

APPENDIX E.7.4
FOLLOW-UP SPILL REPORTS



January 30th, 2015

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

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

Re: Follow-up to Spill 15-003 Reported on January 2nd, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On January 2, 2015 an operator discovered untreated sewage around on the kitchen lift stations. Approximately 500-600 litres of sewage had overflowed the lift station based on the area of frozen sewage. The lift station pumps were turned off, and the vacuum truck used to pump down the lift station. It was discovered that the discharge line was frozen at the point where it enters the MSC. The location of the spill was on the camp pad and greater than 200 metres from the stream to the north.

Immediate and Follow-Up Action:

The line was isolated, and required to be cut in order to thaw it out. The heat trace circuit breaker was found to have been tripped. This lift station only receives sewage from two small washroom and one small sink and therefore pumps over very infrequently.

Recommendations:

The discharge line needs to be re-plumb so that it is self-draining. Ongoing routine inspection of the piping systems are required to inspect for leaks and potential locations of failure. A longer term plan to solve this issue is in development.

Current Status:

The system is back in service and regular inspections are conducted on the sewage lift station and sewer lines to verify there is no leakage throughout.

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

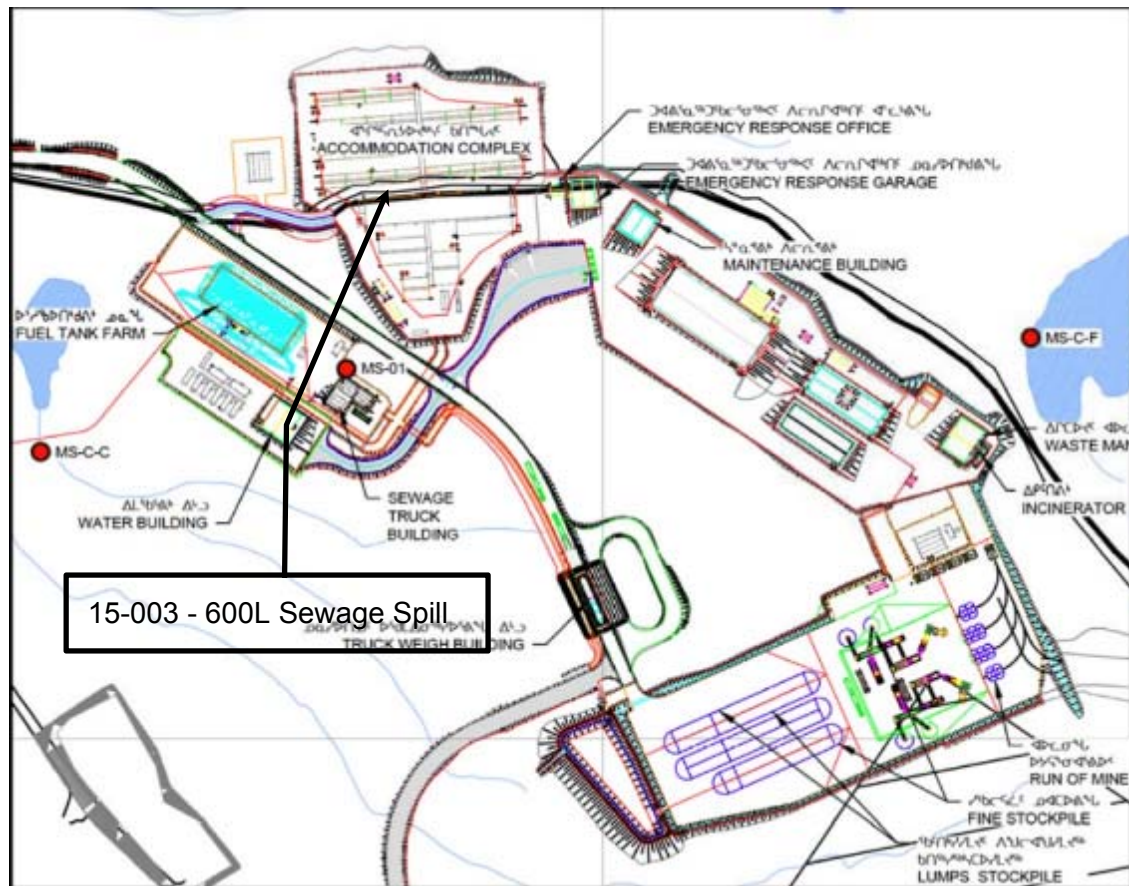
Sincerely,

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

Allan Knight, B.Sc.
Environmental Superintendent

Attach: Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers (Baffinland),
Erik Allain (AANDC), Manager of Licencing (NWB).





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 01-02-2015	REPORT TIME 09:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 003
	B	OCCURRENCE DATE: MONTH – DAY – YEAR 01-02-2015	OCCURRENCE TIME Unknown		
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 53		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 NA		CONTRACTOR ADDRESS OR OFFICE LOCATION NA		
H	PRODUCT SPILLED Sewage		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 500-600 litres	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 Sewer Line		SPILL CAUSE Frozen Force Main	AREA OF CONTAMINATION IN SQUARE METRES 60 m2	
J	FACTORS AFFECTING SPILL OR RECOVERY		DESCRIBE ANY ASSISTANCE REQUIRED Vacuum Truck	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT	
K	<p>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</p> <p>At 09:00am on January 2, 2015, an operator discovered untreated sewage around one of the kitchen lift stations. Approximately 500-600 litres of untreated sewage had overflowed the lift station based on the area of frozen sewage. The lift station pumps were turned off, and the vacuum truck used to pump down the lift station. It was discovered that the discharge line was frozen at the point where it enters the MSC. The location of the spill was on the camp pad and greater than 200 metres from the stream to the north.</p> <p>Further details of the incident will be provided in the spill follow up report.</p>				
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Coordinator	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION 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"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> T/C			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					



February 14th, 2015

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

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

Re: Follow-up to Spill 15-016 Reported on January 16th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At approximately 8:30 AM on January 16, 2015, a crusher operator discovered a hydraulic oil spill underneath the secondary cone at the crusher located near QMR2. The investigation concluded that a seal on an oil filter failed due to low temperatures. It is estimated that 150 L of hydraulic oil spilled onto the ground and quickly froze, limiting the migration of the spill. The closest receiving waters are approximately 100 meters from the location of the spill and are presently frozen.

Immediate and Follow-Up Action:

The worker immediately shut off the crusher, placed spill pads to contain the spill and notified his Supervisor, who in turn notified the Environment Department. The spill was cleaned up and the impacted snow and soil was removed and placed into secondary containment. The oily snow and soil will be transported to the Milne Port Landfarm facility. Representatives from the Fixed Plant Maintenance Department then attended the scene to conduct their investigation and determine the cause of the spill.

Recommendations:

In order to avoid future occurrences, the oil reservoir is now required to be pre-heated with a frost fighter prior to engaging the lube pump during periods of extreme cold weather.

Current Status:

The crusher has been repaired and is back in service. Frost fighters have also been placed in proximity to the oil reservoir to be used for pre-heating prior to engaging the lube pump.

Should you require further information or clarification on the above noted spill, please feel free to contact the undersigned or Allan Knight at (647) 253-0596 Ext. 6010.

Sincerely,

A handwritten signature in black ink, appearing to read 'Trevor Myers', written over a horizontal line.

Trevor Myers, B.A. (Hon.), M.Sc.
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Allan Knight, Jennifer St. Paul Butler (Baffinland), Erik Allain, (AANDC), Manager of Licencing (NWB).



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 01-16-2015	REPORT TIME 21:45 AM	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 - 016
B	OCCURRENCE DATE: MONTH - DAY - YEAR 01-16-2015	OCCURRENCE TIME 08:30 AM		
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 06		LONGITUDE DEGREES 79 MINUTES 18 SECONDS 58	
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 NA		CONTRACTOR ADDRESS OR OFFICE LOCATION NA	
H	PRODUCT SPILLED Hydraulic Oil	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 150 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 Crusher Oil Filter	SPILL CAUSE Oil Filter Failure	AREA OF CONTAMINATION IN SQUARE METRES 10 m2	
J	FACTORS AFFECTING SPILL OR RECOVERY Freezing Temperatures	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS At approximately 8:30 AM on January 16, 2015, a crusher operator discovered a hydraulic oil spill underneath the secondary cone at the crusher located near QMR2. The worker immediately shut off the crusher, placed spill pads to contain the spill and notified his Supervisor, who in turn notified the Environment Department. Preliminary investigations indicate that a seal on an oil filter failed, likely due to low temperatures. It is estimated that 150 L of hydraulic oil spilled onto the ground and quickly froze, limiting the migration of the spill. The spill was immediately cleaned up and the impacted snow and soil was removed and placed into secondary containment. The closest receiving waters are approximately 100 meters from the location of the spill and are presently frozen. Further details of the incident will be provided in the spill follow up report.			
L	REPORTED TO SPILL LINE BY Trevor Myers	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Off Site
TELEPHONE 647-253-0596				
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"/> 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 1 - Map of Spill Location



Photo 1 – Hydraulic Oil Spill



Photo 2 – Hydraulic Oil Spill Clean-up



February 27, 2015

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

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

Re: Follow-up to Spill #15-029, Reported on January 30th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On January 30 2015 at 12:30 PM, a worker detected a leak at the Port Site Complex accommodations BD wing North Lift Station. Environment and Site Services investigated the report. On investigation, a significant amount of sewage had been released from the lift station. The 1.5" discharge pipe's O-ring rubber seal, that seals the piping to the containment tank, had unglued and separated from the fitting. This caused sewage to release underneath the tank and freeze, lifting the containment tank. This resulted in the 4" mechanical joint clamp on the gravity influent line separating from the tank, causing the spill. It was conservatively estimated that the volume of the spill was 2 m³, based on an area of contamination of approximately 50m². The sewage froze in place and did not migrate further. The closest water body, Milne Inlet, is more than 350 m away and is presently frozen.

Immediate and Follow-Up Action:

A vacuum truck was mobilized to pump out any remaining sewage in the lift station and containment tank. The water was shut off to that side of the BD wing. The influent and discharge line connectors and fittings were replaced and reattached to the lift station. The contaminated material was removed and disposed of in the polishing waste stabilizing pond, a slight amount of contaminated material still remains under the wing.

Recommendations:

Extreme temperature changes which cause the piping and fittings to expand and contract promotes leaks and pipe failures. Ongoing routine inspection of the piping systems are required to inspect for leaks and potential locations of failure. A longer term plan to solve this issue is in development.

Current Status:

The system is back in service and regular inspections are conducted on the sewage lift station and sewer lines to verify there is no leakage throughout.

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

Sincerely,

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

Allan Knight, B.Sc.
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Allan Knight, Nicolas Kuzyk, Lea Willemse (Baffinland), Erik Allain, (AANDC), Manager of Licencing (NWB)



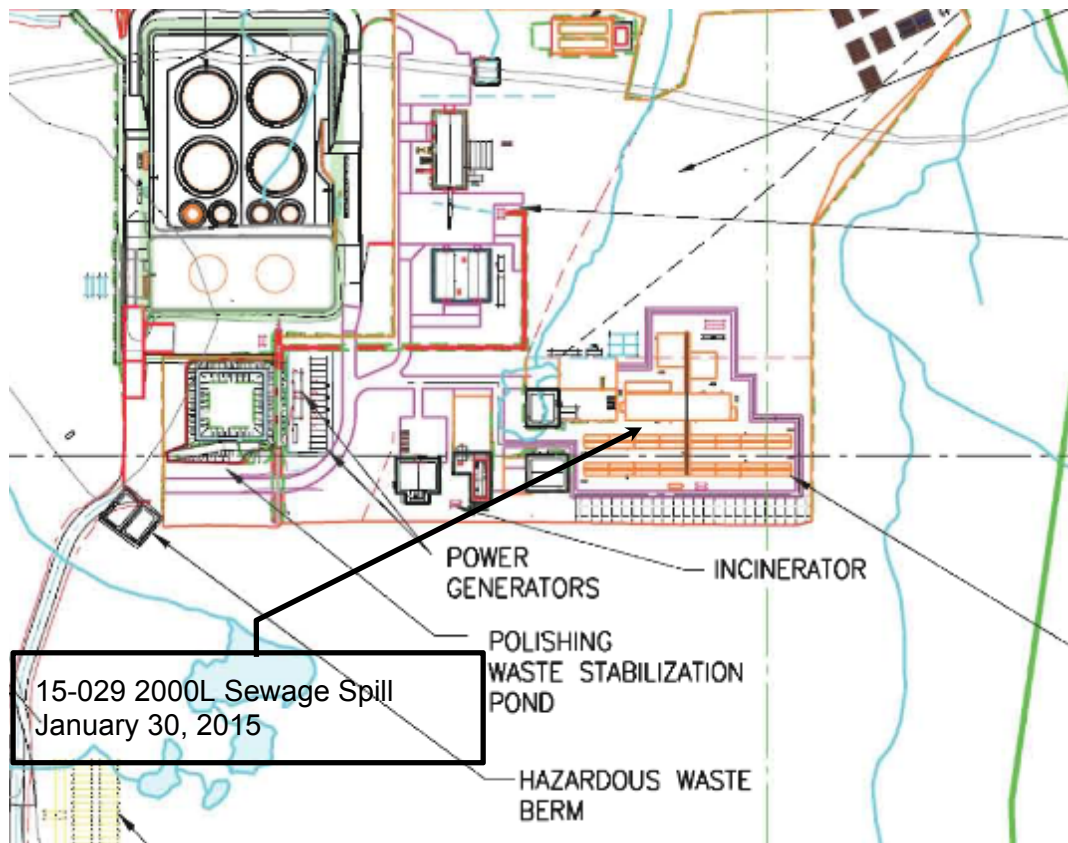
Photo 1 - Spill location- BD North Wing Lift Station



Photo 2 – Initial cause of spill- separation of O-ring from fitting



Photo 3 – Lift station and sewage lines receiving repairs



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) 920-8150

FAX: (867) 873-6624

EMAIL: spills@goenr.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH DAY YEAR 01-30-2015	REPORT TIME 12:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE A TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 - 029
B	OCCURRENCE DATE: MONTH DAY YEAR 01-30-2015	OCCURRENCE TIME 04:00		
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301	WATER LICENSE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Project Milne Port Site, Baffin Island, NU		REGION <input type="checkbox"/> LNW <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E	LATITUDE DEGREES 71 MINUTES 53 SECONDS 03		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 14	
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 NA	CONTRACTOR ADDRESS OR OFFICE LOCATION NA		
H	PRODUCT SPILLED Untreated Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES approx. 2 m3	U.N. NUMBER	
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER	
I	SPILL SOURCE Lift Station Tank	SPILL CAUSE Crack in Tank	AREA OF CONTAMINATION IN SQUARE METRES approx. 50m2	
J	FACTORS AFFECTING SPILL OR RECOVERY Cold/Ice conditions	DESCRIBE ANY ASSISTANCE REQUIRED Vacuum truck	HAZARD TO PERSONS, PROPERTY OR ENVIRONMENT	

ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS

K On January 30 2015 at 12:30 PM, a worker detected a leak at the PSC BD North Lift Station. He immediately called the Site Services Supervisor, The Environment Coordinator and Site Services Supervisor investigated the report. On investigation, a significant amount of sewage had been released from the lift station. A vacuum truck was mobilized to pump out any remaining sewage in the containment tank. The tank is suspected to be cracked allowing for sewage to spill out. The water was shut off to that side of the BD wing and signs were posted prohibiting water use. Upon further verification of the integrity of the sewage holding tank, a new tank will be installed. The sewage has frozen in place and is not migrating. The closest water body, Milne Inlet, is more than 350 m away and is presently frozen. A preliminary estimate of the spill is two (2) cubic metres, based on the area of contamination of approximately 50 square metres. Further details of the incident and its cause will be provided in the spill follow up report.

L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Coordinator	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site	TELEPHONE 647-253-0596
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) 920-8150
LEAD AGENCY <input type="checkbox"/> EGC <input type="checkbox"/> CGG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> I.A. <input type="checkbox"/> INAC <input type="checkbox"/> INFB <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					



March 3, 2015

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

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

Re: Follow-up to Spill #15-029, Reported on January 30th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On January 2 2015 at 14:00, during routine inspections outside the MSC, ice was observed to have formed around the Mine Site Complex accommodations AE Wing lift station. There was no evidence of liquid at the time of the inspection. Based on the extent and thickness of the ice, it was estimated that 200 litres of untreated sewage was released.

The housing maintainer was notified, investigation found a fitting had cracked on the gravity line going into the lift station. Repairs are being made.

The location of the spill is on the camp pad more than 200 meters from the closest water body which is presently frozen.

Immediate and Follow-Up Action:

The water was shut off to that side of the AE Wing and the fitting was replaced. Due to the accessibility of the location, as much as possible of the contaminated snow and ice was removed and disposed of in the polishing waste stabilizing pond.

Recommendations:

Extreme temperature changes which cause the piping and fittings to expand and contract promotes leaks and pipe failures. Ongoing routine inspection of the piping systems are required to inspect for leaks and potential locations of failure. A longer term plan to solve this issue is in development.

Current Status:

The system is back in service and regular inspections are conducted on the sewage lift station and sewer lines to verify there is no leakage throughout.

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

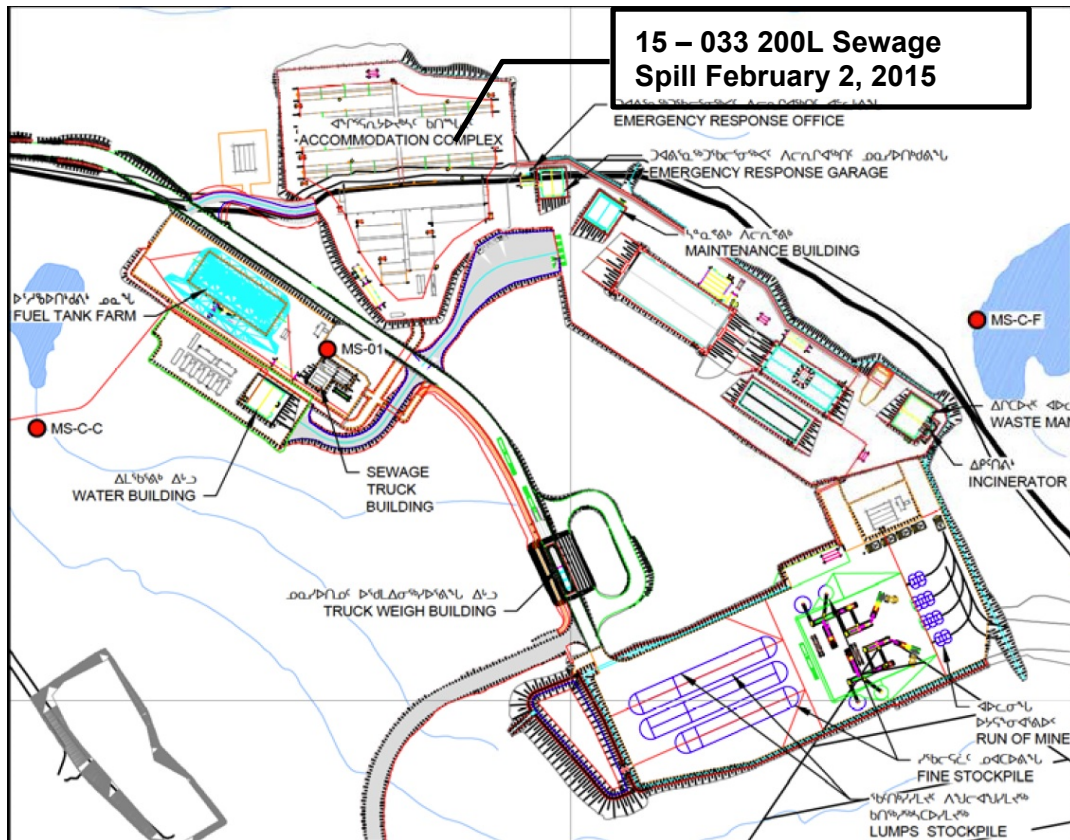
Sincerely,

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

Allan Knight, B.Sc.
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Allan Knight, Nicolas Kuzyk, Lea Willemse (Baffinland), Erik Allain, (AANDC), Manager of Licencing (NWB)



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 02-02-2015	REPORT TIME 14:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 - 033
B	OCCURRENCE DATE: MONTH – DAY – YEAR 02-02-2015	OCCURRENCE TIME unknown		
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 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 16 SECONDS 57	
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 NA	CONTRACTOR ADDRESS OR OFFICE LOCATION NA		
H	PRODUCT SPILLED Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 200 litres	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 Lift Station	SPILL CAUSE Overflow/Frozen Joint	AREA OF CONTAMINATION IN SQUARE METRES 10 m2	
J	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS On January 2 2015 at 14:00, during routine inspections outside the MSC, ice was observed to have formed around the AE Wing lift station. There was no evidence of liquid at the time of the inspection. The housing maintainer was notified, investigation found a fitting had cracked on the gravity line going into the lift station. Repairs are being made. The location of the spill is on the camp pad more than 200 meters from the closest water body. Further details of the incident will be provided in the spill follow up report.			
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Coordinator	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT Off Site
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	
LEAD AGENCY				
FIRST SUPPORT AGENCY				
SECOND SUPPORT AGENCY				
THIRD SUPPORT AGENCY				



March 5, 2015

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

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

Re: Follow-up to Spill #15-036, Reported on February 3rd, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On February 3, 2015 at 8:30 PM, a worker detected an overflow of untreated sewage at the Port Site Complex accommodations BD wing North Lift Station. Environment and Site Services responded to the sewage release. On inspection, the spill was caused by the lift station pumps failing to discharge sewage from the containment tank. A blockage in the discharge line, 30ft from the lift station, was the cause for the pumps failing to discharge sewage from the lift station. The blockage gradually accumulated by inactivity within the discharge line while repairs were being completed on the North BD Wing lift station from spill 15-029. It was conservatively estimated that the volume of the spill was 160L, based on an area of contamination of approximately 30m² and thin spill depth. The sewage froze in place and did not migrate further. The closest water body, Milne Inlet, is more than 350 m away and is presently frozen.

Immediate and Follow-Up Action:

A vacuum truck was mobilized to pump out any remaining sewage in the lift station and containment tank and the water was shut off. The frozen sewage blockage was removed, the sewage line repaired, and the pumps checked. The contaminated material was removed and disposed of in the polishing waste stabilizing pond.

Recommendations:

Extreme cold temperature cause sewage in the lines to freeze unexpectedly. Ongoing routine inspections of the lift stations are required to inspect for sewage backups from frozen lines. After recent repairs on lift stations or periods of inactivity in the sewage lines, the lift station and downstream sewage lines will be monitored with particular frequency.

Current Status:

The system is back in service and regular inspections are conducted on the sewage lift station and sewer lines to verify there is no leakage throughout.

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

Sincerely,

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

Allan Knight, B.Sc.
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers, Nicolas Kuzyk, Lea Willemse (Baffinland), Erik Allain, (AANDC), Manager of Licencing (NWB)



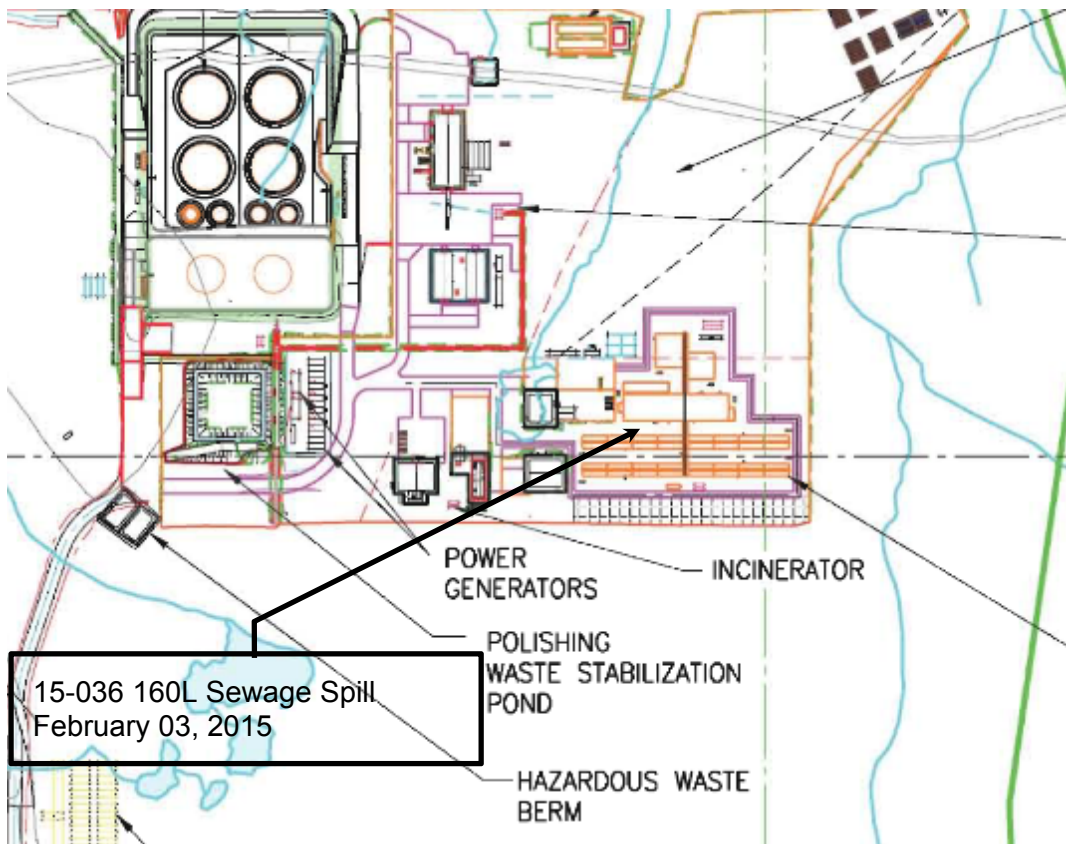
Photo 1 - Spill location- BD North Wing Lift Station



Photo 2 – Pumping out the lift station by vacuum truck



Photo 3 – Spill location post clean up



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 02-02-2015	REPORT TIME 14:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 033
B	OCCURRENCE DATE: MONTH – DAY – YEAR 02-02-2015		OCCURRENCE TIME unknown		
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 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 16 SECONDS 57		
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 NA		CONTRACTOR ADDRESS OR OFFICE LOCATION NA		
H	PRODUCT SPILLED Sewage		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 200 litres	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 Lift Station		SPILL CAUSE Overflow/Frozen Joint		AREA OF CONTAMINATION IN SQUARE METRES 10 m2
J	FACTORS AFFECTING SPILL OR RECOVERY		DESCRIBE ANY ASSISTANCE REQUIRED		HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS On January 2 2015 at 14:00, during routine inspections outside the MSC, ice was observed to have formed around the AE Wing lift station. There was no evidence of liquid at the time of the inspection. The housing maintainer was notified, investigation found a fitting had cracked on the gravity line going into the lift station. Repairs are being made. The location of the spill is on the camp pad more than 200 meters from the closest water body. Further details of the incident will be provided in the spill follow up report.				
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Coordinator	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION 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"/> 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					



March 8, 2015

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

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

Re: Follow-up to Spill 15-039 Reported on February 6th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On February 6, 2015, the fuel tanker operator inspected the tanker to ensure it was empty, and then proceeded to engage the fuel pump to fill the tanker fuel compartment. A suspected malfunction of the fuel module's metering device caused the compartment to overflow. Approximately 150 litres of Arctic Diesel (P-50) fuel overflowed from the top of the tanker compartment to the frozen gravel/ice ground within the lined fueling area. All released fuel was contained within the lined refueling area. The closest water body, Milne Inlet, is more than 150 meters away and is currently frozen.

Immediate and Follow-Up Action:

The area was immediately secured and clean-up activities were completed. Absorbent pads were used to absorb any liquid product. Contaminated gravel and ice were removed and deposited in the Milne Port Landfarm for storage and treatment.

Recommendations:

To prevent the reoccurrence of similar incidents, Baffinland's refueling procedure has been reviewed with all tanker truck operators.

Current Status:

The fuel metering device is working properly and the spill has been successfully cleaned up.

Should you require further information or clarification on the above noted spill, please feel free to contact the undersigned or Trevor Myers at (647) 253-0596 Ext. 6010.

Sincerely,

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

Allan Knight, B.Sc.
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers, Jennifer St. Paul Butler (Baffinland), Erik Allain, (AANDC), Manager of Licencing (NWB).



