reported as required by the conditions of NWB Water License 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 Laura Taylor	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM 647-253-0596
M	ANY ALTERNATE CONTACT Wayen McPhee	POSITION Env. Director	EMPLOYER Baffinland	ALTERNATE CONTACT 416-996-5523
REPORT LINE USE ONLY				
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT
LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC			SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN	
AGENCY			FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED	
CONTACT NAME			REMARKS	
CONTACT TIME				
LEAD AGENCY				
FIRST SUPPORT AGENCY				
SECOND SUPPORT AGENCY				
THIRD SUPPORT AGENCY				

PAGE 1 OF 1

Figure 2 – NT-NU Spill report 17-068