Photo 1 – Diesel Spill



Photo 2 – After Spill Cleanup

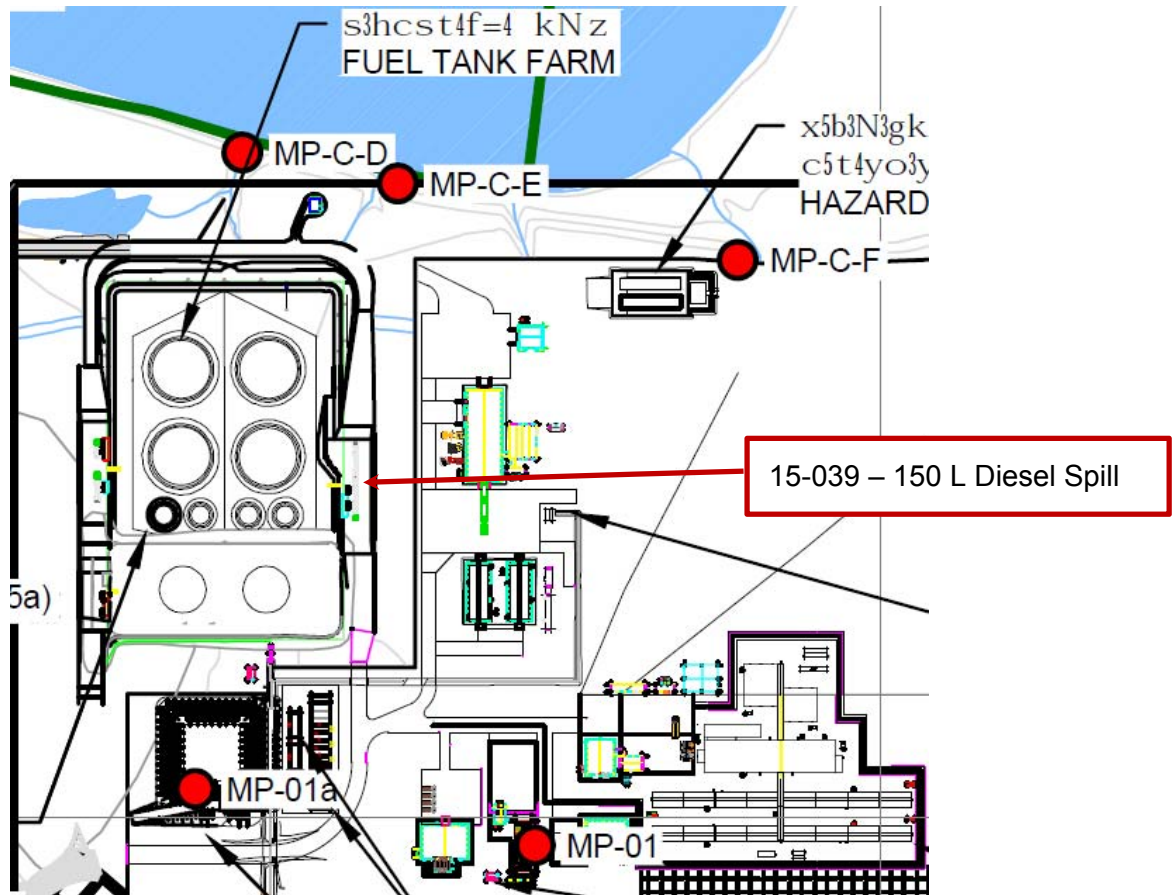


Figure 1 – Milne Port - Spill Location



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 02-06-2015	REPORT TIME 07:45	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 - 039
B	OCCURRENCE DATE: MONTH - DAY - YEAR 02-06-2015	OCCURRENCE TIME 07:45		
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 Milne Port Diesel Fuel Module	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 (P-50)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 150 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 - Fuel Tanker	SPILL CAUSE Overflow	AREA OF CONTAMINATION IN SQUARE METRES 6 m2	
J	FACTORS AFFECTING SPILL OR RECOVERY Frozen gravel ground surface	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT None	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS On February 6, 2015, the fuel tanker operator inspected the tanker to ensure it was empty, then proceeded to engage the fuel pump to fill the tanker fuel compartment. A suspected malfunction of the fuel module's metering device caused the compartment to overflow. Approximately 150 litres of Arctic Diesel (P-50) fuel overflowed from the top of the tanker compartment to the frozen gravel/ice ground within the lined fueling area. All released fuel was contained within the lined berm. The closest water body, Milne Inlet, is more than 150 meters away and is currently frozen. The area was immediately secured and clean-up activities were completed. Absorbent pads were used to remove fuel from the ice surface followed by excavation of the contaminated ice/gravel surface below. The contaminated ice/gravel will be disposed of in the Milne Port Landfarm. Further Details of the incident will be provided in the follow up report.			
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM On-site
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT On Site
REPORT LINE USE ONLY				
N	RECEIVED AT SPILL LINE BY 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"/> 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				



March 9, 2015

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

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

Re: Follow-up to Spill 15-040 Reported on February 8th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 2:45 PM on February 7, 2015, a worker noticed a wet area around the main sewage line near the Milne Port WWTP. In uncovering the line, it was observed that a fitting on the main sewage line had separated and was leaking sewage. It is estimated that 250 L sewage spilled onto the surrounding camp pad, affecting an area of approximately 20 square meters. The nearest water body, Milne Inlet, is greater than 200 meters away from the spill location and is currently frozen.

Immediate and Follow-Up Action:

The worker immediately notified the Maintenance and Environment Departments and locked out the sewage line by shutting off the main lift station. The vacuum truck was used to drain the line and the fitting was repaired. Accessible contaminated snow and ice was removed and deposited in the Milne Port PWSP.

Recommendations:

Ongoing inspections of the PSC sewage lines will be conducted on a regular basis to ensure there are no leaks or compromised fittings.

Current Status:

The main sewage line is back in service and regular inspections are conducted on all sewage lines to verify there are no leaks or compromised fittings.

Should you require further information or clarification on the above noted spill, please feel free to contact the undersigned or Trevor Myers at (647) 253-0596 Ext. 6010.

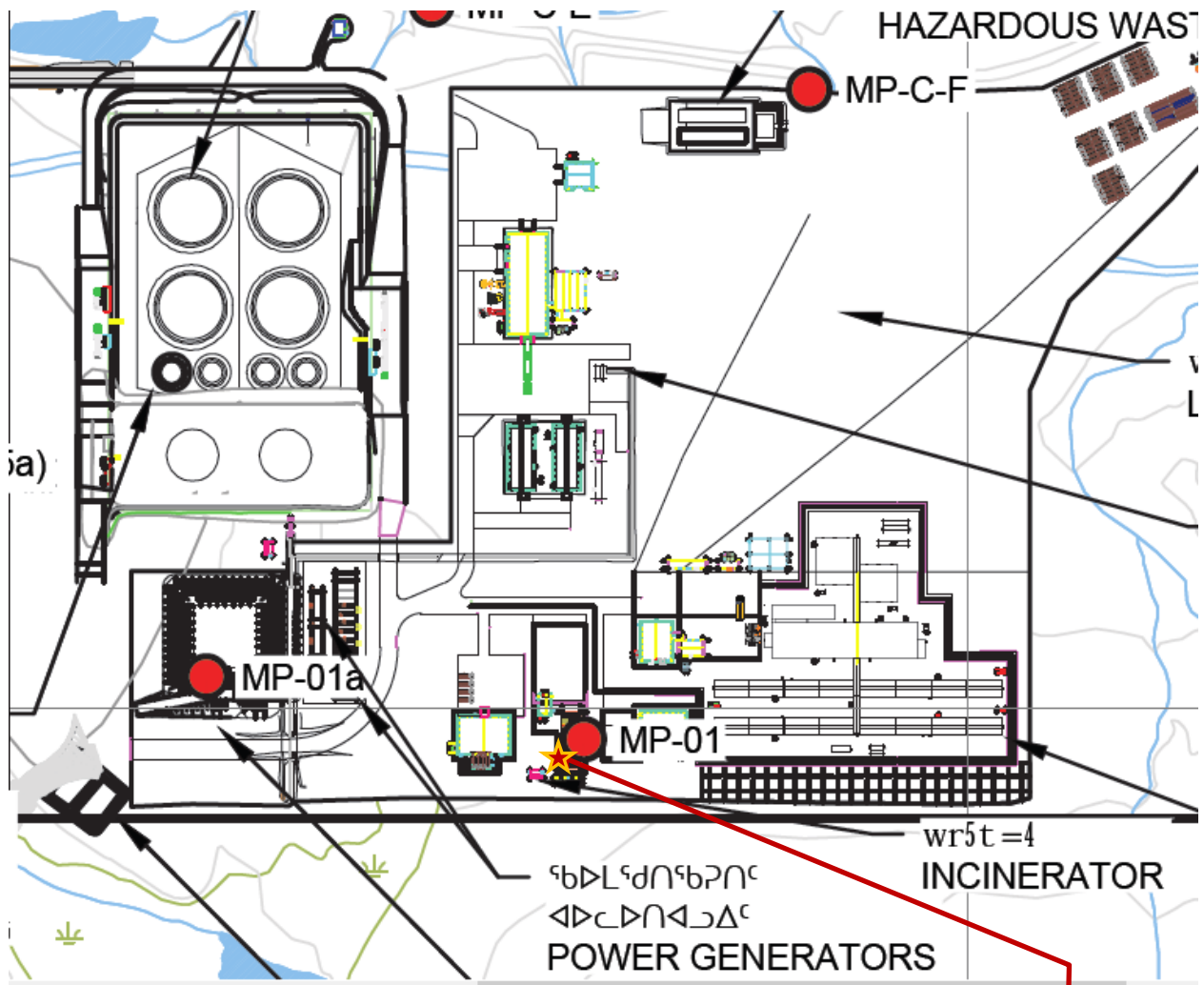
Sincerely,

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

Allan Knight, B.Sc.
Environmental Superintendent

Attach: Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers, Jennifer St. Paul Butler (Baffinland), Erik Allain (AANDC), Manager of Licencing (NWB).





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 February 7, 2015	REPORT TIME 14:45 HRS	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 - 040
B	OCCURRENCE DATE: MONTH - DAY - YEAR February 7, 2015	OCCURRENCE TIME Unknown		
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 02		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 27	
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Upper Middle Road East - Suite 300 - Oakville, ON		
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 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 Force Main	SPILL CAUSE Equipment Failure - Fitting	AREA OF CONTAMINATION IN SQUARE METRES 20 sq meters	
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT None	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS On February 7, 2015 at 14:45 HRS, a worker noticed a wet area around the main sewage line near the Milne Port WWTP. In uncovering the line, it was observed that a fitting on the main sewage line had separated and was leaking sewage. The worker immediately notified the Maintenance and Environment Departments and shut off the main lift station. The vacuum truck was used to drain the line and the fitting was repaired. It is estimated that 250 L sewage spilled onto the surrounding ground, affecting an area of approximately 20 square meters. The nearest water body, Milne Inlet, is greater than 200 meters away from the spill location and is currently frozen. Contaminated snow and ice will be removed and deposited in the Milne Port PWSP. The investigation of the incident is still ongoing. More details will be provided in the follow-up spill report.			
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	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"/> 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	
LEAD AGENCY				
FIRST SUPPORT AGENCY				
SECOND SUPPORT AGENCY				
THIRD SUPPORT AGENCY				

PAGE 1 OF _____



March 12, 2015

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

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

Re: Follow-up to Spill 15-044 Reported on February 8th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 5:00 PM on February 10, 2015, a worker on a routine inspection of the Port Site Complex (PSC) sewage lines discovered that a sewage line fitting (gravity fed) behind the south BD dorm lift station had separated. It is estimated that approximately 150 L of sewage was spilled around the lift station and underneath the accommodations wing, affecting an area of approximately 15 square meters. The nearest receiving waters, Milne Inlet, is greater than 200 meters away from the spill location and is currently frozen.

Immediate and Follow-Up Action:

The worker immediately notified the Environment Department, locked out lift station and began repairs on the fitting. Accessible contaminated snow and ice was removed and deposited in the Milne Port PWSP.

Recommendations:

Ongoing inspections of the PSC sewage lines will be conducted on a regular basis to ensure there are no leaks or compromised fittings. A long term plan to solve this issue is in development.

Current Status:

The lift station is back in service and inspections of all PSC sewage lines are conducted on a regular basis to verify there are no leaks or compromised fittings.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Trevor Myers', with a stylized flourish at the end.

Trevor Myers, B.A.(Hon.), M.Sc.
Environmental Superintendent

Attach: Map, NT-NU Spill Report, Photos

cc. Michael Anderson, Erik Madsen, Jim Millard, Allan Knight (Baffinland),
Erik Allain (AANDC), Manager of Licencing (NWB).

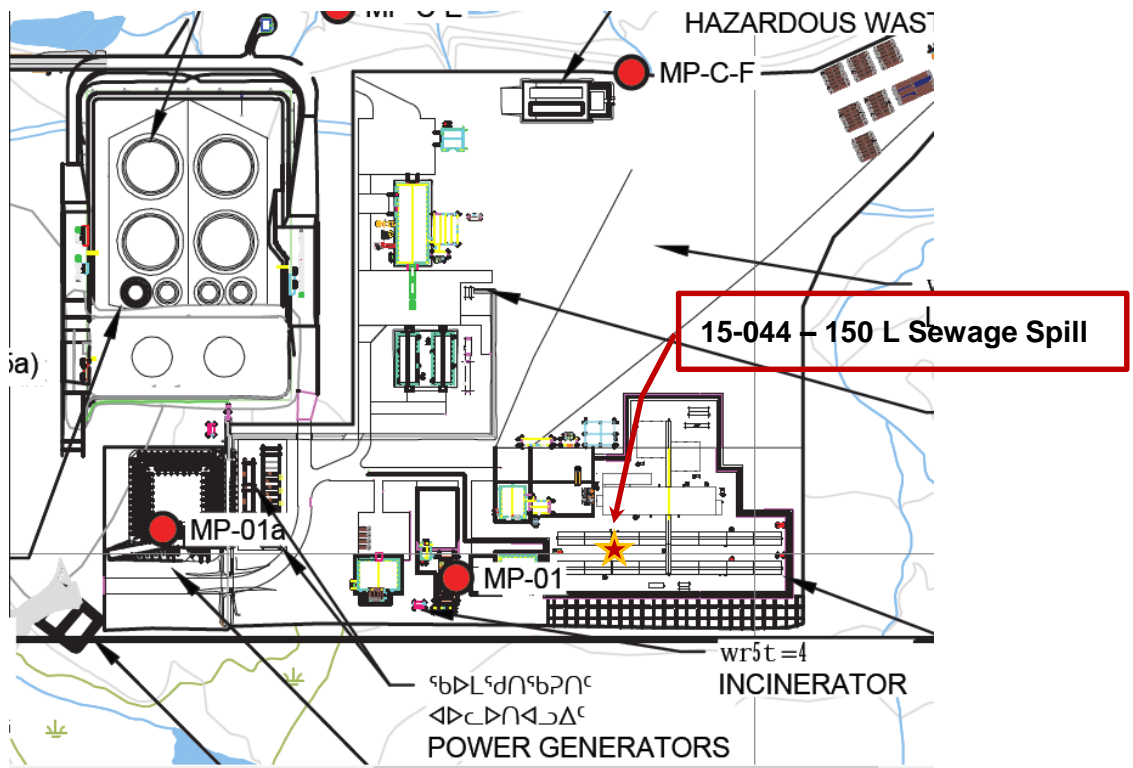


Photo 1: Spill Location



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

A REPORT DATE: MONTH – DAY – YEAR February 10, 2015		REPORT TIME 17:00 HRS		<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT LINE USE ONLY REPORT NUMBER 15 044
B OCCURRENCE DATE: MONTH – DAY – YEAR February 10, 2015		OCCURRENCE TIME Unknown				
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 03			LONGITUDE DEGREES 80 MINUTES 53 SECONDS 15			
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 150 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 Gravity Fed Sewage Line		SPILL CAUSE Equipment Failure - Fitting		AREA OF CONTAMINATION IN SQUARE METRES 15 sq meters		
J FACTORS AFFECTING SPILL OR RECOVERY N/A		DESCRIBE ANY ASSISTANCE REQUIRED N/A		HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT None		
K ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS On Feb 10, 2015 at 17:00 HRS, a worker on routine inspection of the Port Site Complex sewage lines discovered that a sewage line fitting (gravity fed) behind the south BD dorm lift station had separated. The worker notified the Environment Department and the lift station was locked out. It is estimated that approximately 150 L of sewage was spilled around the lift station and underneath the accommodations wing affecting an area of approximately 15 square meters. Accessible contaminated snow and ice to be removed and deposited in the Milne Port PWSP. The nearest water body, Milne Inlet, is greater than 200 meters away from the spill location and is currently frozen. The fitting is currently being repaired. Further details will be provided in the follow-up spill report.						
L REPORTED TO SPILL LINE BY Allan Knight		POSITION Env. Superintendent		EMPLOYER Baffinland		LOCATION CALLING FROM Mine Site TELEPHONE Ext. 6010
M ANY ALTERNATE CONTACT Jim Millard		POSITION Env. Manager		EMPLOYER Baffinland		ALTERNATE CONTACT Mine Site 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"/> COG <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						



March 15, 2015

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

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

Re: Follow-up to Spill 15-047 Reported on February 15th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

In the Sewage Truck Building at Milne Port, a worker discovered that a tote full of diesel exhaust fluid (a mixture of urea and water, see attached MSDS) had leaked approximately 200 L of its contents onto the surrounding ground, affecting an area of approx. 10 m². The tote had been brought indoors to thaw and it is suspected that the tote had cracked during storage, as once it was brought indoors the tote began to thaw and leak. The nearest receiving waters, Milne Inlet, is greater than 200 m away from the spill location and is currently frozen.

Immediate and Follow-Up Action:

The worker immediately placed the tote on its side to prevent additional product from leaking out and notified his Supervisor. The tote has been removed and placed in the Milne Port hazardous waste berm within secondary containment. The spill cleanup is complete and approximately 1 cubic meter of contaminated soil has been removed and deposited at the Milne Port landfarm for secure storage and treatment.

Recommendations:

In order to avoid future occurrences, Baffinland employees and contractors have been reminded to store all hazardous materials in secondary containment and to regularly inspect the condition of hazardous materials storage containers at their work sites.

Current Status:

The damaged tote is in secondary containment in the Milne Port hazardous waste berm and the spill has been cleaned up.

Should you require further information or clarification on the above noted spill, please feel free to contact the undersigned or Allan Knight at (647) 253-0596 Ext. 6010.

Sincerely,

A handwritten signature in black ink, appearing to read "Trevor Myers", written over a horizontal line.

Trevor Myers, B.A.(Hon.), M.Sc.
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report, MSDS

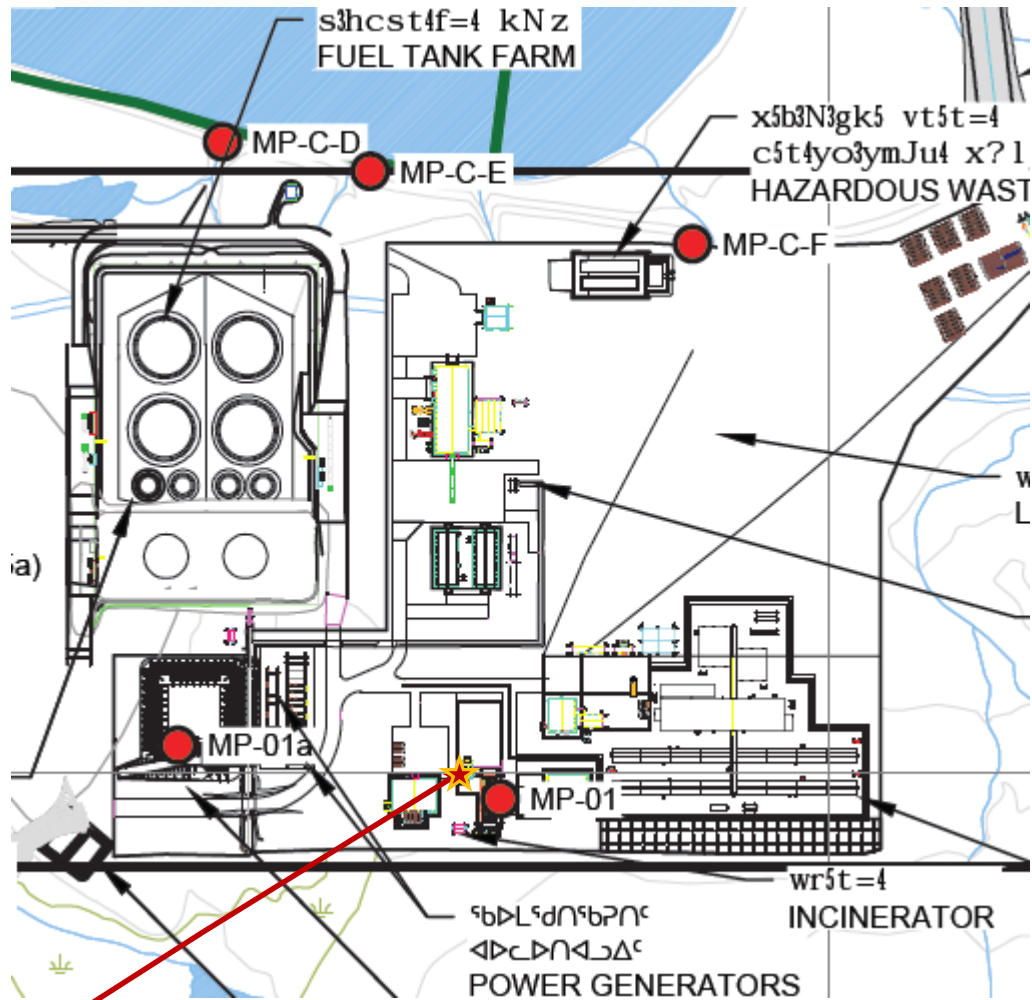
cc. Michael Anderson, Erik Madsen, Jim Millard, Allan Knight, Jennifer St. Paul Butler (Baffinland),
Erik Allain, (AANDC), Manager of Licencing (NWB).



Photo 1 – Diesel Exhaust Fluid Spill



Photo 2 – After Spill Cleanup



15-047 -200 L DEF Spill

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 February 14, 2015	REPORT TIME 10:45 HRS	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 047	
	OCCURRENCE DATE: MONTH - DAY - YEAR February 13, 2015	OCCURRENCE TIME Unknown			
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 03		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 26		
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 Air1 Diesel Exhaust Fluid	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 200 Litres	U.N. NUMBER Not Regulated		
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A		
I	SPILL SOURCE 1000 L Tote	SPILL CAUSE Damaged Tote	AREA OF CONTAMINATION IN SQUARE METRES 10 square metres		
J	FACTORS AFFECTING SPILL OR RECOVERY None	DESCRIBE ANY ASSISTANCE REQUIRED None	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT None		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS In the Sewage Truck Building at Milne Port, a worker discovered that a tote full of diesel exhaust fluid (a mixture of urea and water, see attached MSDS) had leaked approximately 200 L of its contents onto the surrounding ground, affecting an area of approx. 10 m2. Immediately after discovering the spill, the worker placed the tote on its side to prevent additional product from leaking out and notified his Supervisor. The tote had been brought indoors to thaw and it is suspected that the tote had cracked during storage. Once it was brought indoors the tote began to thaw and to leak. The tote has been removed and placed in the Milne Port hazardous waste berm within tertiary containment. The spill clean up is complete. Approximately 1 cubic meter of contaminated soil has been removed and deposited at the Milne Port landfarm for secure storage and treatment. The nearest water body, Milne Inlet, is greater than 200 m away from the spill location and is currently frozen. More details will be included in the follow-up spill report.				
L	REPORTED TO SPILL LINE BY Trevor Myers	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Baffin Island, NU	TELEPHONE Ext. 6010
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT Baffin Island, NU	ALTERNATE TELEPHONE Ext. 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"/> LA <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					



Material Safety Data Sheet

Air1® Diesel Exhaust Fluid -

Section 1. Chemical product and company identification -

Trade name	: Air1® Diesel Exhaust Fluid
Manufacturer	: Yara North America, Inc 100 North Tampa Street Suite 3200 P.O. Box 24926 Tampa, FL 33623 USA Tel: +1 813 222 5700 Fax: +1 813 875 5735
Validation date	: 06.12.2011.
Print date	: 06.12.2011.
Responsible name	: Bill Easterwood (Technical conditions of use) Rebecca Lee (Safety and Regulatory information)
In case of emergency	: Additional Product Information: 813-222-5700 or Chemtrec 24-hours Emergency Resonse: 1-800-424-9300

Section 2. Hazards identification -

Physical state	: Liquid. [Clear.]
Emergency overview	: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.
<u>Potential acute health effects</u>	
Eyes	: No known significant effects or critical hazards.
Skin	: No known significant effects or critical hazards.
Inhalation	: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. -
Ingestion	: No known significant effects or critical hazards. -
<u>Potential chronic health effects</u>	
Chronic effects	: No known significant effects or critical hazards.
Carcinogenic effects	: No known significant effects or critical hazards.
Mutagenic effects	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.
<u>Over-exposure signs/symptoms</u>	
Inhalation	: No specific data.
Ingestion	: No specific data.
Skin	: No specific data.
Eyes	: No specific data.

See toxicological information (Section 11)

Air1® Diesel Exhaust Fluid

Section 3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
Urea	57-13-6	32.5
Water	7732-18-5	67.5

Section 4. First aid measures -

Eye contact	: -Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
Skin contact	: -In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
Inhalation	: -Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
Ingestion	: -Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
Protection of first-aiders	: -No action shall be taken involving any personal risk or without suitable training.
Notes to physician	: -In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Section 5. Fire-fighting measures -

Flammability of the product	: -Non-flammable.
<u>Extinguishing media</u>	
Suitable	: Use an extinguishing agent suitable for the surrounding fire.
Products of combustion	: These products are carbon dioxide carbon monoxide nitrogen oxides Ammonia.
Fire-fighting media and instructions	: -In case of fire, use water spray (fog), foam, dry chemical or CO ₂ .
Special protective equipment for fire-fighters	: -Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures -

Personal precautions	: -No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
Environmental precautions	: -Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
<u>Methods for cleaning up</u>	
Small spill	: -Stop leak if without risk. Material free from contamination can be used for its original purpose. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Air1® Diesel Exhaust Fluid

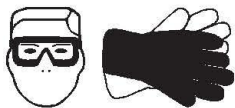
- Large spill** : -Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7. Handling and storage -

- Handling** : -Avoid contact with eyes, skin and clothing. Ensure eyewash facilities are located close to the working environment.
- Storage** : -Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep away from heat and direct sunlight.

Section 8. Exposure controls/personal protection -

- Engineering measures** : -No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Hygiene measures** : -Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure eyewash facilities are located close to the working environment.
- Personal protection**
- Eyes** : -Safety eyewear complying with an approved standard should be used when a risk - assessment indicates this is necessary to avoid exposure to liquid splashes, mists or - dusts. Recommended: Chemical splash goggles or face shield. -
- Skin** : -Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
- Respiratory** : -Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: If ventilation is inadequate, use respirator that will protect against dust/mist.
- Hands** : -Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. >8 hours (breakthrough time): butyl rubber, natural rubber (latex), nitrile rubber
- Personal protective equipment (Pictograms)** :



Product name

Urea

Exposure limits

AIHA WEEL (United States, 5/2010).
TWA: 10 mg/m³ 8 hour(s).

Section 9. Physical and chemical properties -

- Physical state** : Liquid. [Clear.] -
- Color** : Colorless. -
- Odor** : Ammoniacal. [Slight] -
- pH** : 9,8 to 10 [Conc. (% w/w): 10%] -
- Boiling/condensation point** : Decomposition temperature: 100°C (212°F) -
- Melting/freezing point** : -11,5°C (11,3°F) -
- Density (g/cm³)** : -1,09 g/cm³ [20°C (68°F)]

Air1® Diesel Exhaust Fluid

Vapor pressure : 6.4 kPa (48 mm Hg) (at 40°C)
 Miscible in water. : Yes.

Section 10. Stability and reactivity -

Stability and reactivity : Stable under recommended storage and handling conditions (see section 7). -
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur. -
Incompatibility with various substances : Highly reactive or incompatible with the following materials: oxidizing materials, acids - and alkalis. -
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should - not be produced. -
Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur. -

Section 11. Toxicological information -
Potential acute health effects

Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. -
Ingestion : No known significant effects or critical hazards. -
Skin contact : No known significant effects or critical hazards. -
Eye contact : No known significant effects or critical hazards. -

Product/ingredient name -	Result	Species	Dose	Exposure
Urea -	LD50 Oral	Mouse	11 g/kg	-
	LD50 Oral	Rat	8471 mg/kg	-

Section 12. Ecological information -

Environmental effects : -Readily biodegradable

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
Urea	- Acute EC50 3910000 ug/L Fresh water		Daphnia - Water flea - Daphnia magna - Neonate - <24 hours	48 hours
	- Acute LC50 >1000 mg/L Marine water		Crustaceans - Amphipod - Chaetogammarus marinus - Young - 5 mm	48 hours
	- Acute LC50 16700 to 19600 ug/L Fresh water		Fish - Rohu - Labeo rohita - Egg	96 hours

Conclusion/Summary - : -Not available.

Biodegradability -

Conclusion/Summary - : The product does not show any bioaccumulation phenomena.

Section 13. Disposal considerations -

Waste disposal : -The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Consult your local or regional authorities.

Air1® Diesel Exhaust Fluid

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	Not regulated.	-	-	-		-
TDG Classification	Not regulated.	-	-	-		-
Mexico Classification	Not regulated.	-	-	-		-

Section 15. Regulatory information -

HCS Classification : Not regulated.

U.S. Federal regulations : **TSCA 8(a) IUR Exempt/Partial exemption**: Not determined
United States inventory (TSCA 8b): All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

State regulations : **Connecticut Carcinogen Reporting**: None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: None of the components are listed.
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: None of the components are listed.
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: None of the components are listed.

Air1® Diesel Exhaust Fluid

Rhode Island Hazardous Substances: None of the components are listed.

United States inventory (TSCA 8b) : All components are listed or exempted.

Section 16. Other information -

National Fire Protection Association (U.S.A.) :



References : -Regulation (EC) No 1272/2008 Annex VI
EU REACH IUCLID5 CSR
National Institute for Occupational Safety and Health, U.S. Dept. of Health, Education, and Welfare, Reports and Memoranda
Registry of Toxic Effects of Chemical Substances
Atrion International Inc. 4777 Levy Street, St Laurent, Quebec HAR 2P9, Canada

Date of issue - : 06.12.2011.

Date of previous issue : 08.06.2011.

Version - : 4.02

☑ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information provided in this Product Information Sheet is accurate as at the date of its issue. The information it contains is being given for safety guidance purposes and relates only to the specific material and uses described in it. This information does not necessarily apply to that material when combined with other material(s) or when used otherwise than as described herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may represent unknown hazards and should be used with caution. Yara International ASA disclaims any liability for loss or damage resulting from the use of any data, information or recommendations set out in this Product Information Sheet.



April 3, 2015

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

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

Re: Follow-up to Spill #15-089, Reported on March 12th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On March 11, 2015 at 17:00, a leak was observed under a ground thawing unit located at Km 38 of the Tote Road. The unit was positioned on the frozen stream at crossing CV099. Approximately 1L of engine oil escaped from an improperly positioned dip stick and was released onto the frozen stream ice surface. There was no spill tray in place to prevent the oil from leaking directly onto the stream bed.

Immediate and Follow-Up Action:

Upon discovery, a spill tray and absorbent material was put underneath the leak to prevent further release to the receiving environment. Repairs were then made to the unit to stop the leak. Approximately 0.2 m³ of impacted snow and gravel was recovered and transported/disposed of in the landfarm facility at Milne Port. The ground thawing unit was subsequently inspected, found to be in good working order with no further leaks, and put back into service by the maintenance department. A large spill tray was installed to protect the ground / stream bed under the unit. The Operations Group, who are responsible for the operation of the ground thaw unit, were reminded that ongoing utilization of spill trays and monitoring of same are key requirements of our environmental permits.

Recommendations:

Baffinland have previously developed and implemented a site wide document for the use of spill trays. The requirement for the use of spill trays and spill response material on hand has been communicated by means of the 2014 Environmental Protection Plan training (a requirement for all supervisory personnel on site), routine tool box meetings, and other forms of communication, see attached Spill Tray Use Guidelines document which is routinely communicated to site personnel. Ongoing inspections and monitoring of the use of spill trays is standard practice at site.

Current Status:

The Ground Thaw Unit is back in service. Regular inspections are conducted on the ground thawing unit and other equipment to check for leakage and to ensure spill tray use.

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 blue ink, appearing to read "Nicolas Kuzyk".

Nicolas Kuzyk,
Environmental Coordinator

Reviewed by:

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

Allan Knight, B.Sc.
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report, Spill Tray Use Guidelines

cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers, Lea Willemse (Baffinland),
Robert Savard, Erik Allain, (AANDC), Manager of Licencing (NWB)



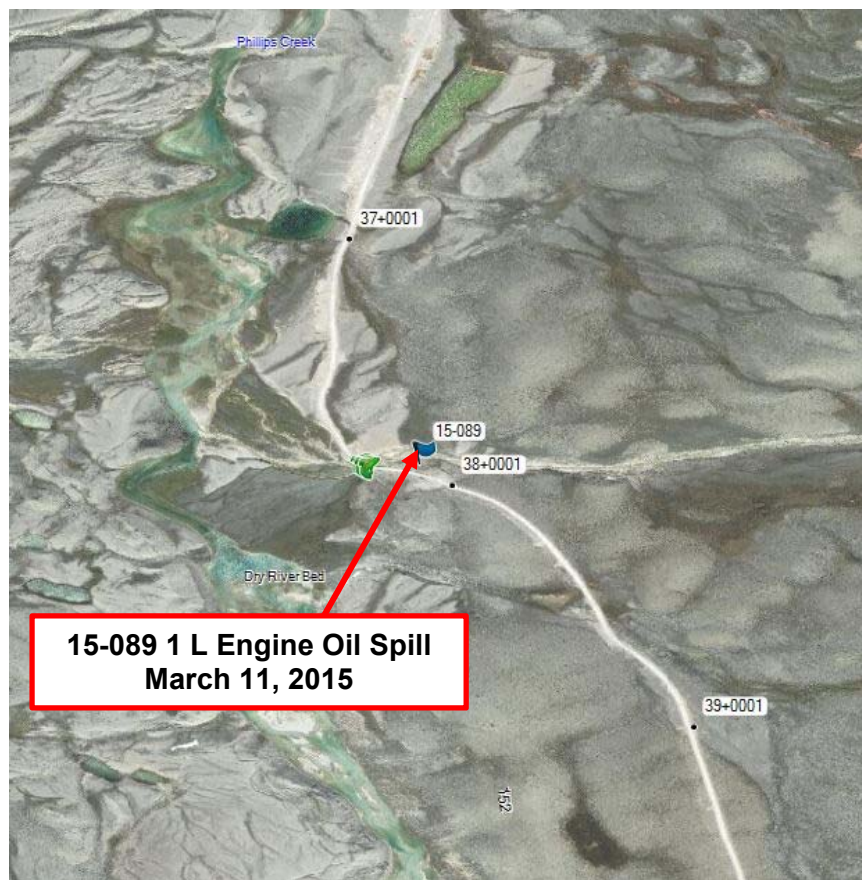
Photo 1 - Spill location- Oil dripping from the unit (left)



Photo 2 – Engine oil onto ground – less than 1L



Photo 3 – Spill location post clean up



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 03-12-2015	REPORT TIME 14:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 089
B	OCCURRENCE DATE: MONTH – DAY – YEAR 03-11-2015	OCCURRENCE TIME 17:00			
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 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 38 SECONDS 22	LONGITUDE DEGREES 80 MINUTES 22 SECONDS 37			
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 Engine Oil	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 1 Litres	U.N. NUMBER		
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER		
I	SPILL SOURCE Ground Thawing Unit	SPILL CAUSE Oil Leak	AREA OF CONTAMINATION IN SQUARE METRES Approx.1 square meters		
J	FACTORS AFFECTING SPILL OR RECOVERY Cold/Freezing Condition	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 During an inspection of the culvert installation at KM 38 on the Tote Road, a worker discovered oil dripping from the Ground Thawing Unit onto the ground below, which was in fact a frozen stream bed. The supervisor overseeing the culvert installation as well as the maintenance department were notified immediately. A spill tray was put underneath the leak right away to prevent further impact to the receiving environment until the leak could be stopped. The spill has been cleaned up and the investigation is currently ongoing. It is estimated that less than 1 litre of engine oil spilled onto the stream bed and further details will be provided in the follow-up report.				
L	REPORTED TO SPILL LINE BY Trevor Myers	POSITION Enviro Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Enviro Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION 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"/> 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					

ENVIRONMENTAL BULLETIN NO. 4

USE OF SPILL TRAYS AT SITE



Introduction

Minor spills from mobile vehicles and equipment in use will be identified and controlled by ensuring pre-use inspections are implemented *without exception*. The implementation of robust and effective preventive maintenance programs and daily equipment checks are best protective measures that can be taken with regard to spills originating from mobile vehicles and equipment that are in service. When issues (non-conformances) are identified, immediate action shall be completed to correct any non-conformance (i.e., use of proper spill tray and/or spill tray repair).

Despite the enforcement and use of pre-use operations inspections, small hydrocarbon leaks/spills are still highly probable. In an effort to minimize or eliminate environmental impact from these spills, the Spill Tray Use Standard has been implemented and will be enforced at both the Milne Port and Mary River sites.

Spill Tray Use Requirements

- Spill trays shall be used under vehicles that are in mid- and long-term storage (i.e., more than one week). Specific positioning of spill trays under vehicles will be based on an analysis of the most likely sites for hydrocarbon leaks from the subject vehicle.
- Spill trays shall be used under temporary equipment such as portable generators, frost fighters, and light plants to capture any overflow during refueling or spillage resulting from other causes.
- Spill trays shall be used routinely outside and inside the mechanics shops prior to, and subsequent to maintaining vehicles and equipment to contain any residual drips originating from all repairs.
- While vehicles and equipment are being fueled or serviced, spill trays shall be placed under nozzles and work locations to capture any dripping.
- All hazardous materials and wastes are to be stored in secondary containment. Spill trays are ideal for storing small volumes (i.e., <205 L) of hazardous material and hazardous waste. Other alternatives for storage of both small and larger quantities of hazardous materials and waste include:
 - designated lined and contained areas; or
 - Shipping containers located at the laydown areas.

Should you have any questions or concerns, please do not hesitate to contact BIM Environment.





April 15, 2015

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

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

Re: Follow-up to Spill #15-099, Reported on March 17th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 05:45 hrs on March 17, 2015, the running and alarm lights were disengaged at the Waste Water Treatment Plant (WWTP) at the Mary River Mine Site. Upon arrival at the plant, the operator observed that raw sewage flowing from the main lift station at the MSC to the WWTP was overflowing from the screener tank located inside the WWTP causing approximately 2,000 L to be released to the snow covered ground surface outside of the WWTP. At the time of the incident, the main power supply to the WWTP was engaged, however no power was being supplied to the WWTP's Programmable Logic Controller (PLC). With no power supply to the PLC, the plant lost function. A reboot and reset of the PLC was initiated, but was unsuccessful, and the potable water to the MSC was immediately shut-off. The location of the spill was on the camp pad and greater than 100 metres from the closest water body which is presently frozen.

Immediate and Follow-Up Action:

BIM Electricians arrived at the WWTP and successfully rebooted the PLC, this brought it back on-line and the WWTP was restarted. Once the plant was able to draw tank levels down to a safe range, the potable water to the MSC was turned back on at the WTP. The released sewage was contained by pooling and freezing on the ground surface outside of the WWTP (see photos below). The contaminated snow was excavated from the ground surface and transported to PWSP No. 1, a lined sewage storage pond, for safe disposal.

Recommendations:

To prevent future power losses to the PCL controls, Baffinland will install a UPS (Uninterruptable Power Supply – Power Conditioner). In the interim, increased monitoring of the PLC and power supply has been initiated to identify further indications of problems.

Current Status:

The Mine Site WWTP is currently fully operational and has had no loss of power supply to the PCL since this incident.

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 blue ink, appearing to read "L. Willemse".

Lea Willemse,
Environmental Coordinator

Reviewed by:

Jim Millard
Environmental Manager

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Trevor Myers, Robert Savard, Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 - Spill location - Mine Site WWTP



Photo 2 – Spill Location - Mine Site WWTP



Photo 3 – Spill Location - Mine Site WWTP



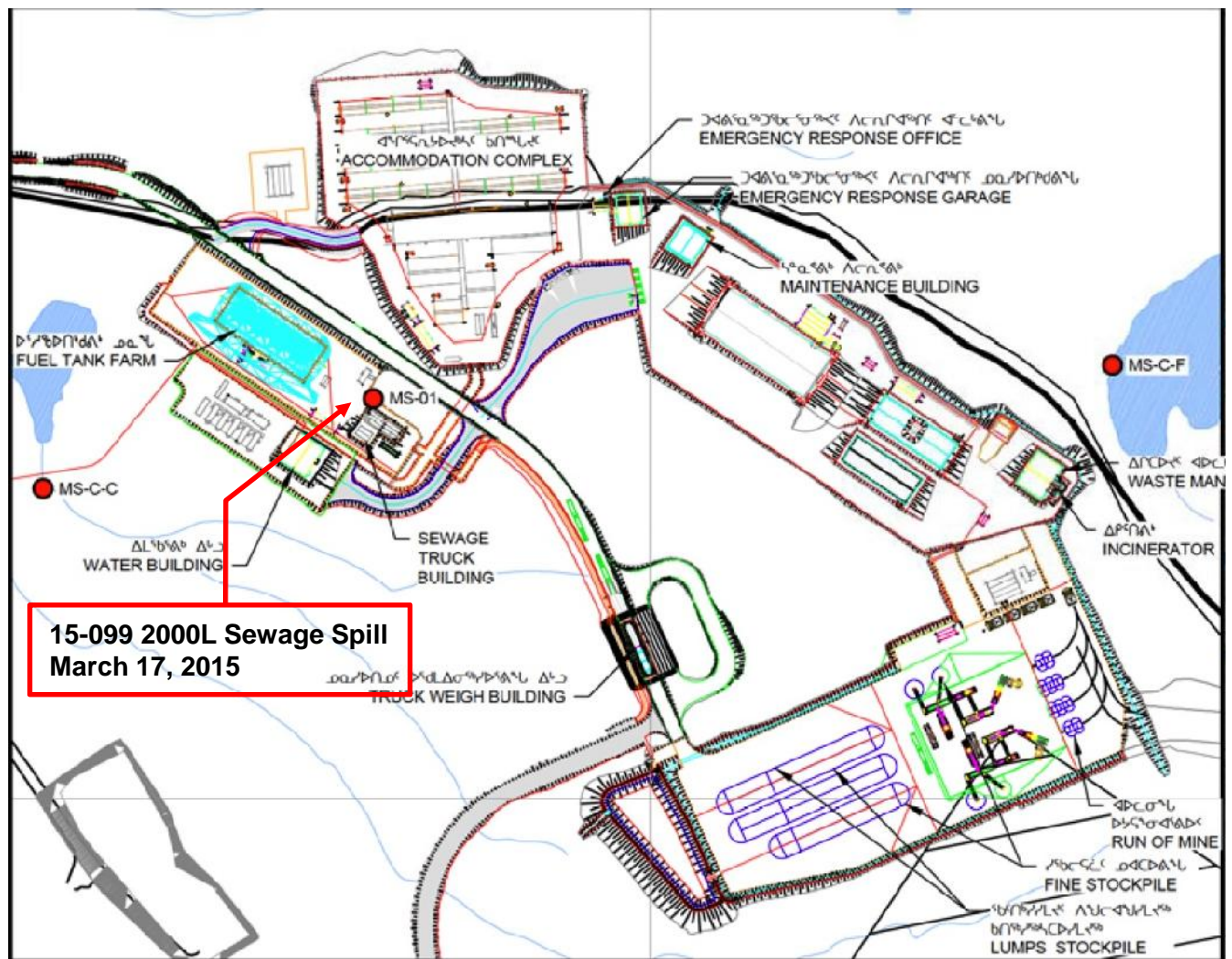
Photo 4 – Clean Up - Mine Site WWTP



Photo 5 – Clean Up - Mine Site WWTP



Photo 6 – Clean Up - Mine Site WWTP



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 March 17, 2015	REPORT TIME 10:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 099
B	OCCURRENCE DATE: MONTH – DAY – YEAR March 17, 2015	OCCURRENCE TIME 05:45			
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 47		LONGITUDE DEGREES 79 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 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 WWTP Lift Station	SPILL CAUSE PLC Failure	AREA OF CONTAMINATION IN SQUARE METRES Approx. 20 sq meters		
J	FACTORS AFFECTING SPILL OR RECOVERY Freezing Conditions	DESCRIBE ANY ASSISTANCE REQUIRED Heavy Equipment for Clean-up	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 05:45 it was noticed that there were no running or alarm lights on the WWTP. Upon arrival at the plant, there was raw sewage flowing down from the main lift station at MSC into the tank and overflowing. The main power was on in the plant, but power was lost to the PLC of the plant. A reboot/reset was tried on the PLC but was unsuccessful and the potable water to the MSC was shut off at the WTP to prevent any further spills or a sewage spill at the lift stations up at the MSC. BIM Electrical and Environment were called to the WWTP and further attempts to reboot the system were eventually successful. Once the plant PLC was back online and the plant was restarted, it was possible to draw the levels down to a safe range and the potable water supply was turned back on. The spill was contained by pooling and freezing and impacted an area of approximately 20 square meters. The clean-up is presently ongoing and the closest receiving waters are greater than 100 meters away as well as presently frozen. Further detail will be provided in the follow-up report.				
L	REPORTED TO SPILL LINE BY Trevor Myers	POSITION Enviro Superintendent	EMPLOYER Baffinland Iron Mine	LOCATION CALLING FROM Mine Site	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Enviro Manager	EMPLOYER Baffinland Iron Mine	ALTERNATE CONTACT LOCATION 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"/> 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					



April 5, 2015

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

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

Re: Follow-up to Spill #15-117, Reported on March 27th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 19:00 hrs on March 27, 2015, while clearing snow a worker noticed a fresh sewage spill beside the south AG wing lift station at the Mine Site accommodation complex. Upon investigation, the discharge pipe from the lift station had come unglued from a union causing the sewage leak. Based on the extent of the affected area, it was conservatively estimated that 200 litres of untreated sewage was released. The discharge pipe was reattached to the union.

The location of the spill was on the camp pad and greater than 200 metres from the closest water body which is presently frozen.

Immediate and Follow-Up Action:

A vacuum truck was used to pump out the lift station and the lift station pumps were shut off, until the discharge pipe could be reattached to the union. Accessible contaminated snow and ice was removed and disposed of in the Polishing Waste Stabilization Pond (PWSP).

Recommendations:

Extreme temperature changes, which cause the piping and fittings to expand and contract, promotes leaks and pipe failures. Ongoing routine inspection of the piping systems are required to inspect for leaks and potential locations of failure. A longer term plan to improve this situation is being developed.

Current Status:

The system is back in service and regular inspections are conducted on the sewage lift station and sewer lines to verify the system is working as designed.

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:

William Bowden,
Environmental Coordinator

Reviewed by:

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

Allan Knight, B.Sc.
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

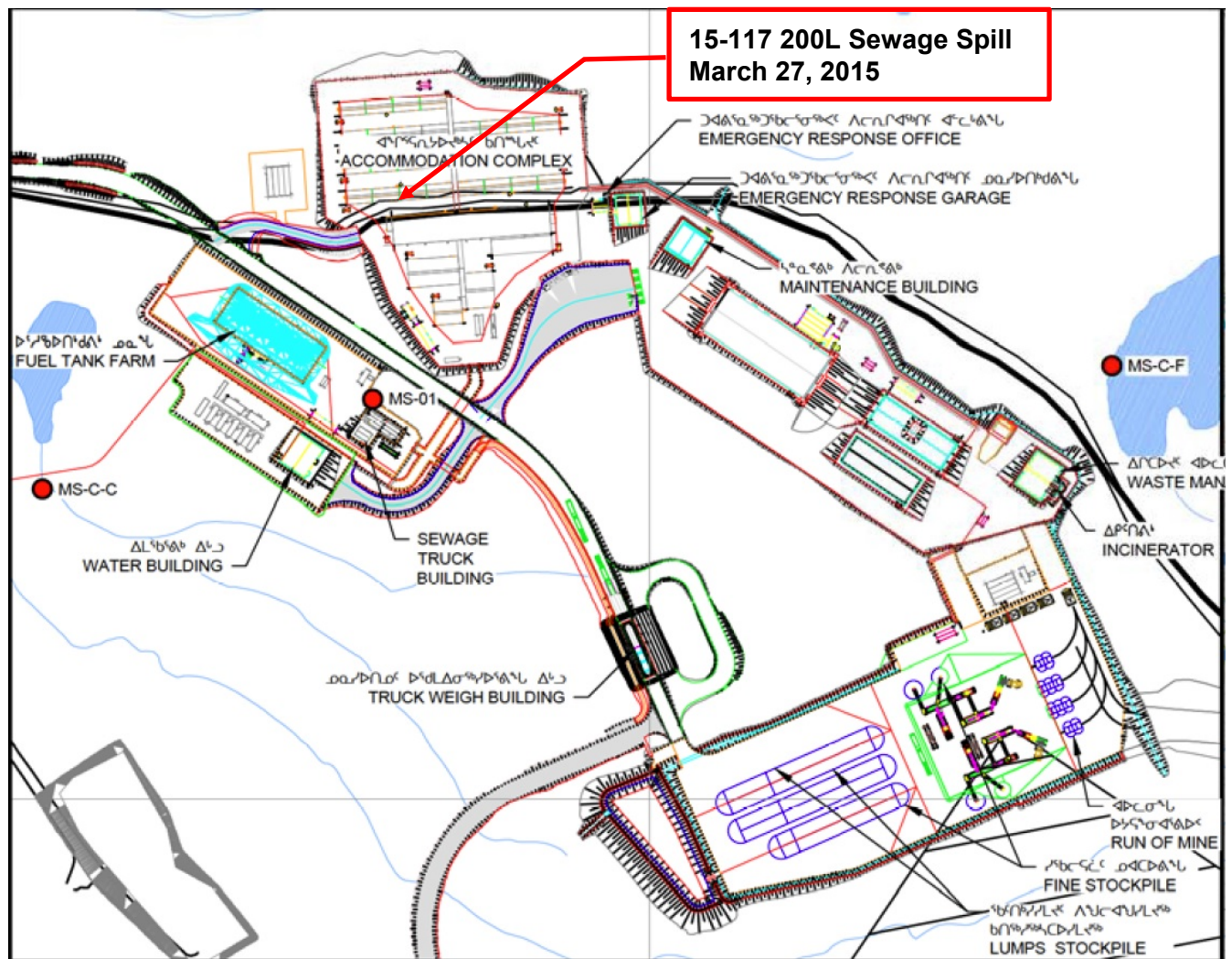
cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers, Nicolas Kuzyk, Lea Willemse (Baffinland), Robert Savard, Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 - Spill location- AG South Wing Lift Station Discharge Pipe



Photo 2 – Repair made on discharge pipe



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 March 27, 2015	REPORT TIME 19:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 117
B	OCCURRENCE DATE: MONTH – DAY – YEAR March 27, 2015	OCCURRENCE TIME 19:00		
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 53	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 NA	CONTRACTOR ADDRESS OR OFFICE LOCATION NA		
H	PRODUCT SPILLED Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 200 litres	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 Sewer Line	SPILL CAUSE Frozen Force Main	AREA OF CONTAMINATION IN SQUARE METRES 20 m2	
J	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED Vacuum Truck	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT	
K	<p>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</p> <p>At 19:00 hrs on March 27, 2015, while clearing snow a worker noticed a fresh sewage spill beside the south AG wing lift station at the Mine Site accommodation complex. A vacuum truck was used to pump out the lift station and the lift station pumps were shut off. Upon initial investigation, it was discovered the discharge pipe from the lift station had come unglued from a union causing the sewage leak. Approximately 200L of sewage was released to the surrounding area.</p> <p>The location of the spill was on the camp pad and greater than 200 metres from the stream to the north.</p> <p>Further details of the incident will be provided in the spill follow up report.</p>			
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site
M	ANY ALTERNATE CONTACT Trevor Myers	POSITION Env. Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT Off Site
ALTERNATE TELEPHONE 647-253-0596				
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				



April 30, 2015

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

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

Re: Follow-up to Spill #15-123, Reported on March 31st, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 16:00 hrs on March 31, 2015, during routine inspections, frozen sewage was discovered underneath the snow around the lift station on the North side of the AF wing at the Mine Site Complex. Initially it was suspected that the spill originated from a broken and frozen outlet pipe near the lift station, causing approximately 1000L of sewage to spill to the adjacent ground surface. However, after further investigation, the discharge pipe was found to be intact with no leak present and the sewage discovered was in fact residual sewage from the 5000L spill (14-431) in December, 2014, that had migrated under the AG wing from the AF wing lift station.

The location of the spill was on the camp pad and greater than 200 metres from the closest water body which is presently frozen.

Immediate and Follow-Up Action:

Snow surrounding the lift station and sewage lines was removed to assess the spill extent and cause. Accessible contaminated snow and ice was removed and disposed of in the Polishing Waste Stabilization Pond (PWSP).

Recommendations:

Extreme temperature changes, which cause the piping and fittings to expand and contract, promotes leaks and pipe failures. Ongoing routine inspection of the piping systems are required to inspect for leaks and potential locations of failure. A longer term plan to improve this situation is being developed.

Current Status:

The system is in service and regular inspections are conducted on the sewage lift station and sewer lines to verify the system is working as designed

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 "Bill Bowden".

William Bowden,
Environmental Coordinator

Reviewed by:

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

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

Attach: Photos, Map, NT-NU Spill Report

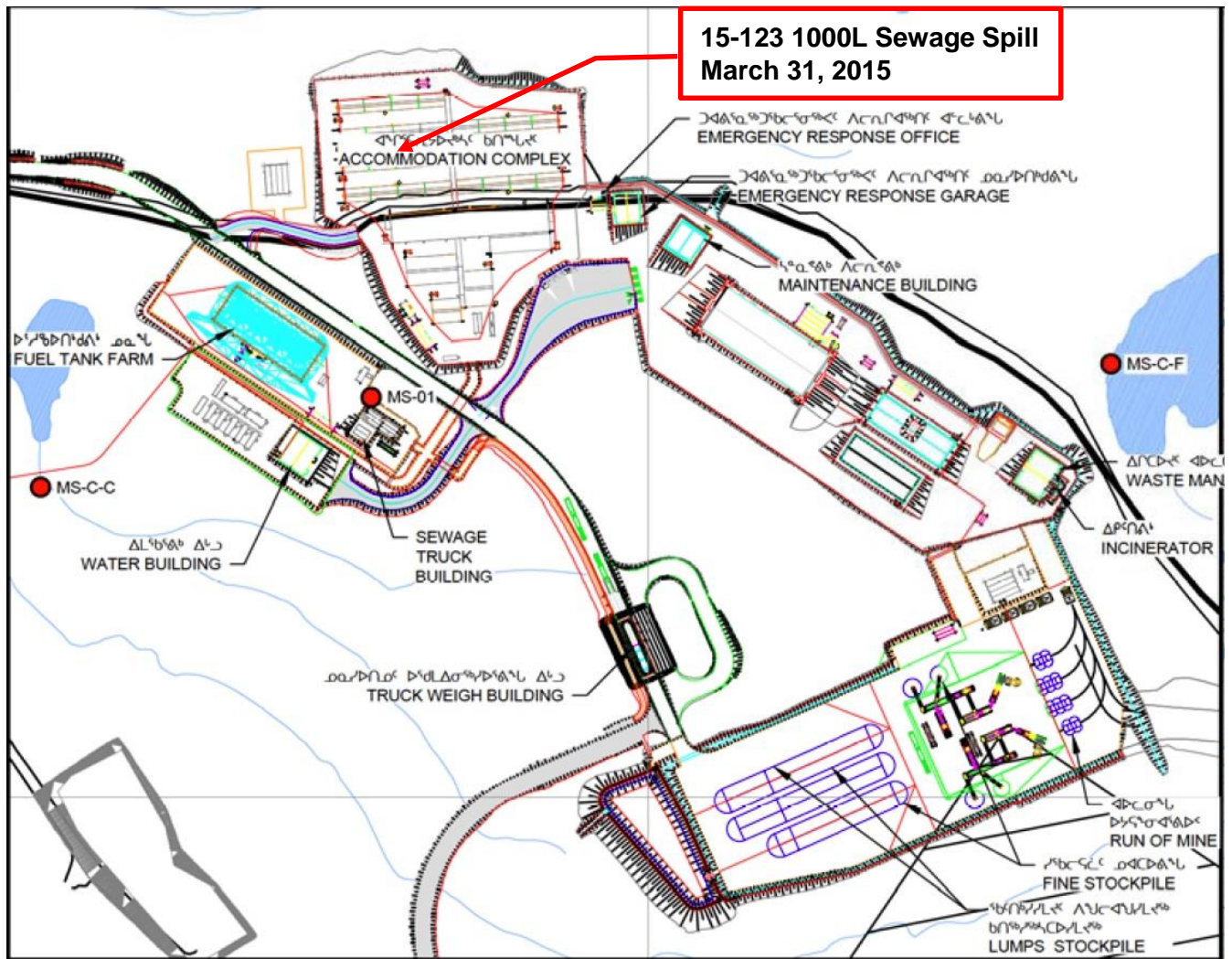
cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers, Nicolas Kuzyk, Lea Willemse (Baffinland), Robert Savard, Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 - Spill location- AF North Wing Lift Station Discharge Pipe



Photo 2 – Frozen sewage encasing half of the discharge pipe



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 March 31, 2015	REPORT TIME 16:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 123
B	OCCURRENCE DATE: MONTH – DAY – YEAR Unknown	OCCURRENCE TIME Unknown		
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 54		LONGITUDE DEGREES 79 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 NA	CONTRACTOR ADDRESS OR OFFICE LOCATION NA		
H	PRODUCT SPILLED Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 1000 litres	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 Sewer Discharge Line	SPILL CAUSE Joint failure	AREA OF CONTAMINATION IN SQUARE METRES 20 m2	
J	FACTORS AFFECTING SPILL OR RECOVERY Frozen, snow over top	DESCRIBE ANY ASSISTANCE REQUIRED Skid steer	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS <p>At 16:00 hrs on March 31, 2015, during routine inspections, frozen sewage was discovered underneath the snow around the lift station on the North side of the AF wing at the MSC. Upon snow removal around the lift station and adjacent discharge pipe, it was discovered that half of the diameter of the discharge pipe, immediately coming from the lift station, was frozen in sewage. Sewage was not immediately leaking at the time of discovery. It is suspected that a joint failure on the discharge pipe caused the sewage spill.</p> <p>The approximate volume of the sewage spill to the surrounding area is 1000L. The sewage is frozen and is not migrating. The location of the spill was on the camp pad, greater than 200 metres from the stream to the north currently frozen.</p> <p>Further details of the incident will be provided in the spill follow up report.</p>			
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site
M	ANY ALTERNATE CONTACT Trevor Myers	POSITION Env. Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT Off Site
REPORT LINE USE ONLY				
N	RECEIVED AT SPILL LINE BY STATION OPERATOR	POSITION STATION OPERATOR	EMPLOYER STATION OPERATOR	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	
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				



May 2, 2015

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

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

Re: Follow-up to Spill #15-130, Reported on April 4th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On April 3, 2015 at 20:00, a pool of untreated sewage was noticed beside the south AG wing lift station at the Mine Site Accommodation Complex (MSC). Upon further investigation, a coupling from a previous repair on the lift station discharge line had failed. Based on the extent of the affected area around the lift station, 10m², it was conservatively estimated that 200 litres of untreated sewage was released.

The location of the spill was on the camp pad and greater than 200 metres from the closest water body which is presently frozen.

Immediate and Follow-Up Action:

A vacuum truck was used to pump out the lift station after the pumps were shut off. The lift station was monitored until the coupling was repaired. Accessible contaminated snow and ice was removed and placed in the Mine Site Polishing Waste Stabilization Pond (PWSP).

Recommendations:

Extreme temperature changes, which cause the piping and fittings to expand and contract, promotes leaks and pipe failures. Ongoing routine inspection of the piping systems are required to inspect for leaks and potential locations of failure. A longer term plan to improve this situation is being developed.

Current Status:

The joint has been repaired and the sewage line is back in service. Regular inspections are conducted on the sewage lift station and sewer lines to verify the system is working as designed

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 that reads "Bill Bowden".

William Bowden,
Environmental Coordinator

Reviewed by:

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

Attach: Photos, Map, NT-NU Spill Report

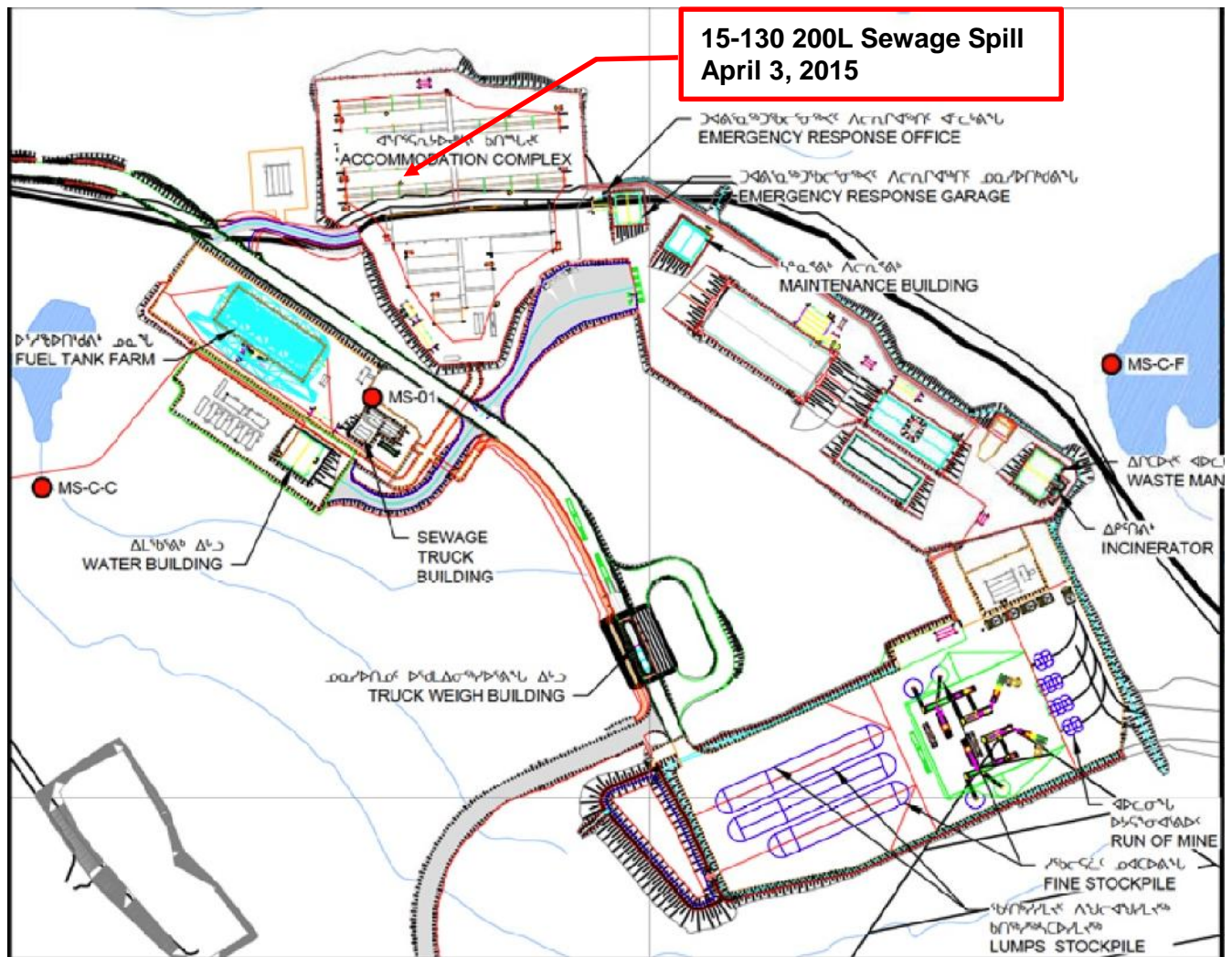
cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers, Nicolas Kuzyk, Lea Willemse (Baffinland), Robert Savard, Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 - Spill location- AG South Wing Lift Station Discharge Pipe



Photo 2 – Discharge Pipe Being Repaired



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 April 4, 2015		REPORT TIME 08:30		<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 130
	OCCURRENCE DATE: MONTH - DAY - YEAR April 3, 2015		OCCURRENCE TIME 20:00			
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 53			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 NA		CONTRACTOR ADDRESS OR OFFICE LOCATION NA			
H	PRODUCT SPILLED Sewage		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 200 litres		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 Sewer Line		SPILL CAUSE Frozen Force Main		AREA OF CONTAMINATION IN SQUARE METRES 10 m2	
J	FACTORS AFFECTING SPILL OR RECOVERY		DESCRIBE ANY ASSISTANCE REQUIRED Vacuum Truck		HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS <p>On April 3, 2015 at 20:00, a pool of untreated sewage was noticed beside the south AG wing lift station at the Mine Site accommodation complex. The lift station pumps were shut off. Upon initial investigation, a coupling on the lift station discharge line had come apart releasing approximately 200 L of untreated sewage to the surrounding camp pad. The location of the spill was greater than 200 meters from the watercourse to the north. Further details of the incident will be provided in the spill follow up report.</p>					
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site	TELEPHONE 647-253-0596	
M	ANY ALTERNATE CONTACT Trevor Myers	POSITION Env. Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT Off Site	ALTERNATE TELEPHONE 647-253-0596	
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						



May 8, 2015

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

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

Re: Follow-up to Spill #15-138, Reported on April 9th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On April 8, 2015 at 8:00 PM, maintenance staff were notified of the smell of sewage in the Mine Site Complex (MSC) Arctic Corridor between the kitchen and the AG dorm wing. Upon further inspection, it was discovered that a joint on the sewage line that discharges the south AG Dorm lift station had failed. The sewage spill affected an area of approximately 20 square meters underneath the MSC Arctic Corridor and was estimated to be 300 litres.

The location of the spill was on the camp pad and greater than 150 metres from the closest water body which is presently frozen.

Immediate and Follow-Up Action:

A vacuum truck was used to pump out the lift station. The lift station was monitored until the joint was repaired. Accessible contaminated snow and ice was removed and placed in the Mine Site Polishing Waste Stabilization Pond (PWSP).

Recommendations:

Extreme temperature changes, which cause the piping and fittings to expand and contract, promotes leaks and pipe failures. Ongoing routine inspection of the sewage lines are required to inspect for leaks and potential locations of failure. A long term solution is currently being developed.

Current Status:

The joint has been repaired and the sewage line is back in service. Regular inspections are conducted on the sewage lift stations and sewer lines to verify the system is working as designed.

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:

Reviewed by:

Andrew Vermeer,
Environmental Coordinator

Allan Knight
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers, Nicolas Kuzyk, Lea Willemse (Baffinland), Robert Savard, Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 – Failed Joint



Photo 2 – Sewage Spill underneath MSC Arctic Corridor



Photo 3 – Repaired Joint

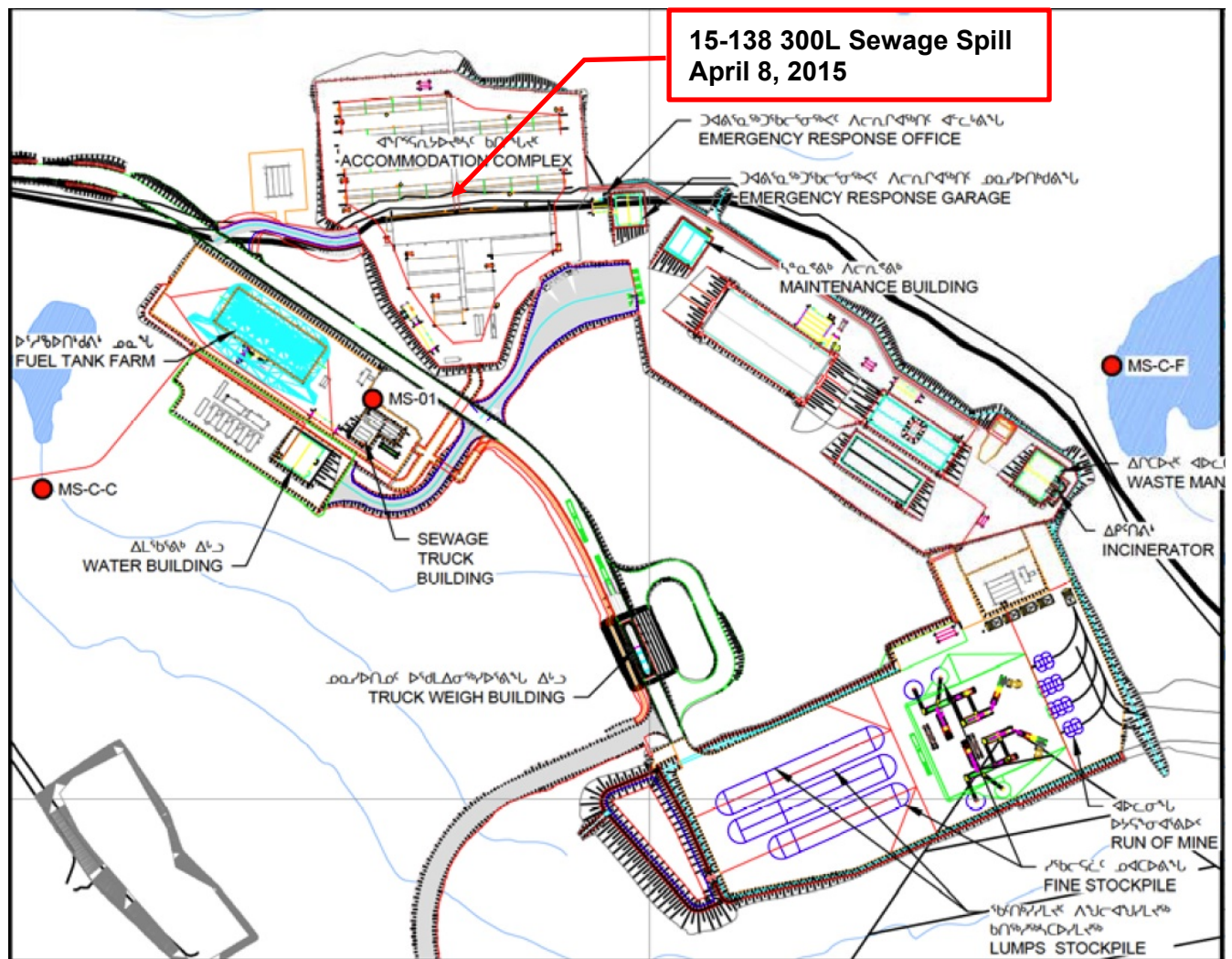


Figure 1 - Spill Location


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 April 9, 2015	REPORT TIME 16:00 HRS	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15-138
	OCURRENCE DATE: MONTH – DAY – YEAR April 8, 2015	OCURRENCE 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 54		LONGITUDE DEGREES 79 MINUTES 17 SECONDS 00	
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 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 Sewage Line	SPILL CAUSE Joint failure	AREA OF CONTAMINATION IN SQUARE METRES 20 square meters	
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 On April 8, 2015 at 8:00 PM, maintenance staff were notified of the smell of sewage in the Mine Site Complex (MSC) Arctic Corridor between the kitchen and the AG dorm wing. Upon further inspection, it was discovered that a joint on the sewage line that drains the south AG Dorm lift station had failed. Maintenance staff immediately contracted the sewage truck to drain lift station and began repairs on the joint. The sewage spill affected an area of approximately 20 square meters underneath the MSC Arctic Corridor and is estimated to be 300 litres. The AG dorm lift station will be monitored regularly until the repairs on the joint are complete. Accessible contaminated snow and ice will be removed and placed in Mine Site PWSP (Pond 1). The spill location is greater than 150 meters from the nearest water body which is currently frozen. Further details of the incident will be provided in the follow up spill report.			
L	REPORTED TO SPILL LINE BY Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River Mine
M	ANY ALTERNATE CONTACT Andrew Vermeer	POSITION Env. Coordinator	EMPLOYER Baffinland	ALTERNATE CONTACT Mary River Mine
ALTERNATE TELEPHONE Ext. 6039				
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				

PAGE 1 OF 1

Figure 2 – NT-NU Spill Report



June 7, 2015

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

**Re: May 6, 2015 Mine Site Exploration Camp Genset Bladder Diesel Spill, NT-NU Spill Report #15-183
Mary River Project - Water Licence No. 2AM-MRY1325**

Dear Mr. Hack:

This letter is to provide an update to the spill that occurred during an inspection of the Mine Site Exploration Camp Genset Bladder berm. A measurable thickness of fuel was observed May 6 on top of the existing P-50 diesel bladder. The spill is entirely contained within the engineered lined containment that is inspected annually by a qualified Geotechnical Engineer. Based on daily monitoring around the foot of the berm of the facility and downstream, there is no observed leakage to the receiving environment from the facility. The majority of the fuel in the bladder had been pumped out in the fall of 2014 to prepare for decommissioning of the facility this summer. Only a minimal amount of fuel was left in the bladder that could not be removed.

Skimming of the free-product has commenced now that the ice and snow has melted. Once most of the free-product has been collected, the remaining contaminated meltwater will be treated and released using our portable oily water treatment system. In the interim, daily monitoring of the stormwater level in the facility is being undertaken. In the event stormwater levels in the facility rise to an unacceptable level due to rainfall events, water will be transferred to other secure facilities.

Further details will be provided in a summary report upon completion of cleanup/decommissioning of this facility.

Should you require further information or clarification on the above, please feel free to contact Allan Knight / Trevor Myers 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, B.Sc.
Environmental Superintendent

Reviewed by:

James Millard, M.Sc. P. Geol.
Environmental Manager

Attach: A – Original Spill Report

cc. Jim Millard, Trevor Myers, Oliver Curran, Erik Madsen (Baffinland),
Justin Hack, Robert Savard, Scott Burgess, (AANDC)



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 May 7, 2015	REPORT TIME 16:00 HRS	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 183
B	OCCURRENCE DATE: MONTH – DAY – YEAR May 6, 2015	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 19 SECONDS 30		LONGITUDE DEGREES 79 MINUTES 22 SECONDS 27		
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 500 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 Fuel Bladder	SPILL CAUSE Under Investigation	AREA OF CONTAMINATION IN SQUARE METRES 20m2		
J	FACTORS AFFECTING SPILL OR RECOVERY Snow & Ice in facility	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>During an inspection of the Mine Site Genset Bladder berm, a measurable thickness of fuel was observed on top of the existing P-50 diesel bladder. The spill is entirely contained within the engineered lined containment that is inspected annually by a qualified Geotechnical Engineer. An inspection around the foot of the berm of the facility indicated no leakage to the environment. The majority of the fuel in the bladder had been pumped out in the fall of 2014 to prepare for decommissioning this summer. Only a minimal amount of fuel was left in the bladder that could not be removed.</p> <p>The spill location is greater than 150 meters from the nearest water body which is currently frozen. Further details of the incident will be provided in the follow up spill report.</p>				
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River Mine	TELEPHONE Ext. 6010
M	ANY ALTERNATE CONTACT Bill Bowden	POSITION Env. Coordinator	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Mary River Mine	ALTERNATE TELEPHONE Ext. 6039
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 _____

Incident Report

To: File

From: James Millard, Environmental Manager

Cc: Erik Madsen, Michael Anderson, Oliver Curran, Trevor Myers, Allan Knight

Date: July 6, 2015

Re: Mary River Project, Mine Site Haul Road Sediment Release - June 26 and 27, 2015.

1. Background

On June 26 and 27, there was a snowmelt event along with some heavy rain on the Mine Haul Road which caused some erosion of the road embankment and ditching system, especially between kilometre markers 107 to 108. The event resulted in some short term siltation to Mary River, via a non-fisheries drainage. In accordance with the Water Management Plan, water management controls were implemented, that included construction of numerous silt fences, check dams, and the redirection of water to natural sumps with ditches using mechanical equipment. As of Saturday evening (June 27), the situation had stabilized and monitoring in Mary River conducted on June 28 and June 29 showed normalized conditions with regard to sediment levels.

DFO, AANDC, and QIA were notified of the event via e-mail on June 29. A QIA Inspector was at site at the time of the incident, and was able to view the sections of the Mine Haul Road that were associated with the incident, the downstream areas affected, the mitigation measures/controls implemented, and the follow-up monitoring that was undertaken.

Incident details/actions, monitoring/sampling results, and conclusions/corrective actions are provided in Sections 2, 3, and 4, below. Photographs are provided in Attachment A. Maps showing the area of the incident as well as sampling/monitoring locations are provided as Attachment B.

2. Incident Details

June 26

At approximately 1300 HRS, Environment personnel conducting routine stream water quality monitoring in the vicinity of the Mary River, near the Mine Haul Road, reported what appeared to be poor runoff quality discharging to the Mary River via a tributary at sample location FO-01. The runoff entering Mary River originated from a non-fisheries tributary that received some drainage from a culvert near the 107 kilometre marker of the Mine Haul Road. The terrain where the release occurred is steeply sloping. The tributary is a rocky stream with an extreme gradient averaging between 25 and 30%. The following actions were undertaken immediately on June 26:

- Environmental technologists were dispatched to sample and document conditions at the above location and in the Mary River downstream receiving environment and to assess potential mitigation measures.

- Environment and Mine Operations personnel performed an assessment on the Mine Haul Road and located a problematic area between km markers 107 and 109. The results of the assessment indicated that the high flows from the snow melt event caused ditches to overflow, onto the road surface and embankment, eroding and causing surface water to become impacted with sediments, which then discharged via a culvert near km 107 to a tributary (non-fisheries) and then discharged to Mary River. In addition, some of the culverts on the Mine Haul Road were observed to be blocked with sediment and impaired resulting in a partial to full loss of functionality.
- Environment personnel conducted flow mapping of drainage in the Mine Haul Road area and a preliminary action plan was developed involving the blockage of flows through the culvert at km 107 and the redirection of flows to a natural sump at km 105. The discharge of water at this location would eventually flow in the direction of Sheardown Lake. Therefore, a number of silt fences were required to be erected downstream of km 105 sump to protect that drainage before implementing the plan.
- Over the evening of June 26, temperatures decreased, flows in ditches reduced, and the water clarified, resulting in a substantial decrease of sediment loadings to Mary River from the culvert at Km 107. The implementation of the action plan was therefore temporarily deferred overnight, based on these observations.

June 27

On the morning of June 27, lower flows that were generally clear, continued to be observed, but as the day progressed, and ambient temperatures increased, higher flows and more sedimentation resulted. The Action Plan was implemented. During June 27, the following actions were undertaken:

- First thing in the morning, silt fence installation crews were mobilized downstream of km 107 and later downstream of km 106 and 105 of the Mine Haul Road.
- Towards early afternoon, it was observed that silt fences downstream of km 107 were becoming overloaded with sediment and the decision was made to block the culvert at km 107 and reroute the drainage to km 106 and km 105, where there was gentler topography and where silt fences had been erected.
- The plan successfully reduced sedimentation to Mary River with no effect to the Sheardown Lake drainage.
- Visual monitoring was ongoing for the rest of the day.

June 28

Confirmation sampling on tributary and Mary River was conducted indicating that sediment levels had returned to background concentrations. Flows on Mary River were considered to be low to average, based on visual observation on June 26, but became high to extreme commencing on June 27, being fed by the melting of the snowpack in upstream highland areas. This had the effect of quickly dispersing solids that were discharged to the river on June 26.

3. Monitoring and Sampling Results

Monitoring rounds were conducted on June 26, June 28, and June 29 for total suspended solids and turbidity. Sample results are provided in Table 1, below, with locations illustrated in Attachment B. The June 26 sampling event was conducted under worst case conditions, shortly after the discovery of the problem. On June 27, flows in Mary River were higher and sediment discharge reduced to acceptable limits. The follow-up sampling events conducted on June 28 and 29 reflect these normalized conditions. Analyses was conducted in the accredited on-site ALS Environmental Laboratory.

Table 1 – Water Quality Monitoring Results

Sample ID	June 26		June 28		June 29		Location (from SSL)
	TSS (mg/L)	Turbidity (NTU)	TSS (mg/L)	Turbidity (NTU)	TSS (mg/L)	Turbidity (NTU)	
Sediment Source Location (SSL)							
FO-01	623	787	11.2	4.42	3.6	2.68	Tributary to Mary River (non-fish bearing)
Downstream Sample Locations							
EO-10	155	126	7.6	4.03	2.8	4.17	80 m downstream
EO-03	23.2	24.2	5.6	4.05	9.2	4.46	1.3 km downstream
EO-21	15.6	18.7	4.4	4.03	6.4	5.65	2.3 km downstream
EO-20	11.6	13.6	5.2	4.12	<2.0	4.40	3.2 km downstream
CO-10	6.4	10.3	3.6	4.62	<2.0	4.33	4.3 km downstream
CO-05	5.2	9.95	<2.0	4.13	3.2	4.59	7.7 km downstream
CO-01	6.8	12.9	3.2	4.35	4.8	4.58	11.2 km downstream
Upstream Sample Locations							
GO-09A	-	-	-	-	46.4	16.6	8.0 km upstream
GO-09	-	-	-	-	13.6	8.08	6.5 km upstream
GO-09B	-	-	-	-	12.8	8.75	5.0 km upstream
GO-03	-	-	-	-	12.0	5.42	2.5 km upstream

4. **Conclusions and Corrective Actions**

The discharge of sediment into Mary River was a short term condition caused by a combination of weather conditions (snow melt and rainfall event), in addition to a culvert system that was impaired due to partial burial during winter construction and/or plugging from sediment deposition. The sediment release was of short duration (<36 hours) and of limited extent. Upstream reference samples taken a couple of days after the sediment release, as well as historical baseline data, indicated elevated TSS and minor turbid conditions are not unusual in the Mary River drainage system, especially during snow melt conditions. Peak flows during freshet through the Mary River near the site of the incident are very high with

discharges greater than 100 m³/s not unusual. Freshet flows typically occur from late June to mid-July for the Mary River system.

The following corrective actions are to be implemented over the course of the summer in an effort to reduce erosion and sedimentation downstream:

1. The culvert drainage system along the Mine Haul Road is to be reviewed and culverts that are functionally impaired are to be replaced as required.
2. Improvements to the ditching system will be made and are to include the construction of numerous sumps and check dams to slow the water down and aid in settlement and routine maintenance of the same.
3. Riprap, when available, will be installed as needed and as required at strategic locations such as ditches and check dams and culvert outlets.
4. Sections of the road embankment are quite fine grained and susceptible to erosion. These areas should be targeted for road capping with more stable rock material when it becomes available.
5. In an effort to improve environmental performance of the drainage system, a chemical flocculant has been procured and is being shipped to site for use on a test basis. Information in the form of MSDSs provided by the manufacturer indicate that the product is non-acutely toxic to the aquatic environment when used as recommended.

During periods of major rainfall/snowmelt, the Mine Haul Road drainage system will be monitored for operational and environmental functionality and improvements will be made based on those observations and lessons learned.

The Aquatic Effects Monitoring Program (AEMP) established under the Water Licence is designed to detect potential adverse effects to the aquatic ecosystem. There is a network of monitoring locations within Mary River and Mary Lake that is designed to measure potential effects such as from incidents such as this short term sediment release (see water quality sampling location plan in Attachment B). The AEMP is currently underway and a report will be provided as part of the 2015 annual reporting regime. The occurrence of this sedimentation event will be considered in the interpretation of AEMP results.

ATTACHMENT A
PHOTOS



Photo 1: Culvert at Km 107 of Mine Haul Road. Sediment released downstream from this location on June 26 and 27 from erosion of road embankment and upstream ditches.



Photo 2: View downstream on June 26 from road embankment at Km 107 of Mine Haul Road showing drainage pathway to tributary that drains to Mary River. Mary River upstream in background.



Photo 3 – view upstream toward culvert at Km 107 Mine Haul Road. Note steep gradient and silt fences erected June 27.



Photo 4: Silt fences effectively trapping sediment release downstream of Culvert at Km 107 on June 27.



Photo 5: View upstream of sample location FO-01, near confluence of Mary River at time of discovery of sediment release on June 26. Prior to implementing mitigative actions.



Photo 6: Just upstream of Photo 4, on June 28 after implementation of mitigative actions on June 27. Stream is running clear.



Photo 7: View downstream Mary River at confluence of tributary, just downstream from sampling location FO-01 at time of discovery of sediment release on June 26, prior to implementing mitigative actions.



Photo 8: View of confluence of tributary with Mary River on June 28 after implementing Action Plan on June 27. Stream is running clear. Note increased flow in Mary River.

ATTACHMENT B
LOCATION AND SAMPLE LOCATION MAPS



Satellite photograph showing location of Mine Haul Road, Culvert at km 107, and flow path to Mary River. Also near field downstream sampling locations are illustrated.



June 19, 2015

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

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

Re: Follow-up to Spill #15-211, Reported on May 22st, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At the Mine Site Complex (MSC) on May 20, 2015 at 6:00 AM, it was discovered that a 90° joint on the sewage line (pressurized) that drains the south AF Dorm lift station had failed. The sewage spill affected an area of approximately 20 square meters underneath the MSC Arctic Corridor and is estimated to be approx. 500 litres.

The location of the spill was on the camp pad and greater than 150 metres from the closest water body.

Immediate and Follow-Up Action:

A vacuum truck was used to pump out the lift station and joint was locked out. The lift station was monitored until the joint was repaired. Accessible contaminated snow and ice was removed and placed in the Mine Site Polishing Waste Stabilization Pond (PWSP).

Recommendations:

Extreme temperature changes, which cause the piping and fittings to expand and contract, promotes leaks and pipe failures. Ongoing routine inspection of the sewage lines are required to inspect for leaks and potential locations of failure. A long term solution is currently being developed.

Current Status:

The joint has been repaired and the sewage line is back in service. Regular inspections are conducted on the sewage lift stations and sewer lines to verify the system is working as designed.

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:

Reviewed by:

Andrew Vermeer,
Environmental Coordinator

Trevor Myers
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers, Nicolas Kuzyk, Lea Willemse (Baffinland), Robert Savard, Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 – Failed Joint



Photo 2 – Sewage Spill underneath MSC Arctic Corridor



Photo 3 – Repaired Joint

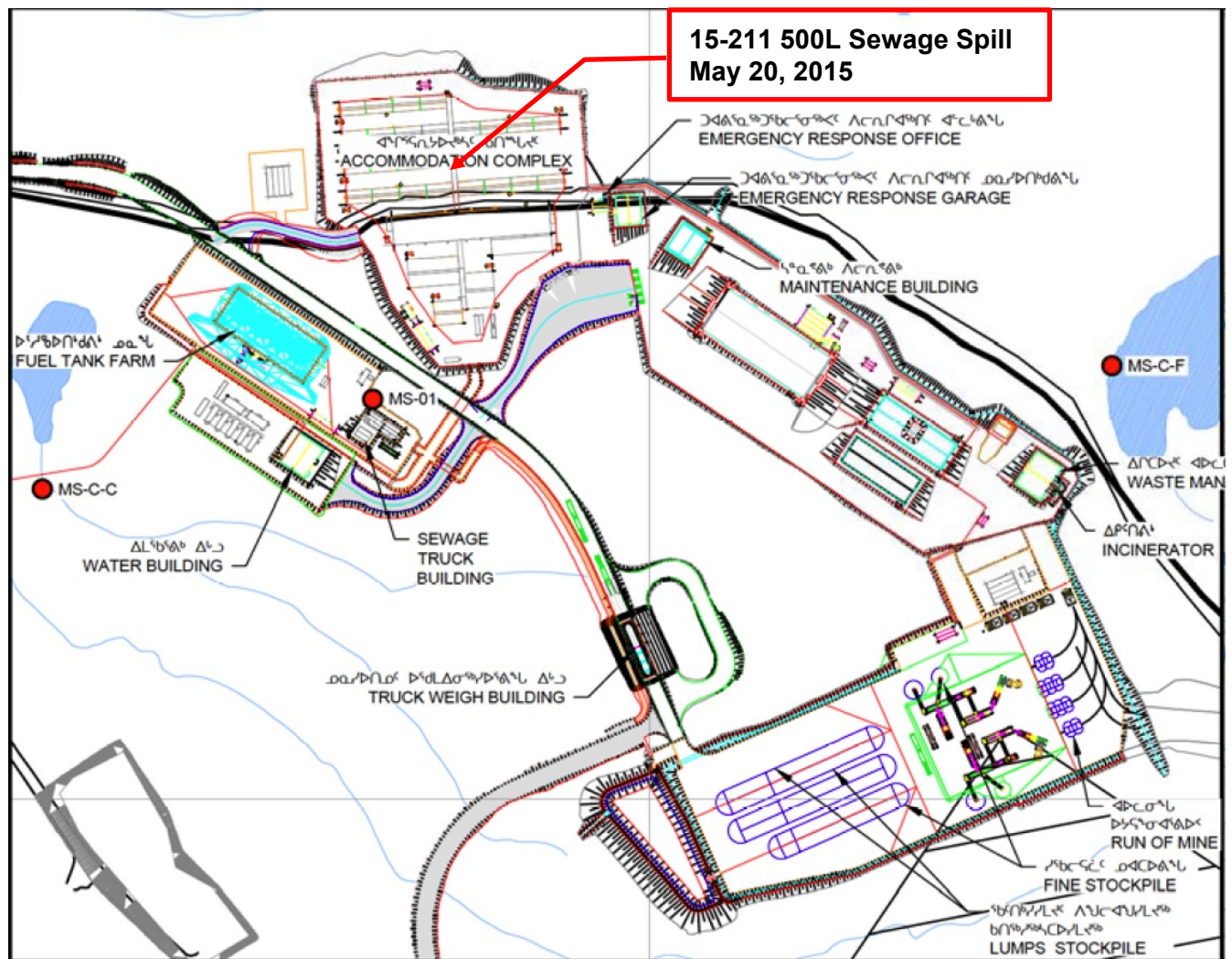


Figure 1 - Spill Location



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 May 21, 2015	REPORT TIME 06:00 HRS	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 211
B	OCCURRENCE DATE: MONTH – DAY – YEAR May 20, 2015	OCCURRENCE TIME 07:00 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 54		LONGITUDE DEGREES 79 MINUTES 17 SECONDS 00	
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 500 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 Sewage Line	SPILL CAUSE Joint failure	AREA OF CONTAMINATION IN SQUARE METRES 20 square meters	
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 On May 20, 2015 at 6:00 AM, at the Mine Site Complex (MSC) it was discovered that a 90° joint on the sewage line (pressurized) that drains the south AF Dorm lift station had failed. Accommodations Maintenance immediately contracted the vacuum truck to drain the south AG Dorm lift station and began repairs on the failed joint. The sewage spill affected an area of approximately 20 square meters underneath the MSC Arctic Corridor and is estimated to be approx. 500 litres. The failed joint is currently locked out and the south AF Dorm lift station will be monitored regularly until the repairs on the joint are complete. Accessible contaminated snow and ice will be removed and placed in Mine Site PWSP (Pond 1). The spill location is greater than 150 meters from the nearest water body which is currently frozen. Further details of the incident will be provided in the follow up spill report.			
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River Mine
M	ANY ALTERNATE CONTACT Trevor Myers	POSITION Env. Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT Mary River Mine
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"/> 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



July 9, 2015

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

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

Re: Follow-up to Spill 15-247 Reported on June 9th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 00:00 on June 9, 2015, a fuel tanker operator was refueling at the diesel refueling module at Milne Port. The operator misjudged the compartment capacity of the tanker he was currently operating with the compartment capacity of the tanker that he was previously driving which holds approx. 1,000 L more. As a result, approx. 150 L was released as an overfill from the top fill port before the operator observed the overfill and shut-down the fuel supply.

The spill location was contained within a bermed containment facility which is inspected annually by a geotechnical engineer and is greater than 100 m from the nearest water body.

Immediate and Follow-Up Action:

Upon shut-down of the fuel supply, any fuel dripping from the side of the tanker compartment was wiped to prevent further spillage prior to removing it from the impacted area. The impacted ground cover (sand/gravel fill) was excavated and placed at the Milne Port Landfarm Facility. It was then replaced with clean fill material and inspected to confirm that residual fuel was not present. The clean-up was determined to be complete.

Recommendations:

In order to avoid future occurrences, Baffinland has posted signs indicating each fuel tank capacity in the cab compartment of each fuel tanker as a reminder to operators. Each sign has been posted in such a place that is in clear view of the operator.

Current Status:

The impacted area is free of contamination, and is in normal operation.

Should you require further information or clarification on the above noted spill, please feel free to contact Allan Knight / Trevor Myers at (647) 253-0596 Ext. 6010 or Jim Millard at (902) 403-1337.

Prepared By:

Reviewed by:

Lea Willemse,
Environmental Coordinator

Allan Knight,
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Michael Anderson, Jim Millard, Trevor Myers, Jennifer St. Paul Butler (Baffinland),
Scott Burgess, Erik Allain, (AANDC), Manager of Licencing (NWB).



Photo 1 – Diesel Tanker Overfill Spill



Photo 2 – Diesel Overfill of Tank



Photo 3 – Spill Clean-up in Progress



Photo 4 – Spill Clean-up Complete

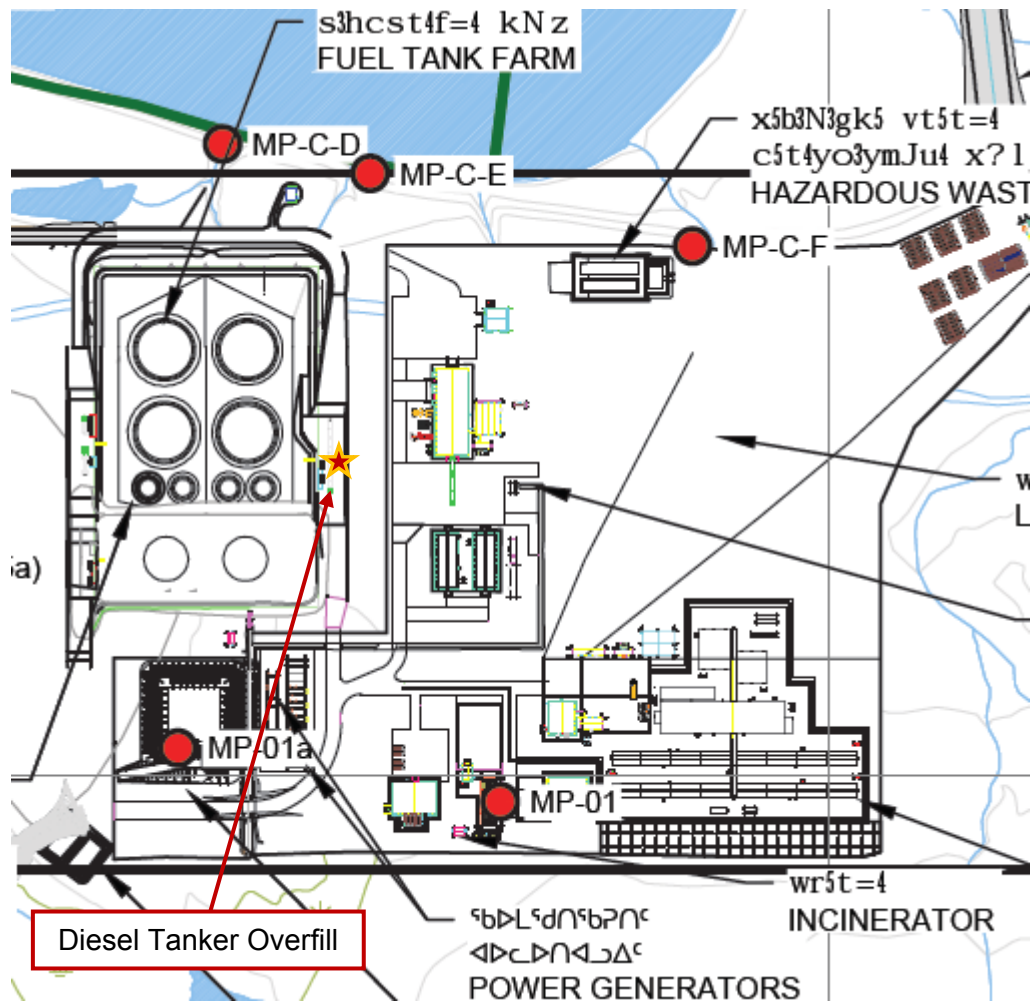


Figure 1 – Spill Location



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 June-09-2015	REPORT TIME 00:00 hrs	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 - 247
	OCCURRENCE DATE: MONTH - DAY - YEAR June-09-2015	OCCURRENCE TIME 00:00 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 08		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 35	
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 Diesel Fuel	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 150 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 Fuel Tanker Truck	SPILL CAUSE Tank Overfill	AREA OF CONTAMINATION IN SQUARE METRES 15	
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 <p>At 00:00 09-Jun-15, a fuel tanker operator was refueling at the diesel refueling module at Milne Port. The operator misjudged the compartment capacity of the tanker he was currently operating with the compartment capacity of the tanker that he was previously driving which holds approx. 1,000 L more. As a result, approx. 150 L was released as an overflow from the top fill port before the operator observed the overflow and shut-down the fuel supply.</p> <p>The spill location was contained within a bermed containment facility which is inspected annually by a geotechnical engineer and is greater than 100 m from the nearest water body.</p> <p>The impacted ground cover (sand/gravel fill) was excavated and placed at the Milne Port Landfarm Facility. It was then replaced with clean fill material. Further details of the incident will be provided in the follow-up spill report.</p>			
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River Mine
M	ANY ALTERNATE CONTACT Trevor Myers	POSITION Env. Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT Mary River Mine
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				

PAGE 1 OF _____



July 15, 2015

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

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

Re: Follow-up to Spill #15-254, Reported on June 13th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On June 13, 18:30, during an inspection of the Mine Site Hazardous Waste Berms, a measurable volume of used oil was observed inside the bermed facility. The spill is entirely contained within the engineered lined containment that is inspected annually by a qualified Geotechnical Engineer. An inspection around the foot of the berm of the facility indicated no leakage to the environment. The melt water from this berm had recently been pumped out (June 9, 2015). Upon initial inspection, two 1m³ totes were discovered to have broken and drained into the berm. The spill location is greater than 200 meters from the nearest water body.

Immediate and Follow-Up Action:

The berm is storage to numerous 1 m³ totes containing used hydrocarbons awaiting backhaul for proper disposal. Clean up of the used oil released will commence upon removal of these full containers in preparation for the 2015 backhaul sealift.

Recommendations:

Proper stacking and placement all hazardous materials within line containment structures has been communicated to all responsible departments.

Current Status:

The final cleanup of the released used oil will commence upon removal of totes during the manifesting of containers for the 2015 backhaul sea lift. 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.

Preparation for the 2015 hazardous waste backhaul is currently proceeding.

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 "Allan Knight".

Allan Knight,
Environmental Superintendent

Reviewed by:

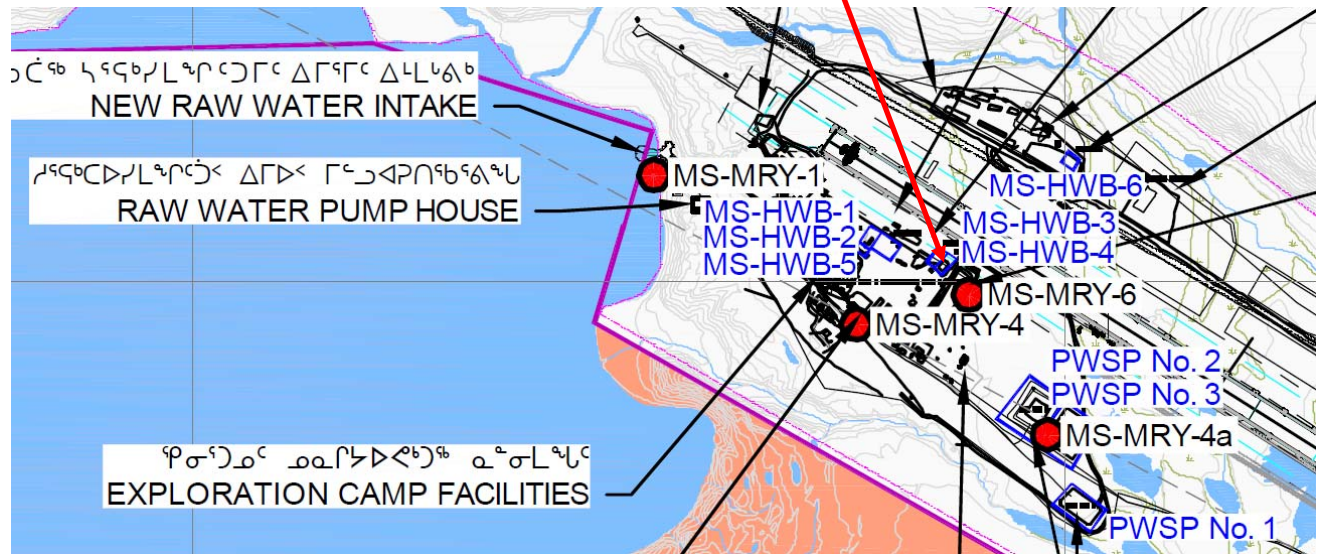
A handwritten signature in black ink, appearing to read "Jim Millard".

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

Attach: Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers, Nicolas Kuzyk, Lea Willemse (Baffinland), Erik Allain, (AANDC), Manager of Licencing (NWB)

**15-254 2000L Used Oil
Spill June 13, 2015**



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 June 13, 2015	REPORT TIME 18:30 HRS	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 254
	B	OCCURRENCE DATE: MONTH – DAY – YEAR June 13, 2015	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 19 SECONDS 34		LONGITUDE DEGREES 79 MINUTES 22 SECONDS 06		
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 Used Motor Oil	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 2000 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 2 - 1 m3 Plastic Totes	SPILL CAUSE Under Investigation	AREA OF CONTAMINATION IN SQUARE METRES 20m2		
J	FACTORS AFFECTING SPILL OR RECOVERY Inside Lined Containment Berm	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>During an inspection of the Mine Site Hazardous Waste Berms, a measurable volume of used oil was observed inside the bermed facility. The spill is entirely contained within the engineered lined containment that is inspected annually by a qualified Geotechnical Engineer. An inspection around the foot of the berm of the facility indicated no leakage to the environment. The melt water from this berm had recently been pumped out (June 9, 2015). Upon initial investigation, two cubic meter totes were discovered to have broken and drained into the berm.</p> <p>The spill location is greater than 200 meters from the nearest water body. Further details of the incident will be provided in the follow up spill report.</p>				
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River Mine	TELEPHONE Ext. 6010
M	ANY ALTERNATE CONTACT Andrew Vermeer	POSITION Env. Coordinator	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Mary River Mine	ALTERNATE TELEPHONE Ext. 6039
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 _____



August 18, 2015

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

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

Re: Follow-up to Spill #15-313, Reported on July 19, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On July 19, 2015 at 11:30 AM, a worker discovered a pool of untreated sewage beside the Mine Site Complex kitchen lift station between the kitchen and the main office. Upon further investigation it was discovered that a coupling on the lift station discharge line (pressurized) had come apart releasing approximately 300 L of untreated sewage to the surrounding camp pad and impacting an area of approximately 12 m². The location of the spill was greater than 200 meters from the nearest watercourse.

Immediate and Follow-Up Action:

The worker immediately shut off lift station pump and notified his Supervisor and the Environment Department. The vacuum truck was used to empty the lift station and remove any pooling sewage.

Recommendations:

Temperature changes, which cause the piping and fittings to expand and contract, promotes leaks and pipe failures. Ongoing routine inspection of the sewage lines are required to inspect for leaks and potential locations of failure. Currently, all of the sewage piping on the complex is currently in the process being replaced.

Current Status:

The coupling has been repaired and the sewage line is back in service. Regular inspections are conducted on the sewage lift stations and sewage lines to verify the system is working as designed.

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 "Andrew Vermeer".

Andrew Vermeer,
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "Trevor Myers".

Trevor Myers
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers, Nicolas Kuzyk, Lea Willemse (Baffinland), Robert Savard, Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 – Failed Joint



Photo 2 – Sewage Spill Response



Photo 3 – Repaired Joint

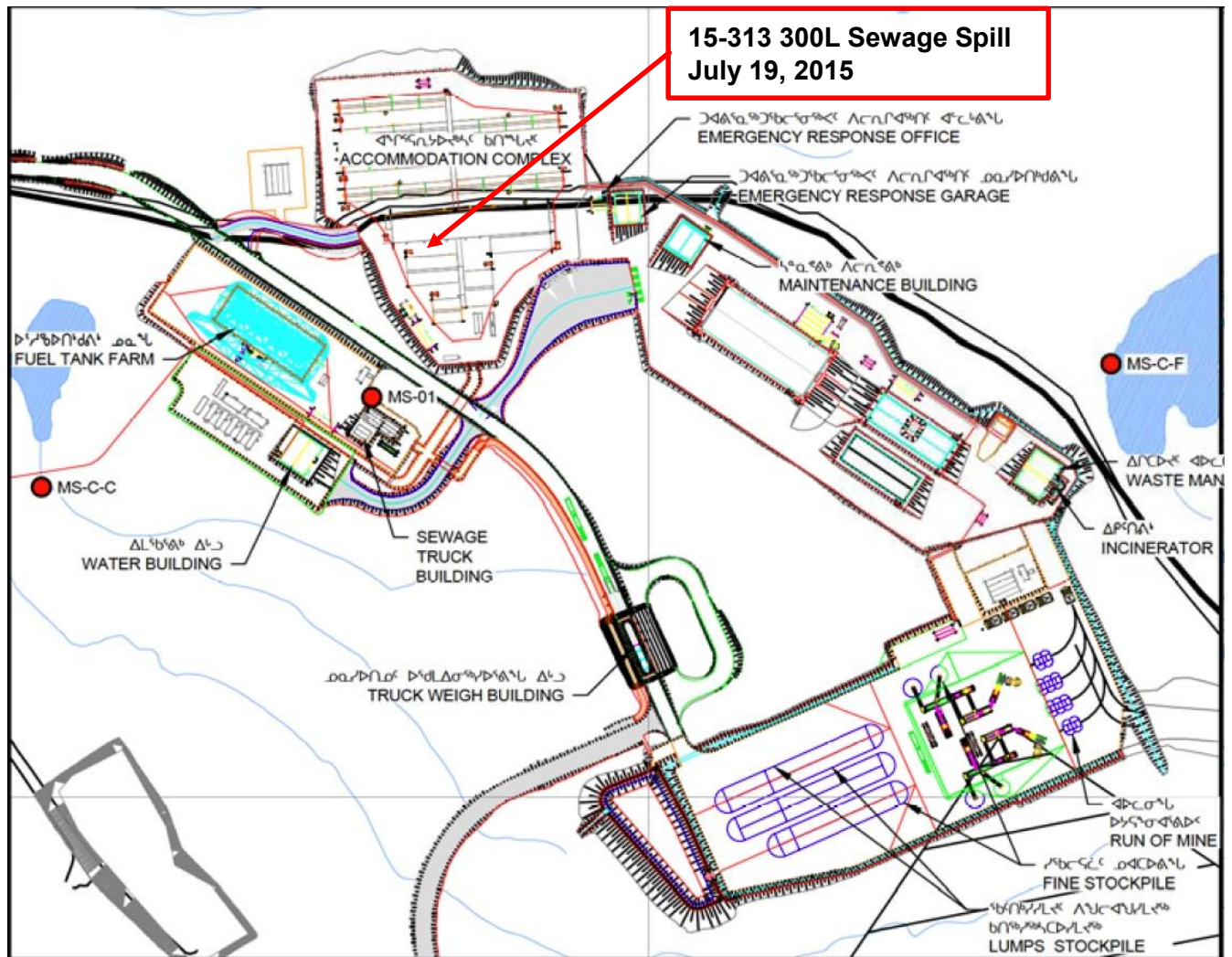


Figure 1 - Spill Location

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 July 20, 2015		REPORT TIME 11:30 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 313
	OCCURRENCE DATE: MONTH – DAY – YEAR July 19, 2015		OCCURRENCE TIME 11:30 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 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 58		
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 NA		CONTRACTOR ADDRESS OR OFFICE LOCATION NA		
H	PRODUCT SPILLED Sewage		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 300 Litres	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 Sewer Line		SPILL CAUSE Line Failure	AREA OF CONTAMINATION IN SQUARE METRES 12 m2	
J	FACTORS AFFECTING SPILL OR RECOVERY N/A		DESCRIBE ANY ASSISTANCE REQUIRED Vacuum Truck	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 <p>On July 19, 2015 at 11:30 AM, a worker discovered a pool of untreated sewage beside the MSC kitchen lift station between the kitchen and MSC main office. The worker immediately shut off lift station pumps and notified his Supervisor and the Environment Department. The vacuum truck was used to empty the lift station and remove any pooling sewage. Upon further investigation it was discovered that a coupling on the lift station discharge line (pressurized) had come apart releasing approximately 300 L of untreated sewage to the surrounding camp pad and impacting an area of roughly 12m2. The location of the spill was greater than 200 meters from the nearest watercourse and further details of the incident will be provided in the spill follow up report.</p>				
L	REPORTED TO SPILL LINE BY Trevor Myers	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Jim Millard	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	POSITION STATION OPERATOR	EMPLOYER	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"/> LA <input type="checkbox"/> INAC <input type="checkbox"/> WEB <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



August 18, 2015

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

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

Re: Follow-up to Spill #15-311, Reported on July 19th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

During a routine inspection at the Port Site Complex on July 19, 2015 at 9:15 AM, it was noticed that sewage was coming out of the main lift station. Upon further inspection it was determined that the float switch that engages the pump had become impeded, resulting in the main lift station to overflow. The sewage spill affected an area of approximately 10 square metres (m²) on the adjacent land surface and is estimated to be approximately 200 liters. The location of spill was on the camp pad and was greater than 50 metres from the closest water body.

Immediate and Follow-Up Action:

A vacuum truck was immediately used to pump out the tank and any pooled sewage around the lift station.

Recommendations:

Ongoing regular inspections of the sewage lines and lift stations will be conducted to ensure all components are working properly.

Current Status:

The float switch has been repaired and the system is back in service.

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 "Andrew Vermeer".

Andrew Vermeer,
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "Trevor Myers".

Trevor Myers
Environmental Superintendent

Attach: Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Allan Knight, Nicolas Kuzyk, Lea Willemse (Baffinland), Erik Allain, (AANDC), Manager of Licencing (NWB)



PHOTO 1 – Lift Station Spill



PHOTO 2 – Lift Station Spill Response



PHOTO 3 – Lift Station Spill Clean-up

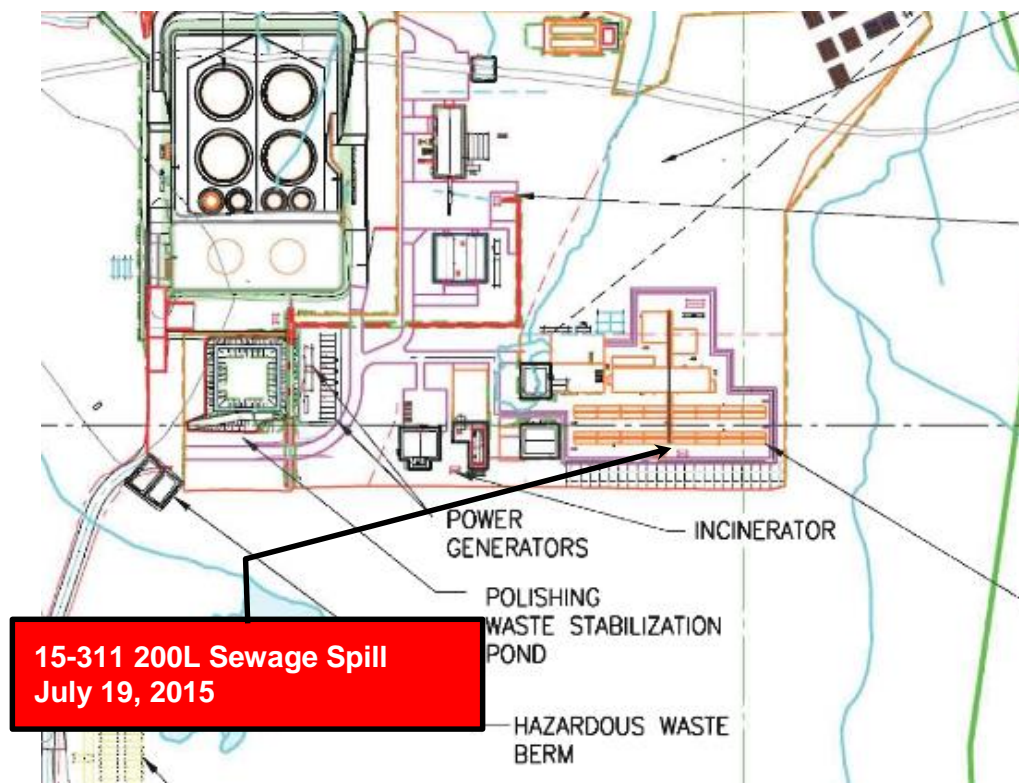


Figure 1 - Spill Location



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	REPORT TIME	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT. OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER	
	07-19-2015	21:30			
B	OCCURRENCE DATE: MONTH – DAY – YEAR	OCCURRENCE TIME			
	07-19-2015	09:15			
C	LAND USE PERMIT NUMBER (IF APPLICABLE)	WATER LICENCE NUMBER (IF APPLICABLE)			
	IOL - Commercial Lease No.: Q13C301	2AM-MRY1325 Type "A"			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION	REGION			
	Milne Port Main Lift Station	<input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN			
E	LATITUDE	LONGITUDE			
	DEGREES 71 MINUTES 53 SECONDS 02	DEGREES 80 MINUTES 53 SECONDS 11			
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		
	Sewage	Approx. 200 L	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		
	Main Lift Station	Float switch did not activate	Approx 10 m2		
K	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
	Spill partially under elect. cables	Vacuum Truck	N/A		
L	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS				
	On July 19, 2015 at 9:15 AM, during a routine inspection it was noticed that sewage was coming out of the door of the main lift station at the Milne Port accommodations complex. A vacuum truck was immediately used to pump out the tank and it was discovered that the float switch that engages the pump was impeded. Approximately 200L of raw sewage was discharged to the adjacent land surface and affected an area of roughly 10 m2. The location of the spill was on the camp pad and greater than 50 metres from the closest water body. The investigation is ongoing and further details of the incident as well as the details of the clean-up will be provided in a follow-up report.				
M	REPORTED TO SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLING FROM	TELEPHONE
	Trevor Myers	Enviro. Superintended	Baffinland	Mary River	(647)253-0596
N	ANY ALTERNATE CONTACT	POSITION	EMPLOYER	ALTERNATE CONTACT LOCATION	ALTERNATE TELEPHONE
	Jim Millard	Enviro. Manager	Baffinland	Off Site	(902)403-1337
REPORT LINE USE ONLY					
O	RECEIVED AT SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLED	REPORT LINE NUMBER
		STATION OPERATOR		YELLOWKNIFE, NT	(867) 920-8130
LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC			SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
AGENCY	CONTACT NAME		CONTACT TIME	REMARKS	
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					

PAGE 1 OF 1

Figure 2 – NT-NU Spill Report



September 1, 2015

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

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

Re: Follow-up to Spill #15-326, Reported on August 2, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On August 2, 2015 at 20:00, the housing maintainer discovered untreated sewage beside the North East MSC kitchen lift station between the kitchen and the AG wing. The lift station had been shut down for repairs to the discharge line but the plumbing had been continued to be used. Over a prolonged period of time the lift station had overflowed, releasing approximately 500 L of untreated sewage to the surrounding camp pad and impacting an area of approximately 25m². The majority of the spill is underneath the MSC kitchen wing. The location of the spill was greater than 200 meters from the nearest watercourse

Immediate and Follow-Up Action:

The worker immediately notified his Supervisor and the Environment Department. The vacuum truck was used to empty the lift station and remove any pooling sewage.

Recommendations:

The requirement for full lock out of any infrastructure undergoing repairs has been reiterated to all departments. Temperature changes, which cause the piping and fittings to expand and contract, promotes leaks and pipe failures. Ongoing routine inspection of the sewage lines are required to inspect for leaks and potential locations of failure. Currently, all of the sewage piping on the complex is currently in the process being replaced.

Current Status:

The coupling has been repaired and the sewage line is back in service. Regular inspections are conducted on the sewage lift stations and sewage lines to verify the system is working as designed.

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 "Allan Knight".

Allan Knight,
Environmental Superintendent

Reviewed by:

A handwritten signature in black ink, appearing to read "Trevor Myers".

Trevor Myers,
Environmental Superintendent

Attach: Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers, Nicolas Kuzyk, Lea Willemse (Baffinland), Robert Savard, Erik Allain, (AANDC), Manager of Licencing (NWB)

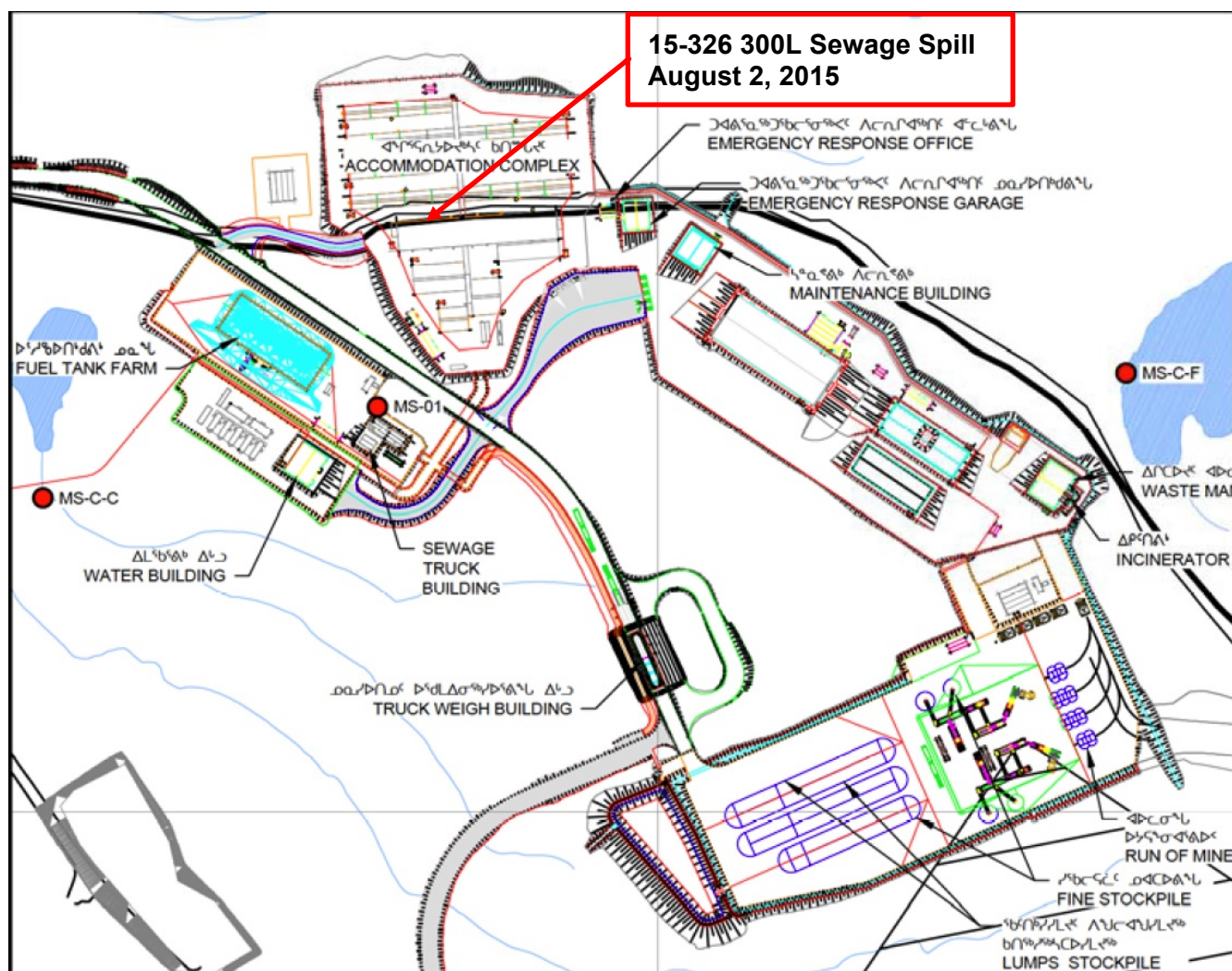


Figure 1 - Spill Location



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 August 2, 2015	REPORT TIME 20:00 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 - 326
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 53		LONGITUDE DEGREES 79 MINUTES 17 SECONDS 00	
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 NA	CONTRACTOR ADDRESS OR OFFICE LOCATION NA		
H	PRODUCT SPILLED Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 500 Litres	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 Lift Station	SPILL CAUSE Over flow	AREA OF CONTAMINATION IN SQUARE METRES 25 square meters	
J	FACTORS AFFECTING SPILL OR RECOVERY Underneath Accommodations	DESCRIBE ANY ASSISTANCE REQUIRED Vacuum Truck	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT NA	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS On August 2, 2015 at 20:00, the housing maintainer discovered untreated sewage beside the North East MSC kitchen lift station between the kitchen and the AG wing. Environment was immediately notified and the spill was investigated. A vacuum truck was requested to suck out the lift station and remove any pooling sewage. Upon further Investigation, the lift station had been shutdown for repairs to the discharge line but the plumbing had been continued to be used. Over a prolonged period of time the lift station had overflowed, releasing approximately 500 L of untreated sewage to the surrounding camp pad and impacting an area of approximately 25m². The majority of the spill is underneath the MSC kitchen wing. The location of the spill was greater than 200 meters from the nearest watercourse and further details of the incident will be provided in the spill follow up report.			
L	REPORTED TO SPILL LINE BY Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site
M	ANY ALTERNATE CONTACT Trevor Meyers	POSITION Env. Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT Off Site
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	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



September 6, 2015

Resource Management Officer
Nunavut Field Operations
Aboriginal Affairs and Northern Development Canada
Box 100
Iqaluit, NU X0A 0H0
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 #15-330, Reported on August 8th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On August 7, 2015 at 11:30 HRS, while backing up the water truck at the Mine Site Water Intake Jetty, the operator experienced brake failure and made contact with the water jetty sea-can causing a hydraulic line on the truck to rupture. The ruptured hydraulic line spilled approximately 20 L of hydraulic oil onto the water jetty and sprayed less than 1 litre onto the adjacent water surface.

Immediate and Follow-Up Action:

The operator immediately turned off the truck and notified the Environment Department. Booms and absorbent pads were deployed to capture and remove the sheen on the water surface. Contaminated soil and gravel on the water jetty was removed and placed in a Quatrex bag for future treatment at the Milne Port landfarm.

Recommendations:

Routine maintenance and daily pre-operation checks will continue to be conducted on all mobile equipment to ensure all mobile equipment is in good working order.

Current Status:

The brakes on the water truck have been repaired.

Should you require further information or clarification on the above noted spill, please feel free to contact the undersigned or Trevor Myers at (647) 253-0596 x6010.

Sincerely,

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

Allan Knight, B.Sc.
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Jim Millard, Trevor Myers, Jennifer St. Paul Butler (Baffinland), Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 – Spill Response – Capturing Sheen with Booms



Photo 2 – Spill Clean up



Photo 3 – Spill Cleanup – Contaminated Soil Removal on Jetty

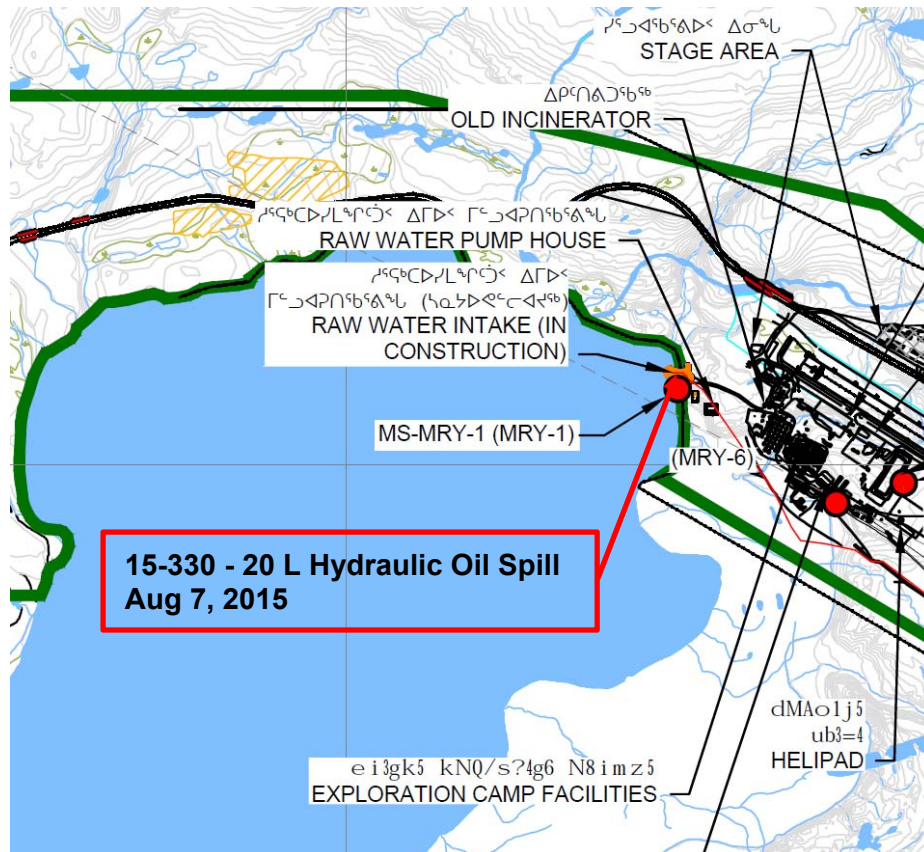


Figure 1 – Spill Location



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 type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 330	
	08-07-2015	15:00 HRS			
B	OCCURRENCE DATE: MONTH - DAY - YEAR	OCCURRENCE TIME			
	08-07-2015	11:30 HRS			
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 40	DEGREES 79 MINUTES 22 SECONDS 56			
F	RESPONSIBLE PARTY OR VESSEL NAME	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION			
	Baffinland Iron Mines Corp.	2275 Middle Road East, Sutie 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		
	Hydraulic Oil	20 L	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		
	Articulating Water Truck	Ruptured Hydraulic Line	1 m2		
K	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT		
	N/A	N/A	N/A		
L	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS				
	<p>On August 7, 2015 at 11:30 HRS, while backing up the water truck at the Mine Site water jetty, the operator experienced brake failure and made contact with the water jetty seacan causing a hydraulic line on the truck to rupture. The operator immediately turned off the truck and notified the Environment Department. The ruptured hydraulic line spilled approximately 20 L of hydraulic oil onto the water jetty and sprayed less than 1 liter onto the adjacent water surface. Booms and absorbent pads were deployed to capture the sheen on the water surface. Contaminated soil and gravel on the water jetty was removed and placed in a Quatrex bag for future treatment at the Landfarm.</p> <p>Further details will be provided in the follow-up report.</p>				
M	REPORTED TO SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLING FROM	TELEPHONE
	Allan Knight	Env. Superintendent	BIM	Mine Site	Ext. 6010
N	ANY ALTERNATE CONTACT	POSITION	EMPLOYER	ALTERNATE CONTACT LOCATION	ALTERNATE TELEPHONE
	Trevor Myers	Env. Superintendent	BIM	Off Site	Ext. 6010
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					

PAGE 1 OF

Figure 2 – NT-NU Spill Report



September 25, 2015

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

Acting Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0
Justin Buller jfbuller@qui.ca

Re: Follow-up to Spill #15-357, Reported on August 27th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On August 26, 2015 at 19:00, a release of untreated sewage was noticed from the force main discharging from the BC wing lift station at the Milne Port accommodation complex. Upon further investigation, it was determined that a coupling on the lift station discharge line had come apart causing the release. The sewage spill affected an area of approximately 5 square metres (m²) on the adjacent land surface and is estimated to be approximately 200 litres. The location of the spill was on the camp pad and was greater than 100 meters from the closest water body

Immediate and Follow-Up Action:

The lift station pumps were shut off, and the Housing Maintainer and the Environment Department were notified. The vacuum truck was used to empty the lift station and remove any pooling sewage.

Recommendations:

Temperature changes, which cause the piping and fittings to expand and contract, promotes leaks and pipe failures. Ongoing routine inspection of the sewage lines are required to inspect for leaks and potential locations of failure. Currently, all of the sewage piping on the complex is currently in the process of being replaced.

Current Status:

The discharge pipe has been repaired and the system is back in service.

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 "Bill Bowden".

William Bowden,
Environmental Coordinator

Reviewed by:

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

Allan Knight
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Oliver Curran, Bernard Laflamme, Bikash Paul, Tony Woodfine, Jim Millard, Trevor Myers, Nicolas Kuzyk, Lea Willemse, Andrew Vermeer, Bill Bowden (Baffinland), Scott Burgess, Erik Allain, (AANDC), Manager of Licencing (NWB)



PHOTO 1 – Discharge Pipe Spill



PHOTO 2 – Discharge Pipe Spill Clean-up

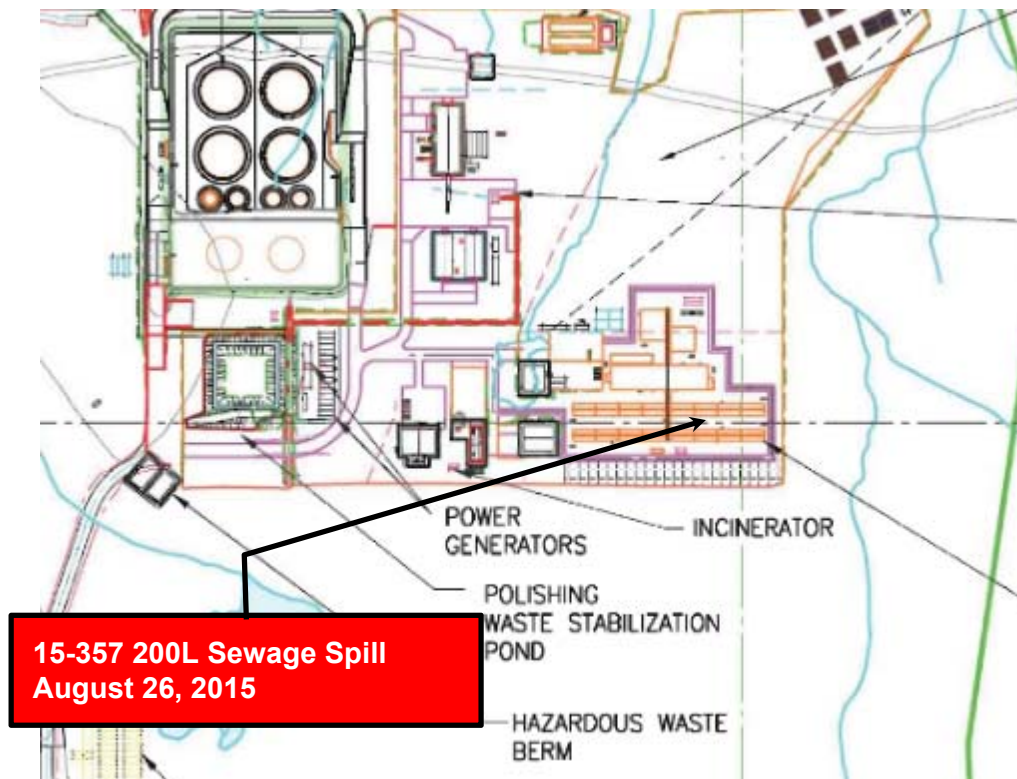


Figure 1 - Spill Location



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 August 27, 2015	REPORT TIME 07:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 357
B	OCCURRENCE DATE: MONTH – DAY – YEAR August 26, 2015	OCCURRENCE TIME 19:00			
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 02		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 09		
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 NA	CONTRACTOR ADDRESS OR OFFICE LOCATION NA			
H	PRODUCT SPILLED Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 200 litres	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 Sewer Line	SPILL CAUSE Broken Force Main	AREA OF CONTAMINATION IN SQUARE METRES 5 m2		
J	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT		
K	<p>ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS</p> <p>On August 26, 2015 at 19:00, a release of untreated sewage was noticed from the force main discharging from the BC wing lift station at the Milne Port accommodation complex. The lift station pumps were shut off. Upon initial investigation, a coupling on the lift station discharge line had come apart releasing approximately 200 L of untreated sewage to gravel ground below.</p> <p>The location of the spill was greater than 100 meters from any waterbody. Further details of the incident will be provided in the spill follow up report.</p>				
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Trevor Myers	POSITION Env. Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Off Site	ALTERNATE TELEPHONE 647-253-0596
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



October 5, 2015

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

Acting Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0
Justin Buller jfbuller@qia.ca

Re: Follow-up to Spill #15-370, Reported on September 7, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On September 6, 2015 at 21:00, a release of untreated sewage was noticed from the force main discharging from the main lift station at the Milne Port accommodation complex. Upon initial investigation, a coupling on the lift station discharge line had come apart releasing approximately 500 L of untreated sewage to the gravel surface under the line. The location of the spill was greater than 200 meters from any water body or watercourse.

Immediate and Follow-Up Action:

The lift station pumps were immediately turned off and personnel from the Maintenance and Environment Department were notified.

Recommendations:

Temperature changes, which cause the piping and fittings to expand and contract, promotes leaks and pipe failures. Ongoing routine inspection of the sewage lines are required to inspect for leaks and potential locations of failure.

Current Status:

The coupling has been repaired and the sewage line is back in service. Regular inspections are conducted on the sewage lift stations and sewage lines to verify the system is working as designed.

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 "Andrew Vermeer".

Andrew Vermeer,
Environmental Coordinator

Reviewed by:

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

Allan Knight
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Oliver Curran, Bernard Laflamme, Bikash Paul, Tony Woodfine, Jim Millard, Trevor Myers, Nicolas Kuzyk, Lea Willemse, Andrew Vermeer, Bill Bowden (Baffinland), Scott Burgess, Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 – Failed Joint (Insulation Removed)



Photo 2 – Repaired Joint

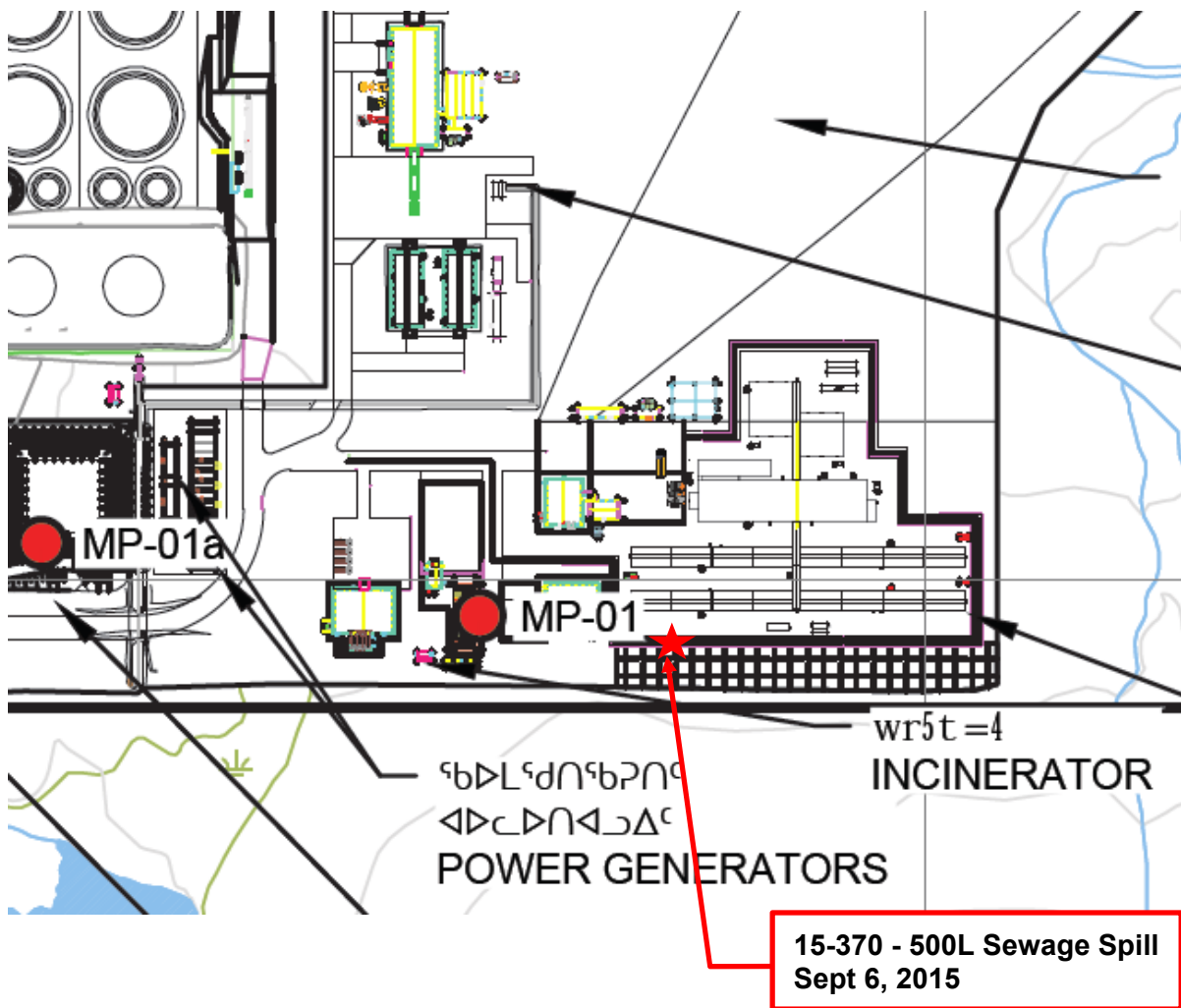


Figure 1 - Spill Location



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

A REPORT DATE: MONTH – DAY – YEAR September 7, 2015		REPORT TIME 10:00		<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # 15 370 TO THE ORIGINAL SPILL REPORT	
B OCCURRENCE DATE: MONTH – DAY – YEAR September 6, 2015		OCCURRENCE TIME 21:00			
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 01		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 NA		CONTRACTOR ADDRESS OR OFFICE LOCATION NA			
H PRODUCT SPILLED Sewage		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 500 litres		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 Sewer Line		SPILL CAUSE Broken Force Main		AREA OF CONTAMINATION IN SQUARE METRES 20 m2	
J FACTORS AFFECTING SPILL OR RECOVERY		DESCRIBE ANY ASSISTANCE REQUIRED		HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT	
K ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS On September 6, 2015 at 21:00, a release of untreated sewage was noticed from the force main discharging from the BB wing lift station at the Milne Port accommodation complex. The lift station pumps were shut off. Upon initial investigation, a coupling on the lift station discharge line had come apart releasing approximately 500 L of untreated sewage to gravel ground below. The location of the spill was greater than 200 meters from any water body. Further details of the incident will be provided in the spill follow up report.					
L REPORTED TO SPILL LINE BY Allan Knight		POSITION Env. Superintendent		EMPLOYER Baffinland	
		LOCATION CALLING FROM Mine Site		TELEPHONE 647-253-0596	
M ANY ALTERNATE CONTACT Trevor Myers		POSITION Env. Superintendent		EMPLOYER Baffinland	
		ALTERNATE CONTACT LOCATION Off Site		ALTERNATE TELEPHONE 647-253-0596	
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"/> 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					

PAGE 1 OF 1

Figure 2 – NT-NU Spill Report



October 12, 2015

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

Acting Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0
Justin Buller jfbuller@qui.ca

Re: Follow-up to Spill #15-378, Reported on September 13th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On September 13, 2015 at 08:30, a release of untreated sewage occurred after a sewage transfer truck reversed too far when filling the Milne Port waste water treatment plant. The lift station pumps were immediately shut off and spill containment was put in place while repair crews were arriving. The spill was subsequently cleaned up and the location of the spill was greater than 200 meters from any water body. The spill is estimated to be 150 liters and impacted an area of approximately 12m².

Immediate and Follow-Up Action:

The lift station pumps feeding the main line were shut off, a spill tray was placed under the broken line and the Housing Maintainer and the Environment Department were notified. The vacuum truck was used to empty the spill tray and remove any pooling sewage.

Recommendations:

Barricades should to be installed to prove wheel resistance/stoppage to reversing vehicle traffic in close proximity to the line.

Current Status:

Barricades are in place and supervisors are following up on awareness of the hazard with the operators. The discharge pipe has been repaired and the system is back in service.

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 blue ink, appearing to read "Dustin Kunkel".

Dustin Kunkel,
Acting Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "Trevor Myers".

Trevor Myers
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Bernard Laflamme, Erik Madsen, Bikash Paul, Tony Woodfine, Jim Millard, Allan Knight, Nicolas Kuzyk, Lea Willemse (Baffinland), Erik Allain, Scott Burgess (AANDC), Manager of Licencing (NWB)



PHOTO 1 – Discharge Pipe Spill



PHOTO 2/3 – Discharge Pipe Spill Clean-up and Berm Extension/Barricade

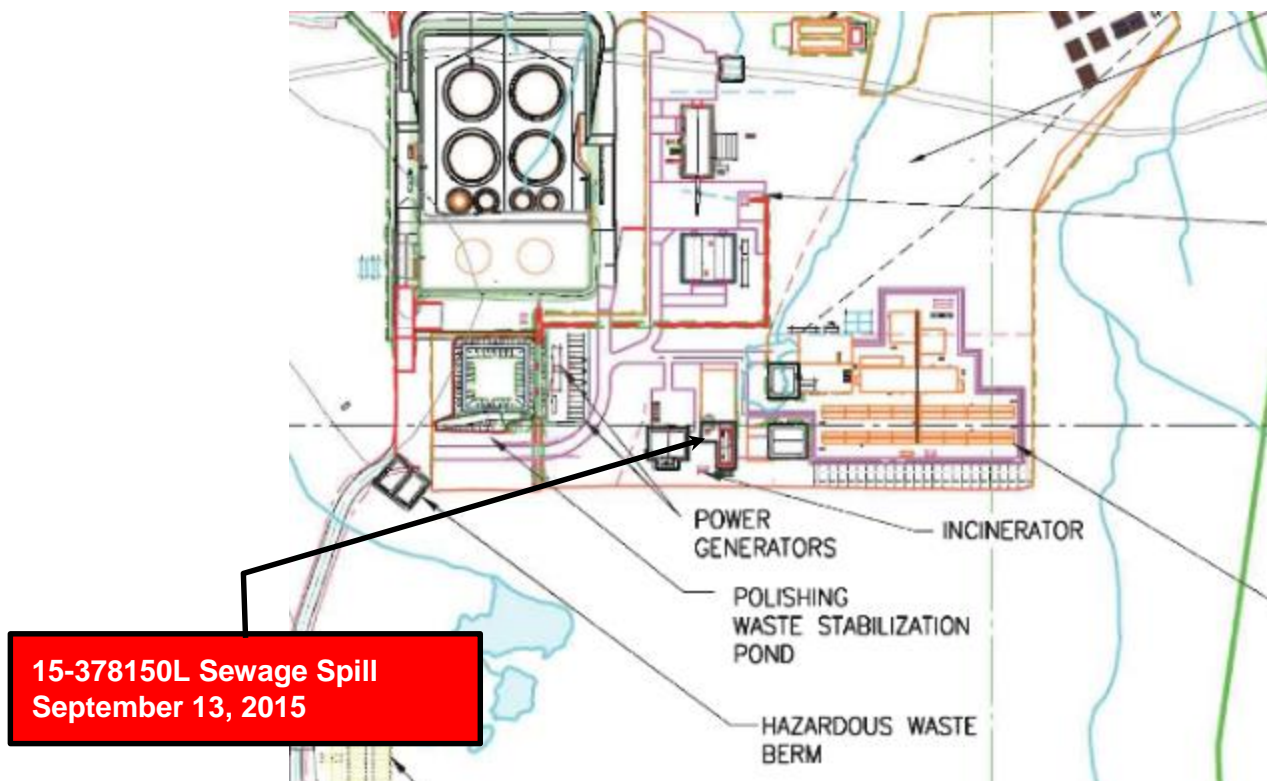


Figure 1 - Spill Location



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 September 13, 2015		REPORT TIME 20:45		<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 378
	OCCURRENCE DATE: MONTH – DAY – YEAR September 13, 2015		OCCURRENCE TIME 08:30			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301			WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"		
	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 02			LONGITUDE DEGREES 80 MINUTES 53 SECONDS 26		
	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		
	PRODUCT SPILLED Sewage			QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 150L		
H	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A			U.N. NUMBER N/A		
	SPILL SOURCE Sewer Line			SPILL CAUSE Broken Force Main		
I	FACTORS AFFECTING SPILL OR RECOVERY N/A			HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT N/A		
	DESCRIBE ANY ASSISTANCE REQUIRED N/A			AREA OF CONTAMINATION IN SQUARE METRES Approx. 12m2		
J	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS					
	<p>On September 13, 2015 at approximately 08:30, a release of untreated sewage occurred after a sewage transfer truck reversed to far when filling the Milne Port waster water treatment plant. The lift station pumps were shut off and spill containment was put in place while repair crews were arriving. The spill was subsequently cleaned up and the location of the spill was greater than 200 meters from the nearest water body. The spill is estimated to be 150 liters and impacted an area of approximately 12 m2. Currently, the investigation is ongoing and further details of the incident will be provided in the spill follow-up report.</p>					
L	REPORTED TO SPILL LINE BY Trevor Myers		POSITION Enviro Superintendent		EMPLOYER Baffinland	
	LOCATION CALLING FROM Mary River		TELEPHONE (647)253-0596			
M	ANY ALTERNATE CONTACT Jim Millard		POSITION Enviro Manager		EMPLOYER Baffinland	
	ALTERNATE CONTACT LOCATION 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"/> 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



October 20, 2015

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

Acting Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0
Justin Buller jfbuller@qia.ca

Re: Follow-up to Spill #15-399, Reported on September 21, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On September 21, 2015 at approximately 14:00 HRS, a release of approximately 500 liters of untreated sewage was discovered at the lift station located between the office and the kitchen of the Mine Site Complex. In investigating the spill, it was determined that the lift station pumps were not activated when the lift station filled up due to malfunctioning floats. The spill was cleaned up and the malfunctioning floats were replaced.

On September 24, 2015 at 16:00 HRS, a subsequent release of untreated sewage of approximately 1000 liters was observed at the same lift station. Upon investigating the spill, it was determined that the floats used to repair the lift station from the previously reported spill were not the correct floats and in turn did not trigger the lift station pumps to turn on when the lift station became full. The second spill was cleaned up and the proper floats were installed.

The location of the sewage spills was greater than 200 meters from the nearest water body.

Immediate and Follow-Up Action:

In the case of both spills, the lift station pumps were turned off, the lift station was locked out and a vacuum truck was used to empty the lift station of any remaining sewage. Pooled sewage from the spill was also removed with the vacuum truck.

Recommendations:

Routine inspections of the sewage lines and lift stations will continue to be done in order to ensure all components of the sewage system are working as designed.



Current Status:

The correct floats have been installed and the lift station is back in service. Both sewage spills have been cleaned up.

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 "Andrew Vermeer".

Andrew Vermeer,
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "Trevor Myers".

Trevor Myers, B.A.(Hon.), M.Sc.
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Oliver Curran, Bernard Laflamme, Bikash Paul, Tony Woodfine, Jim Millard, Trevor Myers, Nicolas Kuzyk, Lea Willemse, Andrew Vermeer, Bill Bowden (Baffinland), Scott Burgess, Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 – First Sewage Spill (Approx. 500 L)



Photo 2 – Second Sewage Spill (Approx. 1000 L)

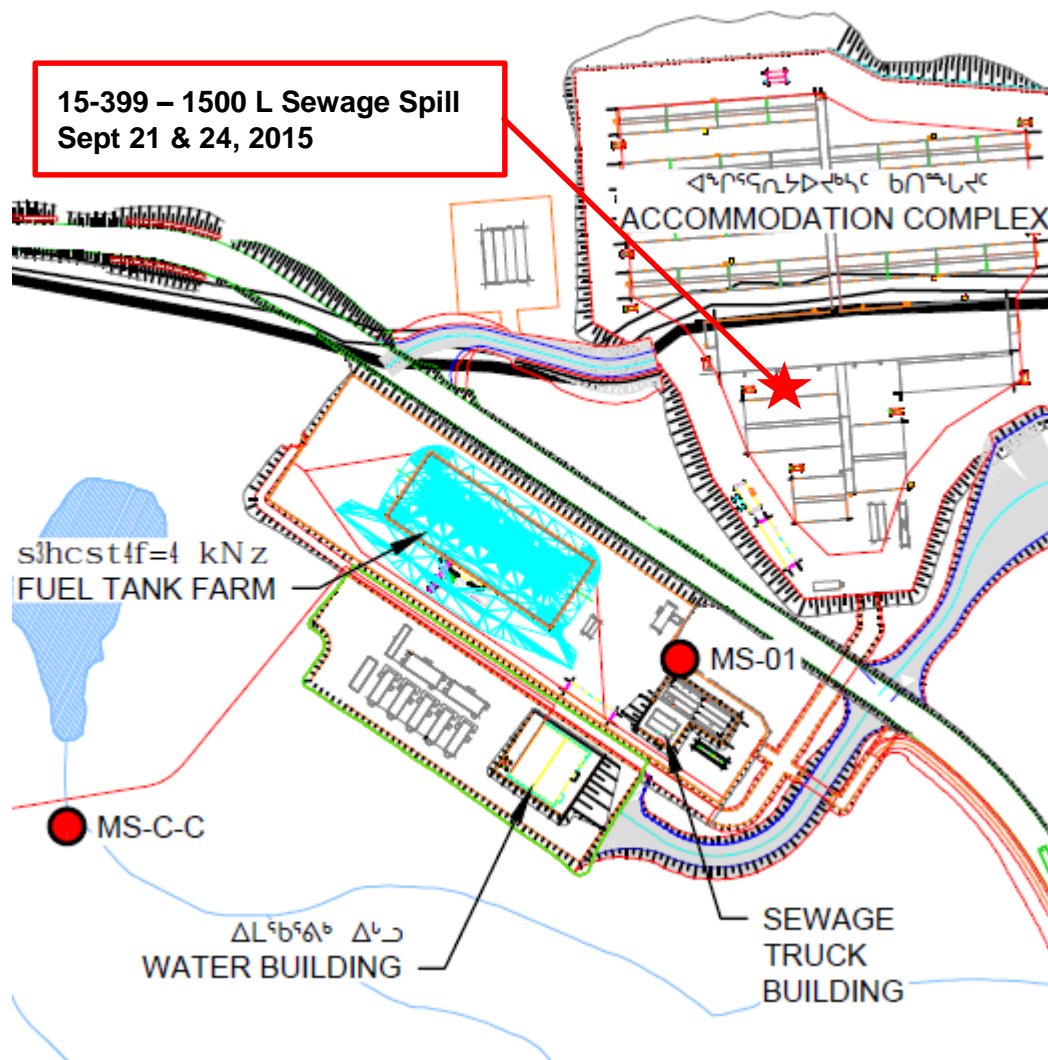


Figure 1 - Spill Location



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 September 22, 2015	REPORT TIME 13:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 399
B	OCCURRENCE DATE: MONTH – DAY – YEAR September 21, 2015	OCCURRENCE TIME 14:00			
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 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 Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 500 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 Sewage Lift Station	SPILL CAUSE Broken float switch	AREA OF CONTAMINATION IN SQUARE METRES Approx. 12m2		
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	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 On September 21, 2015 at approximately 14:00, a release of untreated sewage was observed at the lift station located between the office and kitchen complexes of the Mine Site Complex. The float switch malfunctioned and the lift station pumps were not activated causing the sewage to overflow onto the adjacent ground surface. A vacuum truck was called to remove the sewage from the station and was transported to the WWTP for processing. After the sewage level was lowered, the pump was shut off, and the float switch was repaired within one hour. The spilled sewage was accessible, removed using the vacuum truck, and taken for disposal. The location of the spill was greater than 200 meters from the nearest water body. The spill was estimated to be <500 litres and impacted an area of approximately 12 m2 in extent. The investigation is ongoing and further details of the incident will be provided in the spill follow-up report.				
L	REPORTED TO SPILL LINE BY James Millard	POSITION Enviro Manager	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE (647)253-0596
M	ANY ALTERNATE CONTACT Allan Knight	POSITION Enviro Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT 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 (First Spill)



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 September 25, 2015		REPORT TIME 16:00		<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input checked="" type="checkbox"/> UPDATE # 1 TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 - 399
	OCCURRENCE DATE: MONTH – DAY – YEAR September 24, 2015		OCCURRENCE TIME 16:00			
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 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 Sewage		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 1000 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 Sewage Lift Station		SPILL CAUSE Broken float switch		AREA OF CONTAMINATION IN SQUARE METRES Approx. 12m2	
J	FACTORS AFFECTING SPILL OR RECOVERY N/A		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 <p>A subsequent release of untreated sewage was observed at the lift station located between the office and kitchen complexes of the Mine Site Complex. This second overflow of approximately 1,000 L from the lift station occurred on September 24, 2015. The cause was determined to be the replacement floats from the previously reported spill were not correct and did not trigger the lift station pumps to turn on. A vacuum truck was called to remove the sewage from the station and was transported to the WWTP for processing. The spilled sewage was accessible, removed using the vacuum truck, and taken for disposal. These incorrect floats were replaced and the lift station put back in service.</p> <p>The location of the spill was greater than 200 meters from the nearest water body. The investigation is ongoing and further details of the incident will be provided in the spill follow-up report.</p>					
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Enviro Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE (647)253-0596	
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Enviro Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION 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"/> 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 3 – NT-NU Spill Report (Second Spill)



October 27, 2015

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

Acting Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0
Justin Buller jfbuller@qia.ca

Re: Follow-up to Spill #15-409, Reported on September 28, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On September 28, 2015 at 08:00, a release of untreated sewage was noticed below the discharge pipe originating from the lift station on the south side of the AG wing at the Mine Site Accommodations complex. The lift station pumps were shut off and a vacuum truck was called to remove the sewage from the lift station. During initial investigation, leaks were observed at various points along the insulated discharge pipe. The sewage spill affected an area of approximately 5 square meters on the adjacent land surface and is estimated to be approximately 200 litres. The location of the spill was greater than 200 meters from the nearest water body.

Immediate and Follow-Up Action:

The lift station pumps were immediately turned off and personnel from the Maintenance and Environment Department were notified. Upon further investigation it was determined that one coupling had failed on the discharge line, allowing sewage to migrate down gradient of the pipe and release through joints in the insulation material.

Recommendations:

Temperature changes, which cause the piping and fittings to expand and contract, promotes leaks and pipe failures. Ongoing routine inspection of the sewage lines are required to inspect for leaks and potential locations of failure.

Current Status:

The failed coupling was repaired and the sewage line put back in service. Regular inspections are conducted on the sewage lift stations and sewage lines to verify the system is working as designed.

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:

Reviewed by:

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

Bill Bowden,
Environmental Coordinator

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

Allan Knight
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Oliver Curran, Bernard Laflamme, Bikash Paul, Tony Woodfine, Jim Millard, Trevor Myers, Nicolas Kuzyk, Lea Willemse, Andrew Vermeer, Bill Bowden (Baffinland), Scott Burgess, Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 – Failed Joint



Photo 2 – Repaired Joint

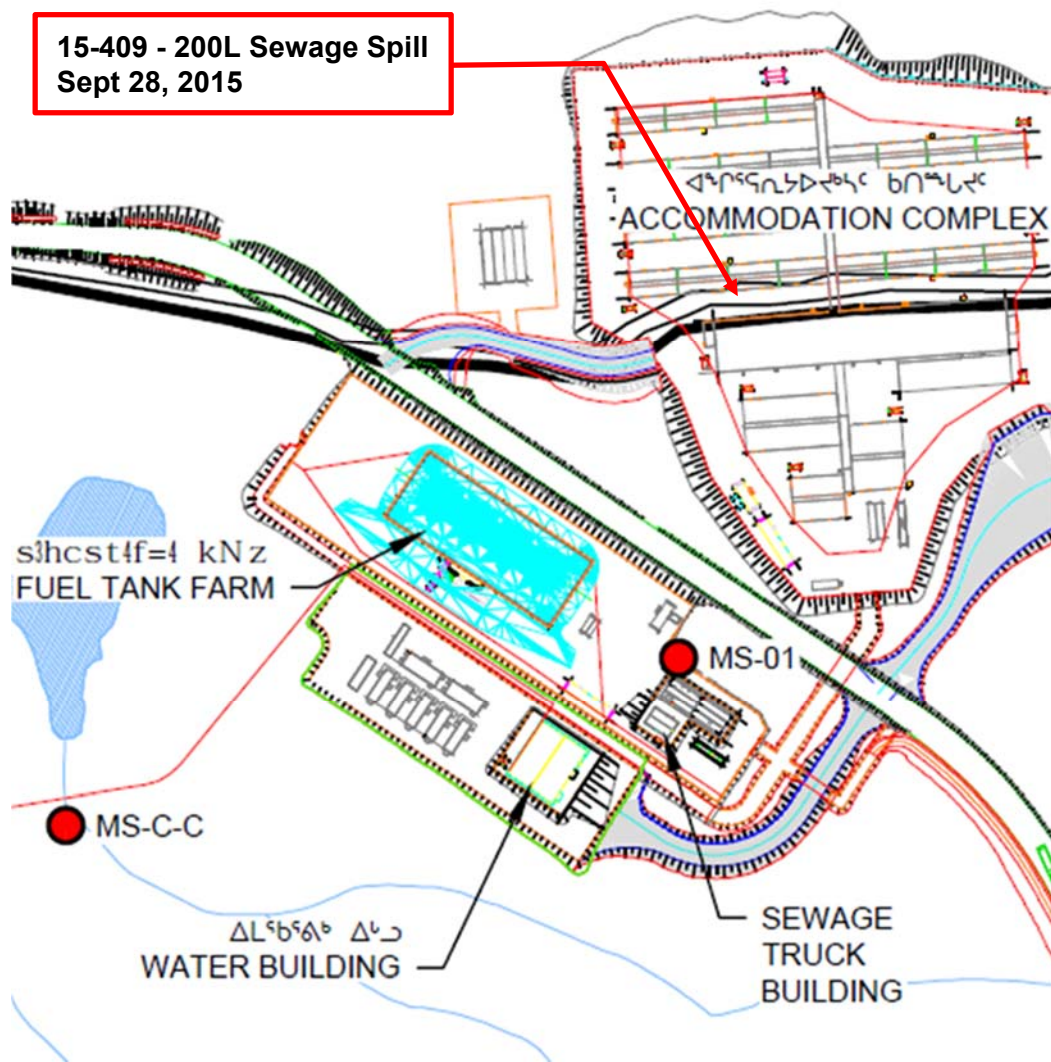


Figure 1 - Spill Location



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 September 28, 2015		REPORT TIME 8:00		<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 - 409
	OCCURRENCE DATE: MONTH - DAY - YEAR September 28, 2015		OCCURRENCE TIME unknown			
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 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 Sewage		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 Lift Station Discharge Pipe		SPILL CAUSE Coupling Failure		AREA OF CONTAMINATION IN SQUARE METRES Approx. 5m2	
J	FACTORS AFFECTING SPILL OR RECOVERY N/A		DESCRIBE ANY ASSISTANCE REQUIRED Vacuum Truck		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 On September 28, 2015 at approximately 8:00, a release of untreated sewage was noticed below the discharge pipe originating from the lift station on the west side of AG wing at the Mine Site Accommodations Complex. The housing maintainer notified the Environment department and the lift station pumps were shut off. A vacuum truck was called to remove the sewage from the lift station. During initial investigation, leaks were observed at various points along the insulated discharge pipe. The sewage spill affected an area of approximately 5 square meters on the adjacent land surface and is estimated to be approximately 200 litres. The location of the spill was greater than 200 meters from the nearest water body. The investigation is ongoing and further details of the incident will be provided in the spill follow-up report.					
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Enviro Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE (647)253-0596	
M	ANY ALTERNATE CONTACT Trevor Myers	POSITION Enviro Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Mary River	ALTERNATE TELEPHONE ext 6010	
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



November 3, 2015

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

Acting Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0
Justin Buller jfbuller@qia.ca

Re: Follow-up to Spill #15-417, Reported on October 5, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On October 4, 2015 at 16:30, a release of waste oil was discovered inside MP-HWP-1 hazardous waste storage berm during an inventory of the contents. A small puncture on the bottom of the tote released approximately 300L of oil onto the ground inside the berm as well as underneath other waste oil totes being stored in the berm, impacting an area of roughly 6 square metres. The location of the spill was approximately 50 metres from the ocean and inside an engineered lined secondary containment berm.

Immediate and Follow-Up Action:

The empty broken tote and four other waste oil totes which were inside the spill area were lifted with a skid steer and residual oil on the containers was wiped off with sorbent pads. The oil, snow, and soil in the area was shoveled into drums. Remaining residual contaminated soil will be cleaned up with shovels when warmer weather allows the soil to be removed without risking compromising the berm's liner integrity.

Recommendations:

Remind crews that depositing of waste in containment berms must be under the direction of the Fixed Plant Site Services Department only. Consideration being given to posting Authorized Personnel Only signs at these structures.

Current Status:

Crews are being reminded of proper waste disposal procedures at daily morning tool box meetings.

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 Ext.6010 or Jim Millard at (902) 403-1337.

Prepared By:

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

Allan Knight, B.Sc.
Environmental Superintendent

Reviewed by:

A handwritten signature in black ink, appearing to read "Trevor Myers".

Trevor Myers, B.A.(Hon.), M.Sc.
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Oliver Curran, Bernard Laflamme, Bikash Paul, Tony Woodfine, Jim Millard, Nicolas Kuzyk, Lea Willemse, Andrew Vermeer, Bill Bowden (Baffinland), Scott Burgess, Erik Allain, (AANDC)



Photo 1 – Waste Oil Spill



Photo 2 – Totes Removed and Cleanup Underway

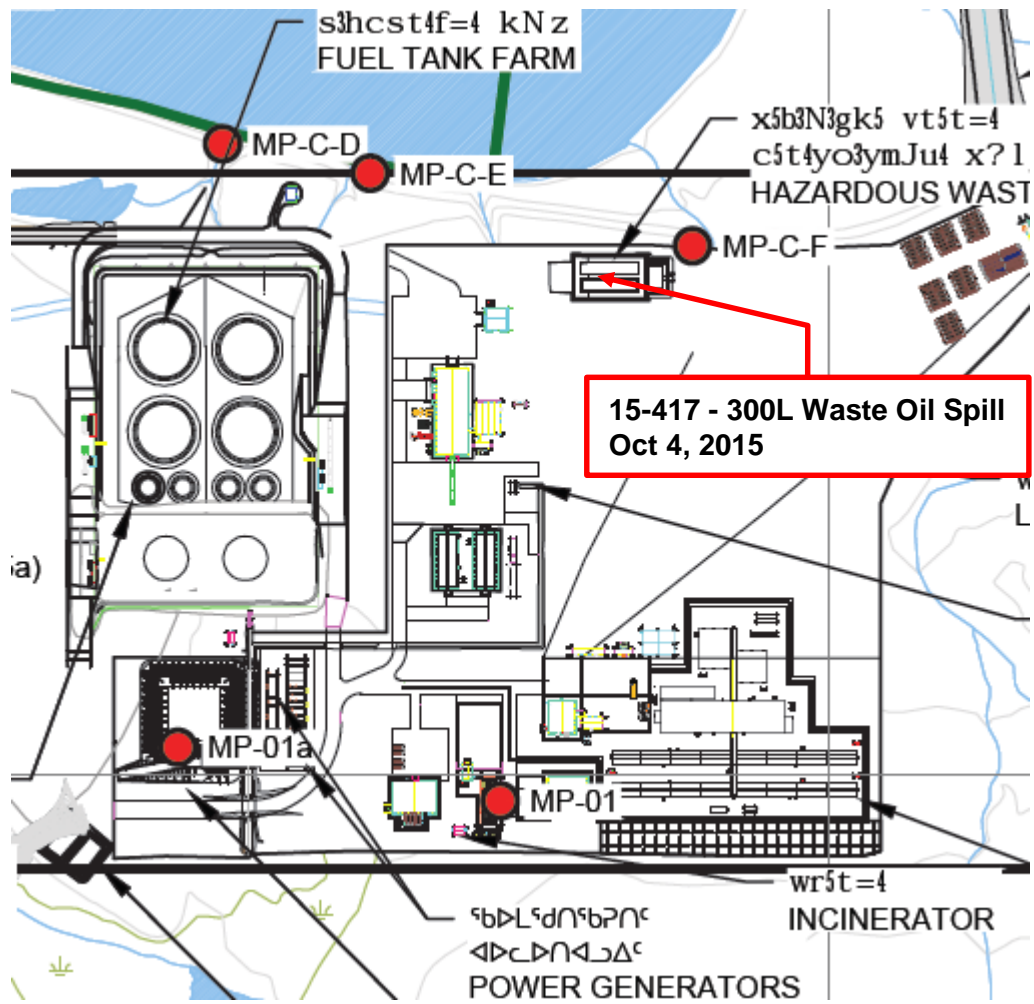


Figure 1 - Spill Location



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 October 5, 2015	REPORT TIME 07:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 417
	B	OCCURRENCE DATE: MONTH – DAY – YEAR October 4, 2015	OCCURRENCE TIME 16:30		
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 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 12		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 NA	CONTRACTOR ADDRESS OR OFFICE LOCATION NA			
H	PRODUCT SPILLED Waste Oil	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 300 litres	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 Broken Tote	SPILL CAUSE Damaged Tote	AREA OF CONTAMINATION IN SQUARE METRES 6 m2		
J	FACTORS AFFECTING SPILL OR RECOVERY Frozen Conditions	DESCRIBE ANY ASSISTANCE REQUIRED NA	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT NA		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS On October 4, 2015 at 16:30, a release of waste oil was discovered from a tote inside MP-HWP-1 hazardous waste storage berm during an inventory of the contents. The empty broken tote and four other waste oil totes which were inside the spill area were lifted with a skid steer and residual oil on the containers was wiped off with sorbent pads. The oil, snow, and soil in the the area was shoveled into drums. Remaining residual contaminated soil will be cleaned up with shovels when warmer weather allows the soil to be removed without risking compromising the berm's liner integrity. Upon initial investigation, a small puncture on the bottom of the tote released approx. 300L of oil onto the ground inside the containment berm underneath other waste oil totes. The location of the spill was approx. 50 meters from the ocean, inside a secondary containment berm. Further details of the incident will be provided in the spill follow up report.				
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Trevor Myers	POSITION Env. Superintendent	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Off Site	ALTERNATE TELEPHONE 647-253-0596
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



November 8, 2015

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

Acting Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0
Justin Buller jfbuller@qia.ca

Re: Follow-up to Spill #15-425, Reported on October 9, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On October 9, 2015 at 11:45 while driving down the Mine Site Haul Road, a boom truck operator observed that a portable tank on the boom truck containing aircraft de-icing fluid was leaking. Upon further investigation it was determined that the fitting on the portable tank had broken during transport, releasing approximately 300 L of aircraft de-icing fluid onto the road surface. The aircraft de-icing fluid, Cryotech Polar Plus® 63/37 Dilute, is classified as non-hazardous and readily biodegradable. The spill location (KM104) is greater than 100 meters away from the nearest waterbody, which was frozen at the time of the spill.

Immediate and Follow-Up Action:

The operator immediately stopped the truck and plugged the leak, preventing any additional fluid from spilling onto the ground. The shift supervisor as well as the Environment Department were notified immediately and spill pads were used to absorb the spilled fluid.

Recommendations:

Tank fittings should be regularly inspected for signs of fatigue from vibration. Also ensure that all straps are tightened prior to driving on rough surfaces to reduce the amount of possible movement during transport.

Current Status:

The fitting has been repaired.

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 Ext.6010 or Jim Millard at (902) 403-1337.

Prepared By:

A handwritten signature in black ink, appearing to read "Trevor Myers".

Trevor Myers, B.A.(Hon.), M.Sc.
Environmental Superintendent

Reviewed by:

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

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

Attach: Photos, Map, NT-NU Spill Report, Polar Plus® Fact Sheet and Polar Plus® MSDS.

cc. Erik Madsen, Oliver Curran, Bernard Laflamme, Bikash Paul, Tony Woodfine, Jim Millard, Nicolas Kuzyk, Lea Willemse, Andrew Vermeer, Bill Bowden (Baffinland), Scott Burgess, Erik Allain, (AANDC)



Photo 1 – De-icing Fluid Spill



Photo 2 – Broken Fitting

Figure 1 - Spill Location Map

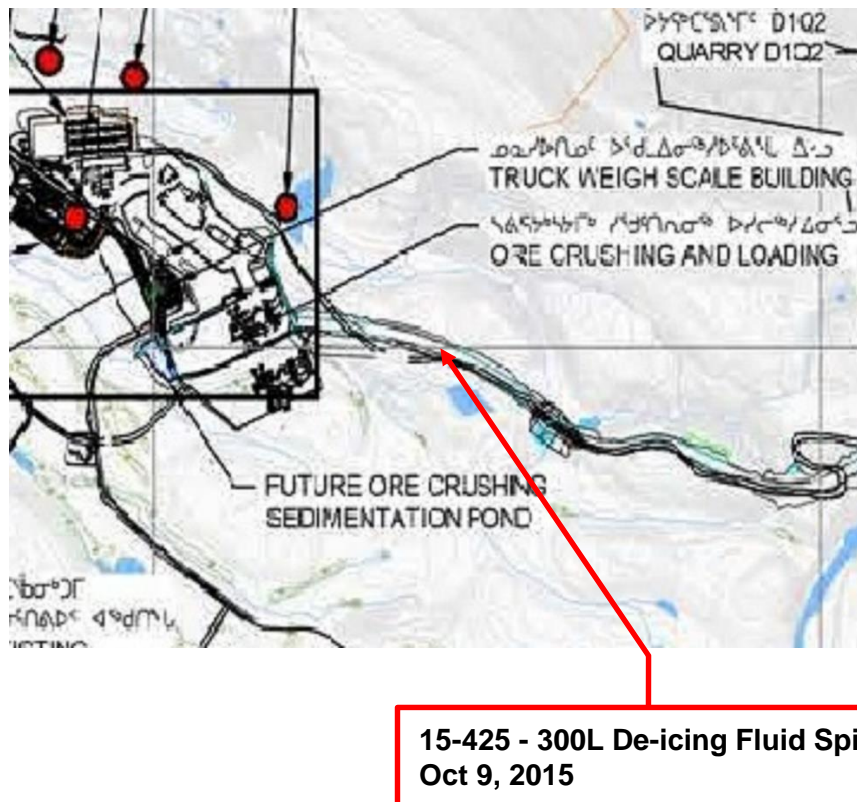


Figure 2 – NT-NU Spill Report



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 October 9, 2015	REPORT TIME 21:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 425
B	OCCURRENCE DATE: MONTH – DAY – YEAR October 9, 2015	OCCURRENCE TIME 11:45			
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 18 SECONDS 39		LONGITUDE DEGREES 79 MINUTES 15 SECONDS 35		
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 Aircraft De-icing Fluid	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 300 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 Portable Tank	SPILL CAUSE Damaged Bung on Tank	AREA OF CONTAMINATION IN SQUARE METRES 6 m2		
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	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 On October 9, 2015 at 11:45 while driving down the Mine Site Haul Road, a boom truck operator discovered that a portable tank on the boom truck containing aircraft de-icing fluid was leaking. The operator immediately stopped the truck and plugged the leak, preventing any additional fluid from spilling onto the ground. Upon further investigation it was determined that the bung on the portable tank had broke during transport, releasing approximately 300 L of aircraft de-icing fluid onto the road. The aircraft de-icing fluid, Cryotech Polar Plus 63/37 Dilute, is classified as non-hazardous and readily biodegradable. The spill location (km 104) is greater than 100 meters away from the nearest waterbody. The incident is currently under investigation and further details will be provided in the spill follow up report.				
L	REPORTED TO SPILL LINE BY Trevor Myers	POSITION Enviro Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Enviro Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION 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"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> CTC			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 3 – Polar Plus® Fact Sheet

POLAR PLUS®

Type I Aircraft Deicing/Anti-icing Fluid

AMS 1424 Certified



BENEFITS

- Certified propylene glycol based Type I aircraft deicing/anti-icing fluid
- Easy to apply with existing equipment
- Even dispersal for superior wetting
- Dilutes to required temperature for economical savings

PERFORMANCE

- Two year product warranty (original sealed container; stored within temperature storage limits)
- Exhibits a Lowest Operational Use Temperature (LOUT) of -25.6°F (-32°C) at a 63% Polar Plus/37% water dilution
- Exhibits a Lowest Operational Use Temperature (LOUT) of -10.0°F (-23.3°C) at a 55% Polar Plus/45% water dilution

ENVIRONMENT

- Triazole free
- Does not contain nonylphenol ethoxylate surfactants
- Aquatic Toxicity:

Aquatic Species	Test Duration Hours	LC50 Concentrate Fluid mg/L	Test Method
Pimephales promelas	96	6350	EPA 40CFR797.1400
Daphnia magna	48	6825	EPA 40CFR797.1300

- Readily biodegradable
- Classified as non-hazardous

HANDLING

- Avoid contact with skin and eyes
- Avoid breathing mists/vapors when spraying
- Keep in tightly sealed containers, away from direct heat, sunlight, and strong oxidizing agents
- Store away from extreme temperatures; below -50°F (-45°C) or above 140°F (60°C)
- Contact Cryotech for advice on bulk and/or heated storage

See Reverse Side For Product Specifications
Test Data Available Upon Request
ISO 9001:2008 & 14001:2004 CERTIFIED COMPANY

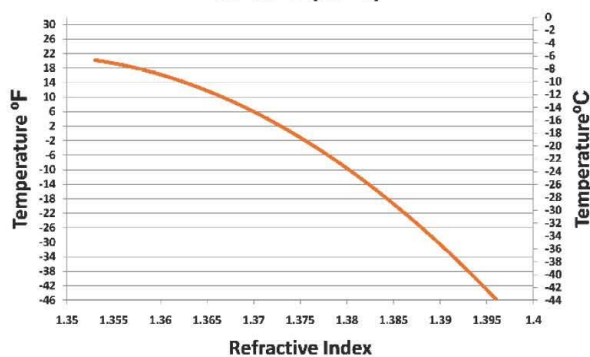


© 2011 Copyright Cryotech Deicing Technology

PRODUCT SPECIFICATIONS - POLAR PLUS®

COMPOSITION	Contains minimum 88% propylene glycol
APPEARANCE	Orange liquid
DENSITY	At 68°F (20°C) = 8.69 lbs/US gallon
VISCOSITY	Brookfield LVDV-1, Spindle No. LV1 @ 12rpm @ 68°F (20°C) = 25 cPs
FLASH POINT	Not lower than 212°F (100°C)
FREEZING POINT	100/0 = Below -76°F (-60°C) 50/50 = Not higher than -17.3°F (-27.4°C)
REFRACTIVE INDEX	At 68°F (20°C) = 1.4230 - 1.4260
BRIX	At 68°F (20°C) = 51.4 - 52.8
STORAGE STABILITY	2 years under normal storage conditions
TYPICAL pH	At 68°F (20°C) = 8.3 - 9.3
SPECIFIC GRAVITY	At 68°F (20°C) = 1.04
PACKAGING	55 gallon drums (208 liters) - 4 drum minimum 265 gallon tote (1003 liters) - 1 tote minimum Bulk - 5000 gallons minimum

**Freezing Point vs. Refractive Index
@ 68°F (20°C)**



TO ORDER OR FOR PRODUCT INFORMATION CONTACT:

Ph: +1 319.372.6012 or +1 800.346.7237 Fax: +1 319.372.2662

E-mail: deicers@cryotech.com

Cryotech Deicing Technology . 6103 Orthoway . Fort Madison, IA . 52627
WWW.CRYOTECH.COM



ISO 14001
EMS 89384



ISO 9001
FM 39092

Form #MKT1300 Rev. 08/04/2014

Figure 3 – Polar Plus® MSDS



CRYOTECH POLAR PLUS®
63/37 DILUTE
Type I Aircraft Deicing/Anti-icing Fluid
MATERIAL SAFETY DATA SHEET

<div>1. PRODUCT NAME & DESCRIPTION</div> <div>CRYOTECH POLAR PLUS® 63/37 DILUTE - Ready to Use (Consisting of 63% Polar Plus and 37% water) Type I Aircraft Deicing/Anti-icing Fluid Complies with Specification AMS 1424</div> <div>MANUFACTURED AND SUPPLIED IN THE USA BY: Cryotech Deicing Technology 6103 Orthoway Fort Madison, IA 52627 United States</div> <div>CRYOTECH CONTACT INFORMATION: Telephone: (800)346-7237 FAX: (319)372-2662 email: deicers@cryotech.com website: http://www.cryotech.com</div>	<div>5. FIRE FIGHTING MEASURES</div> <div>FLASH POINT (close cup): None below boiling point. AUTO IGNITION: 446°C EXPOSURE LIMITS: No data available. EXTINGUISHING MEDIA: Water, foam, Carbon Dioxide, dry powder. FIRE FIGHTING PROCEDURES: None HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion may produce Carbon Monoxide and other harmful gases/vapors. UNUSUAL FIRE HAZARDS: The product may become combustible after prolonged heating at the boiling point. NFPA RATINGS: Health 0; Flammability 1; Reactivity 0; Special NDA: (Least - 0, Slight - 1, Moderate - 2, High - 3, Extreme - 4) These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint Coating Association.</div>																		
<div>2. CHEMICAL COMPOSITION</div> <div>The percent compositions are given to allow for the various ranges of the components present in the whole product and may not equal 100%.</div> <table><thead><tr><th>PERCENT</th><th>COMPONENT</th><th>CAS#</th></tr></thead><tbody><tr><td>100%</td><td>Cryotech Polar Plus™ 63/37 Dilute Type I</td><td></td></tr><tr><td>CONTAINING</td><td></td><td></td></tr><tr><td>55%</td><td>Propylene Glycol</td><td>57-55-6</td></tr><tr><td><1%</td><td>Corrosion Inhibitors</td><td></td></tr><tr><td>45%</td><td>Water</td><td>7732-18-5</td></tr></tbody></table> <div>CAS - Chemical Abstract Service Number</div>	PERCENT	COMPONENT	CAS#	100%	Cryotech Polar Plus™ 63/37 Dilute Type I		CONTAINING			55%	Propylene Glycol	57-55-6	<1%	Corrosion Inhibitors		45%	Water	7732-18-5	<div>6. ACCIDENTAL RELEASE MEASURES</div> <div>Chemical Emergency: Spill, leak, fire, or accident call Chemtrec day or night (800)424-9300; Outside continental USA call (703)527-3887</div> <div>SPILL/LEAK PRECAUTIONS: Contain spillage and absorb on suitable material e.g. sawdust, sand or earth. Transfer to a container for disposal. See section 13. Wash the spillage area with plenty of water.</div>
PERCENT	COMPONENT	CAS#																	
100%	Cryotech Polar Plus™ 63/37 Dilute Type I																		
CONTAINING																			
55%	Propylene Glycol	57-55-6																	
<1%	Corrosion Inhibitors																		
45%	Water	7732-18-5																	
<div>3. HAZARD IDENTIFICATION (also see Sections 11 and 12)</div> <div>CAUTION! - MAY CAUSE EYE IRRITATION</div> <div>EYE CONTACT: This substance may be slightly irritating to the eyes. SKIN IRRITATION: This substance is not expected to cause prolonged or significant skin irritation. RESPIRATORY/INHALATION: This material does not present an inhalation hazard. INGESTION: If swallowed, this substance is considered practically non-toxic to internal organs.</div>	<div>7. HANDLING AND STORAGE</div> <div>STORAGE: Store in tightly sealed original containers, away from direct heat, sunlight and strong oxidizing agents. SPECIAL PRECAUTIONS: Avoid contact with skin and eyes. Avoid breathing mists/vapors when spraying. TEMPERATURE STORAGE LIMITS: Minimum -37°C (-34°F) Maximum 60°C (140°F)</div>																		
<div>4. FIRST AID MEASURES</div> <div>Chemical Emergency: Spill, leak, fire, or accident call Chemtrec day or night (800)424-9300; Outside continental USA call (703)527-3887</div> <div>EYE CONTACT: Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. No additional first aid should be necessary. However, if irritation persists, see a doctor. SKIN CONTACT: No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing. INHALATION: Since this material is not expected to be an immediate inhalation problem, no first aid procedures are required. INGESTION: If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make the person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.</div>	<div>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</div> <div>EYE PROTECTION: Wear eye protection if splashing is possible. SKIN PROTECTION: No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing. RESPIRATORY PROTECTION: No special respiratory protection is normally required. VENTILATION: No special ventilation is necessary.</div>																		



CRYOTECH POLAR PLUS®
63/37 DILUTE
Type I Aircraft Deicing/Anti-icing Fluid
MATERIAL SAFETY DATA SHEET

<div>9. PHYSICAL AND CHEMICAL PROPERTIES</div> <div><div>APPEARANCE:</div><div>Clear, orange fluid.</div><div>ODOR:</div><div>None</div><div>REFRACTIVE INDEX (20°C):</div><div>1.395 - 1.398</div><div>pH (20°C):</div><div>7.0 - 9.0</div><div>BOILING POINT:</div><div>~106°C</div><div>FLAMMABILITY DATA:</div><div>See Section 5.</div><div>VAPOR PRESSURE (20°C):</div><div>13 mm Hg</div><div>SPECIFIC GRAVITY (20°C):</div><div>1.041</div><div>VAPOR DENSITY (AIR = 1):</div><div>No data available.</div><div>FREEZING POINT:</div><div>-42.2°C (-44°F)</div><div>VISCOSITY (20°C):</div><div>8 cP</div><div>SOLUBILITY:</div><div>Completely miscible in water.</div></div>	<div>13. DISPOSAL CONSIDERATION</div> <div>Based on information available to Cryotech Deicing Technology, this product is neither listed as a hazardous waste nor does it exhibit any of the characteristics that would cause it to be classified or disposed of as an RCRA hazardous waste. If product should spill or be otherwise unsuitable for normal deicing applications, it may be absorbed on suitable materials and disposed of in sanitary landfill unless state or local regulations prohibit such disposal.</div>																			
<div>10. STABILITY & REACTIVITY</div> <div><div>HAZARDOUS DECOMPOSITION PRODUCTS:</div><div>None known.</div><div>STABILITY:</div><div>Stable</div><div>HAZARDOUS POLYMERIZATION:</div><div>Polymerization will not occur.</div><div>INCOMPATIBILITY:</div><div>May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.</div><div>SPECIAL PRECAUTIONS:</div><div>READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.</div><div>Store away from strong oxidizing materials.</div></div>	<div>14. TRANSPORT INFORMATION</div> <div>Not restricted under any transport regulations.</div>																			
<div>11. TOXICOLOGICAL INFORMATION</div> <div><div>Considered to have low oral toxicity.</div><div>See also section 3.</div><table><tr><td>LD₅₀</td><td>Rat - oral</td><td>>10g/Kg (estimated)</td></tr><tr><td>LC₅₀</td><td>Pimephales Promelas</td><td>6,350 mg/L (96h) undiluted</td></tr><tr><td>LC₅₀</td><td>Daphnia Magnia</td><td>6,825 mg/L (48h) undiluted</td></tr></table></div>	LD ₅₀	Rat - oral	>10g/Kg (estimated)	LC ₅₀	Pimephales Promelas	6,350 mg/L (96h) undiluted	LC ₅₀	Daphnia Magnia	6,825 mg/L (48h) undiluted	<div>15. REGULATORY INFORMATION</div> <div><div>ALL OF THE COMPONENTS IN THIS PRODUCT ARE ON THE FOLLOWING INVENTORY LISTS:</div><div>U.S.A. (TSCA), Europe (EINECS), Canada (DSL/NDSL).</div><div>TSCA SECTION 12(b):</div><div>None of the chemicals in this product are listed under TSCA Section 12(b).</div><div>OSHA HAZARD CLASSIFICATION:</div><div>Hazardous Chemical (Irritant);</div><div>None of the chemicals in this product are considered highly hazardous by OSHA.</div><div>CERCLA HAZARDOUS SUBSTANCES:</div><div>There is no CERCLA Reportable Quantity for this material.</div><div>SARA 311 CATEGORIES:</div><table><tr><td>Immediate (Acute) Health Hazard:</td><td>Yes</td></tr><tr><td>Delayed (Chronic) Health Hazard:</td><td>No</td></tr><tr><td>Fire Hazard:</td><td>Yes</td></tr><tr><td>Sudden Release of Pressure Hazard:</td><td>No</td></tr><tr><td>Reactivity Hazard:</td><td>No</td></tr></table><div>SARA 313:</div><div>None of the chemicals in this product are subject to reporting requirements under SARA Section 313.</div><div>CLEAN WATER ACT:</div><div>None of the chemicals in this product are listed as Priority Pollutants under the CWA.</div><div>None of the chemicals in this product are listed as Toxic Pollutants under the CWA.</div><div>STATE RIGHT-TO-KNOW:</div><div>This product does not contain materials listed on the specific Toxic or Hazardous Substance Lists of the following states: PA, MA, NJ. This product may contain a chemical known to the State of California (Proposition 65) to cause cancer: Propylene Oxide (CAS 75-56-9). This product may contain a chemical known to the State of California (Proposition 65) to cause cancer and/or reproductive harm: Ethylene Oxide (CAS 75-21-8).</div><div>WHMIS (Canada) CLASSIFICATION:</div><div>Not controlled</div></div>	Immediate (Acute) Health Hazard:	Yes	Delayed (Chronic) Health Hazard:	No	Fire Hazard:	Yes	Sudden Release of Pressure Hazard:	No	Reactivity Hazard:	No
LD ₅₀	Rat - oral	>10g/Kg (estimated)																		
LC ₅₀	Pimephales Promelas	6,350 mg/L (96h) undiluted																		
LC ₅₀	Daphnia Magnia	6,825 mg/L (48h) undiluted																		
Immediate (Acute) Health Hazard:	Yes																			
Delayed (Chronic) Health Hazard:	No																			
Fire Hazard:	Yes																			
Sudden Release of Pressure Hazard:	No																			
Reactivity Hazard:	No																			
<div>12. ECOLOGICAL INFORMATION</div> <div><div>COD (20°C):</div><div>0.99 kg O₂/kg fluid (calculated)</div><div>BOD₅ (20°C):</div><div>0.40 kg O₂/kg fluid (calculated)</div><div>5 day BOD/COD:</div><div>0.41 (calculated)</div></div>	<div>16. OTHER INFORMATION</div> <div><div>This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS.</div><div>Latest version of this MSDS can be obtained from Cryotech.</div></div>																			

The above information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, **Cryotech Deicing Technology, a Division of General Atomics International Services Corporation makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon.** Cryotech Deicing Technology, a Division of General Atomics International Services Corporation assumes no responsibility for any injury or loss resulting from the use of the product described herein. User should satisfy himself that he has all current data relevant to his particular use.

November 9, 2015

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

Acting Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0
Justin Buller jfbuller@qia.ca

Re: Follow-up to Spill #15-426, Reported on October 10, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On the night shift of October 8, 2015, an incident occurred at the Mine Site involving the release of sump water from the Maintenance Shop to a location immediately adjacent to the shop bay doors. As a result of a miscommunication, a worker opened the valve of a plastic tote containing water that had been collected from the floor sumps in the shop and the contents emptied on the ground. The sump water was reported to contain a small quantity of free floating product. Frozen ground conditions minimized soil infiltration and the water which was released pooled at the base of the ramp to the shop and froze. The approximate volume of the spill is conservatively 1000 litres and impacted an area of roughly 22 meters square. The location of the occurrence is approximately 300 metres from the nearest receiving waters, which are currently frozen.

Immediate and Follow-Up Action:

Upon receiving the report of the incident, an internal investigation into the cause was initiated. The results of the investigation determined that the incident occurred as a result of a miscommunication. The spill was subsequently cleaned up, with the frozen water being scraped up using a loader and brought to the contaminated snow dump at Milne Port. Material from the ramp was also removed using an excavator and brought to the landfarm at Milne Port.

Recommendations:

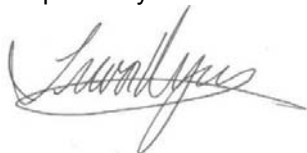
An SOP (Standard Operating Procedure) should to be developed to address this activity and to prevent future occurrences of this nature. Personnel involved with this task should be trained accordingly.

Current Status:

An SOP has been developed for this task and has been implemented. All personnel involved with this activity have been trained in accordance with the newly developed SOP.

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 Ext.6010 or Jim Millard at (902) 403-1337.

Prepared By:



Trevor Myers, B.A.(Hon.), M.Sc.
Environmental Superintendent

Reviewed by:



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

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Oliver Curran, Bernard Laflamme, Bikash Paul, Tony Woodfine, Jim Millard, Nicolas Kuzyk, Lea Willemse, Andrew Vermeer, Bill Bowden (Baffinland), Scott Burgess, Erik Allain, (AANDC)

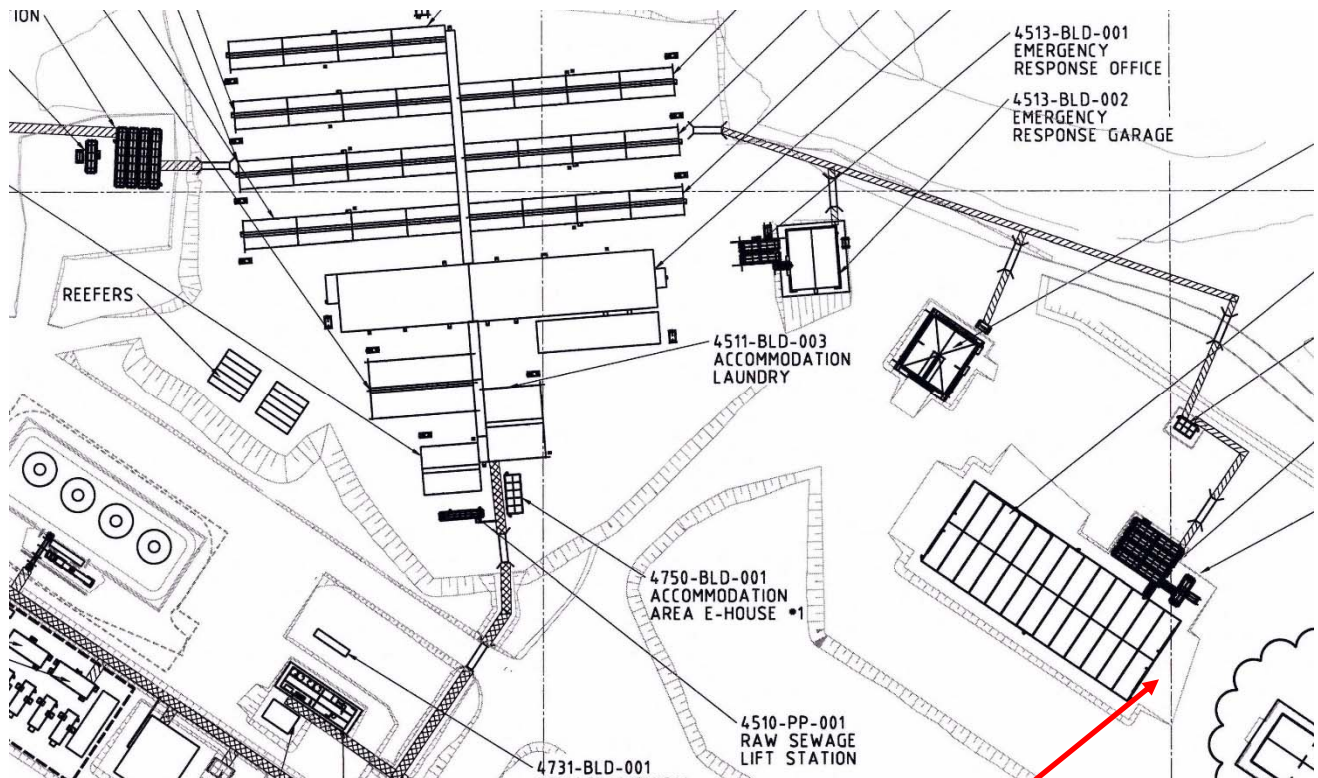


Photo 1 – Sump Water Spill



Photo 2 – Sump Water Spill

Figure 1 - Spill Location Map



**15-426 - 1000L Sump Water Spill
Oct. 10, 2015**

Figure 2 – NT-NU Spill Report



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 October 10, 2015	REPORT TIME 17:45	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 426
B	OCCURRENCE DATE: MONTH – DAY – YEAR October 8, 2015	OCCURRENCE TIME 03:00			
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 16 SECONDS 38		
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 Sump Water, Maintenance Shop		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 1000L	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 Plastic Containment Tote		SPILL CAUSE Under Investigation		AREA OF CONTAMINATION IN SQUARE METRES Approx. 22 m2
J	FACTORS AFFECTING SPILL OR RECOVERY Frozen Ground 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 the night shift of October 8, 2015, an incident occurred involving the release of sump water from the Maintenance Shop to a location immediately adjacent to the shop bay doors. Initial reports suggest that approximately 1000L of sump water was inadvertently discharged from a storage tote. The area of release is presently being cleaned-up. Frozen ground conditions have minimized any soil infiltration. Sampling of the sump water has been undertaken to assess sump water quality. Frozen conditions have eliminated the risk of impact to nearby water bodies; the location of the occurrence is roughly 300 metres from the nearest receiving waters. An investigation into the incident is currently underway and further details will be provided in the follow-up report.				
L	REPORTED TO SPILL LINE BY Trevor Myers	POSITION Enviro Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Enviro Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION 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"/> 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					



November 11, 2015

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

Acting Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0
Justin Buller jfbuller@qui.ca

Re: Follow-up to Spill #15-428, Reported on October 12th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On October 12, 2015, at approximately 13:30, a worker discovered that sewage was coming out of the door of the main lift station of the Milne Port Site Complex. Upon further inspection it was determined that the floats that trigger the lift stations pumps had failed to activate, causing the lift station to overflow. It is estimated that approximately 1300L of sewage was discharged to the ground surface adjacent to the lift station, impacting an area of roughly 16 m². Soil infiltration was minimized due to the frozen ground conditions. The location of the spill was on the camp pad and is greater than 100 metres from the closest water body, which is currently frozen.

Immediate and Follow-Up Action:

The worker immediately activated the float switch to drain the tank. A vacuum truck was used to clean up the pooled sewage on the ground. The floats were fixed and the lift station was back in service shortly after the incident.

Recommendations:

Routine inspections of the sewage lines and lift stations will continue to be done in order to ensure all components of the sewage system are working as designed.

Current Status:

The floats have been fixed and the main lift station is back in service.

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 "Andrew Vermeer".

Andrew Vermeer
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "Trevor Myers".

Trevor Myers
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Michael Anderson, Erik Madsen, Bikash Paul, Tony Woodfine, Jim Millard, Allan Knight, Nicolas Kuzyk, Lea Willemse (Baffinland), Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 – Sewage Spill



Photo 2 – Sewage Spill

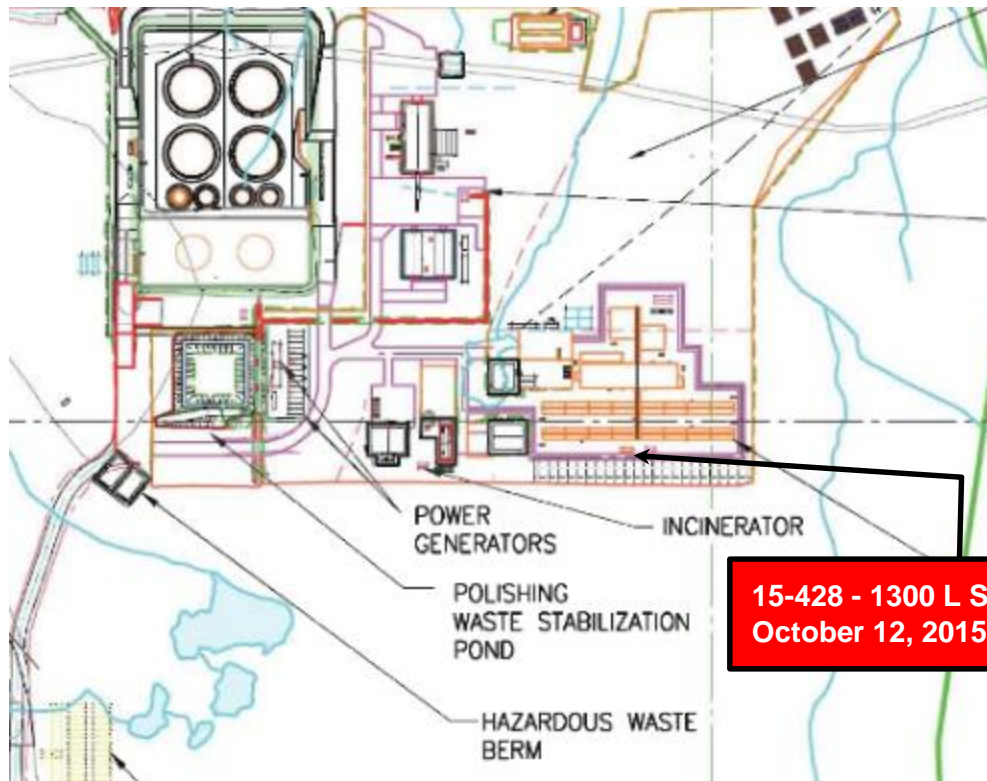


Figure 1 - Spill Location



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 10-13-2015	REPORT TIME 11:45	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 428
B	OCCURRENCE DATE: MONTH – DAY – YEAR 10-12-2015	OCCURRENCE TIME 13:30			
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 Milne Port Main Lift Station	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN			
E	LATITUDE DEGREES 71 MINUTES 53 SECONDS 02	LONGITUDE DEGREES 80 MINUTES 53 SECONDS 11			
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	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 1300 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 Main Lift Station	SPILL CAUSE Float did not activate	AREA OF CONTAMINATION IN SQUARE METRES 16 M/sq.		
J	FACTORS AFFECTING SPILL OR RECOVERY Spill partially under main camp	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 On October 12, 2015, at approximately 13:30, it was discovered that sewage was coming out of the door of the main lift station of the Milne Inlet Port Site Complex. The float switch was manually activated to drain the tank immediately. A vacuum truck was used to clean up the pooled sewage on the ground and soil infiltration was minimized by frozen ground conditions. It is estimated that approximately 1300L of sewage was discharged to the ground surface adjacent to the lift station and the impacted area of roughly 16 m ² . The location of the spill was on the camp pad and is greater than 100 metres from the closest water body, which is presently frozen. The investigation is ongoing and further details of the incident will be provided in a follow-up report.				
L	REPORTED TO SPILL LINE BY Trevor Myers	POSITION Enviro Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River, NU	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Enviro Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION 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"/> 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



November 15, 2015

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

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

Re: Follow-up to Spill #15-435, Reported on October 17, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On October 16, 2015 at approximately 08:30, a release of untreated sewage was observed at the lift station located between the office and kitchen complexes of the Mine Site Complex. Upon investigation, the lift station float switch malfunctioned and the pumps were not activated causing approximately 500 Litres of untreated sewage to overflow onto the adjacent ground surface and surrounding camp pad. An area of approximately 10m² was impacted. The location of the spill was greater than 200 meters from the nearest watercourse.

Immediate and Follow-Up Action:

Housing Maintenance and the Environment Department were immediately notified. The vacuum truck was used to empty the lift station and remove any pooling sewage. The pumps were shut off and the float switch was repaired.

Recommendations:

Ongoing routine inspection of the sewage lines and lift stations are required to inspect for leaks, malfunctions and potential locations of failure.

Current Status:

The lift station float switch has been repaired and is back in service. Regular inspections are conducted on the sewage lift stations and sewage lines to verify the system is working as designed.

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 "Bill Bowden".

William Bowden,
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "Trevor Myers".

Trevor Myers,
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Oliver Curran, Bernard Laflamme, Bikash Paul, Tony Woodfine, Jim Millard, Allan Knight, Nicolas Kuzyk, Lea Willemse, Andrew Vermeer, Bill Bowden (Baffinland), Scott Burgess, Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 – Lift Station Spill

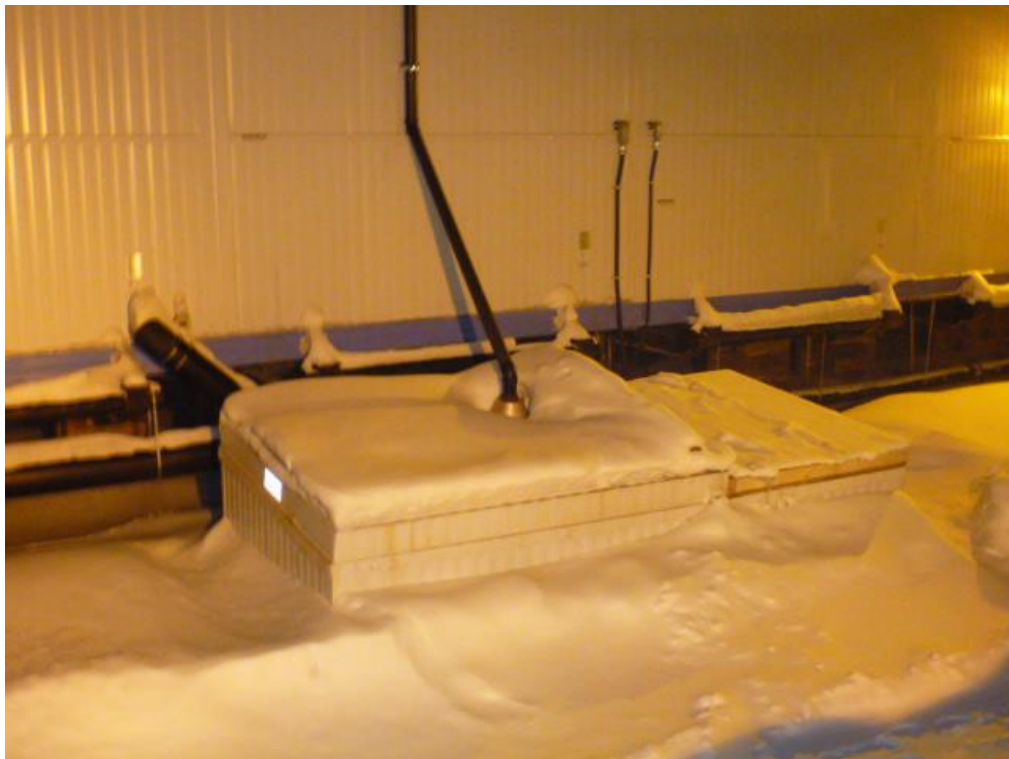


Photo 2 – Lift Station Spill Post Clean Up

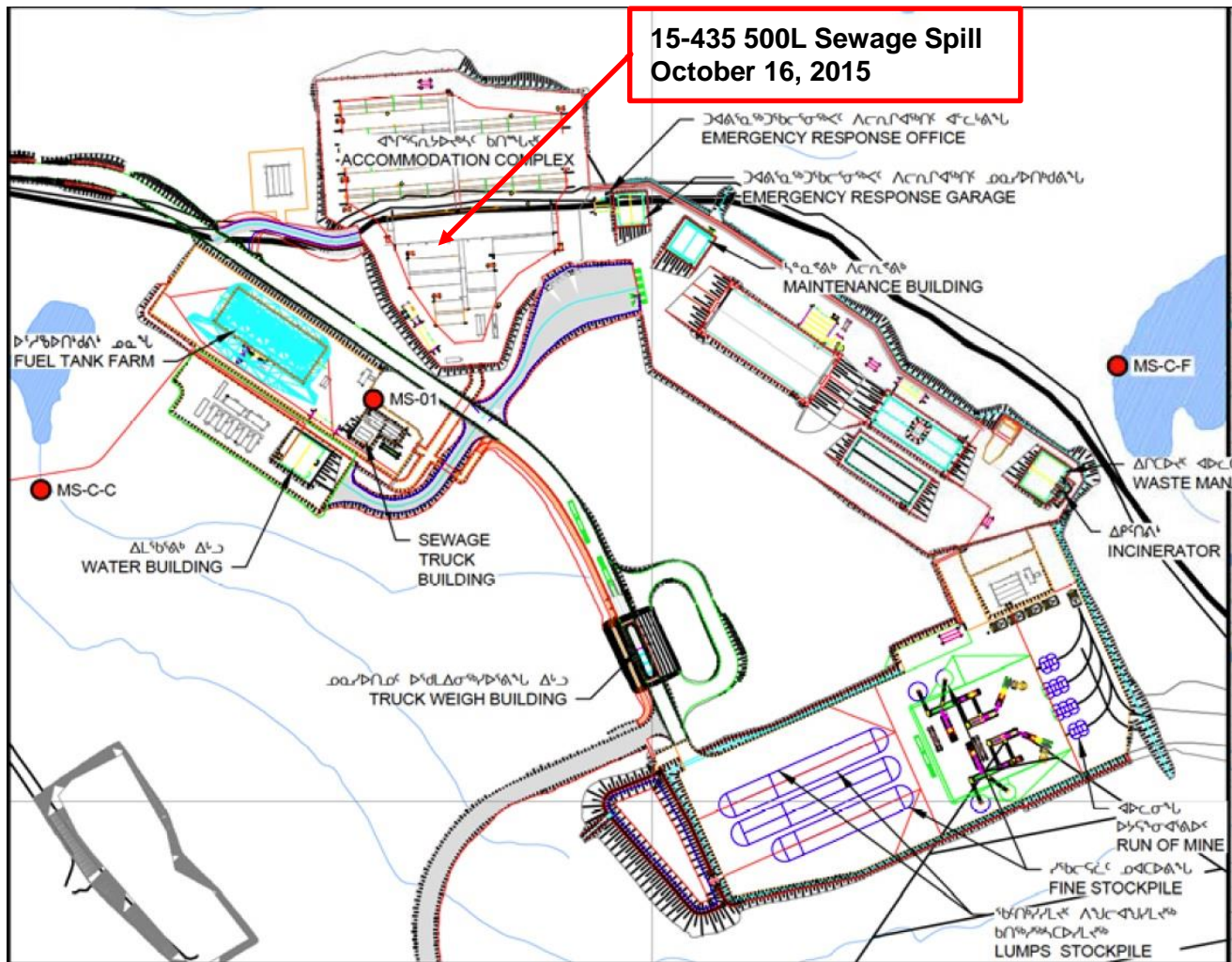


Figure 1 - Spill Location



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 October 17, 2015	REPORT TIME 07:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15-435
B	OCCURRENCE DATE: MONTH – DAY – YEAR October 16, 2015	OCCURRENCE TIME 08:30		
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 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 Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 500 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 Sewage Lift Station	SPILL CAUSE Broken float switch	AREA OF CONTAMINATION IN SQUARE METRES Approx. 10m2	
J	FACTORS AFFECTING SPILL OR RECOVERY Deep Snow, Limited Access	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 On October 16, 2015 at approximately 08:30, a release of untreated sewage was observed at the lift station located between the office and kitchen complexes of the Mine Site Complex. The float switch malfunctioned and the lift station pumps were not activated causing the sewage to overflow onto the adjacent ground surface. After the sewage level was lowered, the pump was shut off, and the float switch was repaired. The location of the spill was greater than 200 meters from the nearest water body. The spill was estimated to be approximately 500 liters and impacted an area of roughly 10 m2. The investigation is ongoing and further details of the incident will be provided in the spill follow-up report.			
L	REPORTED TO SPILL LINE BY Trevor Myers	POSITION Enviro Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River TELEPHONE (647)253-0596
M	ANY ALTERNATE CONTACT James Millard	POSITION Enviro Manager	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



November 20, 2015

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

Acting Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0
Justin Buller jfbuller@qia.ca

Re: Follow-up to Spill #15-441, Reported on October 21, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

A P-50 diesel fuel spill was discovered on Tuesday, October 20 at 1500 hrs at the Milne Port P-50 Fuel Dispensing Module by the Environmental Coordinator. At the time the source and volume of the spill could not be determined. The initial spill report provided an estimated volume of 200 L; however, after further investigation, it was determined that the volume released was between 300 to 600 L covering an area of 60 m² of which all was contained with engineered secondary containment.

The location of the spill was greater than 200 m from the nearest water body.

Immediate and Follow-Up Action:

Due to frozen ground conditions, the diesel fuel released remained on top of the ground surface, penetrating to a maximum depth of 1 cm. The contaminated surface soil was removed and disposed of at the Milne Port Landfarm Facility.

In response to the incident, Baffinland Management initiated an incident investigation.

Investigation Conclusions:

The investigation pointed to the following conclusions:

Evidence supports that the spill incident occurred between Monday morning, October 19, and Tuesday afternoon, October 20. The estimated volume of P-50 diesel spilled likely ranged from 300L to 600L. The likely source of the spill was the overfilling of a fuel lube truck. The unidentified Operator was not compliant with Baffinland's spill reporting procedures.

The likely causes of the spill included inconsistencies in the SOP for the task and difficulties in the use of the Scully Control System.

Recommendations:

The investigation identified the following recommendations:

- Improvements are required in the task-specific operator training for bulk re-fueling operations, especially in regard to the fuel lube trucks.
- Review and revise existing SOP in tandem with improvements in the training program development.
- Consideration be given to installing of video surveillance cameras at fuel dispensing modules.
- Conduct training refreshers targeted towards Supervisors on the importance of timely reporting of all spills as per Baffinland's spill reporting procedures.

Current Status:

The above recommendations are currently being implemented by various departments with the support of the Environment Department and Senior Management.

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:



Lea Willemse,
Environmental Coordinator

Reviewed by:



Allan Knight
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Oliver Curran, Bernard Laflamme, Bikash Paul, Tony Woodfine, Jim Millard, Trevor Myers, Nicolas Kuzyk, Andrew Vermeer, Bill Bowden (Baffinland), Scott Burgess, Erik Allain, (AANDC), Manager of Licencing (NWB)



Figure 1 - Impact of Spill Area (facing south)



Figure 2 - Impact of Spill Area (facing north)



Figure 3 – Review of Re-fueling Procedure following Clean Up



Figure 4 – Review of Re-fueling Procedure following Clean Up

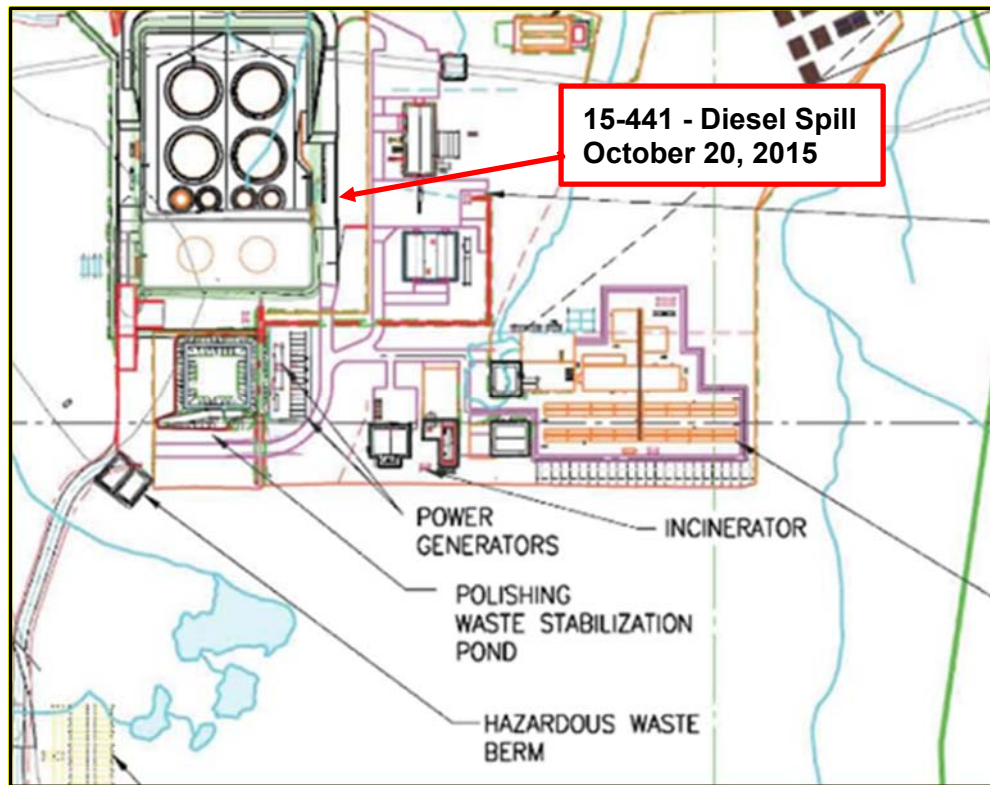


Figure 5 - Spill Location



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 October 21, 2015	REPORT TIME 11:00 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 441
B	OCCURRENCE DATE: MONTH – DAY – YEAR October 20, 2015	OCCURRENCE TIME 15:00 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 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 04		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 09		
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 P-50 Arctic Diesel	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 Fuel Module	SPILL CAUSE Under Investigation	AREA OF CONTAMINATION IN SQUARE METRES Approx 20 M/sq.		
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 15:00 on October 20, 2015, a worker reported a P-50 diesel spill at the Milne Port refueling area and immediately notified the Environment Department. It is estimated that approximately 200 litres of diesel was released within the lined refueling area (engineered secondary containment) and affected an area of approximately 20 square meters. It is suspected that the spill was caused by an overflow during equipment refueling. The spill has been cleaned up however the investigation is still ongoing and further details will be provided in the follow-up report.				
L	REPORTED TO SPILL LINE BY Trevor Myers	POSITION Enviro Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE 647-253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Enviro Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Mary River	ALTERNATE TELEPHONE Ext. 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 6 - NT-NU Spill Report



November 24, 2015

Resource Management Officer
Nunavut Field Operations
Aboriginal Affairs and Northern Development Canada
Box 100
Iqaluit, NU X0A 0H0
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 #15-444, Reported on October 25, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On October 25, 2015 at approximately 09:00, a release of untreated sewage was discovered at the south AB lift station located between the AB and AD wings of the Mine Site Complex. Upon investigation, it was determined that a blockage on the main sewage line had formed from cold temperatures overwhelming the heat trace settings. This caused a backup of sewage at the lift station which overflowed onto the adjacent ground surface. Approximately 2000 Litres of untreated sewage overflowed onto the adjacent ground surface and surrounding camp pad. An area of approximately 50m² was impacted. The location of the spill was greater than 150 meters from the nearest watercourse.

Immediate and Follow-Up Action:

Housing Maintenance and the Environment Department were immediately notified. The vacuum truck was used to empty the lift station and remove any pooling sewage. The heat trace settings were increased and the blockage unthawed.

Recommendations:

Ongoing routine inspection of the sewage lines and lift stations are required to inspect for leaks, malfunctions and potential locations of failure. Heat trace settings should be monitored to ensure they are sufficient.

Current Status:

The lift station is back in service and the main sewage line is working order. Regular inspections are conducted on the sewage lift stations and sewage lines to verify the system is working as designed.

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 "Bill Bowden".

William Bowden,
Environmental Coordinator

Reviewed by:

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

Allan Knight,
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Oliver Curran, Bernard Laflamme, Bikash Paul, Tony Woodfine, Jim Millard, Trevor Myers, Lea Willemse, Andrew Vermeer, Bill Bowden, Jennifer St. Paul-Butler (Baffinland), Scott Burgess, Erik Allain, (AANDC), Manager of Licencing (NWB)



Photo 1 – Lift Station Spill



Photo 2 – Lift Station Spill Post Clean Up

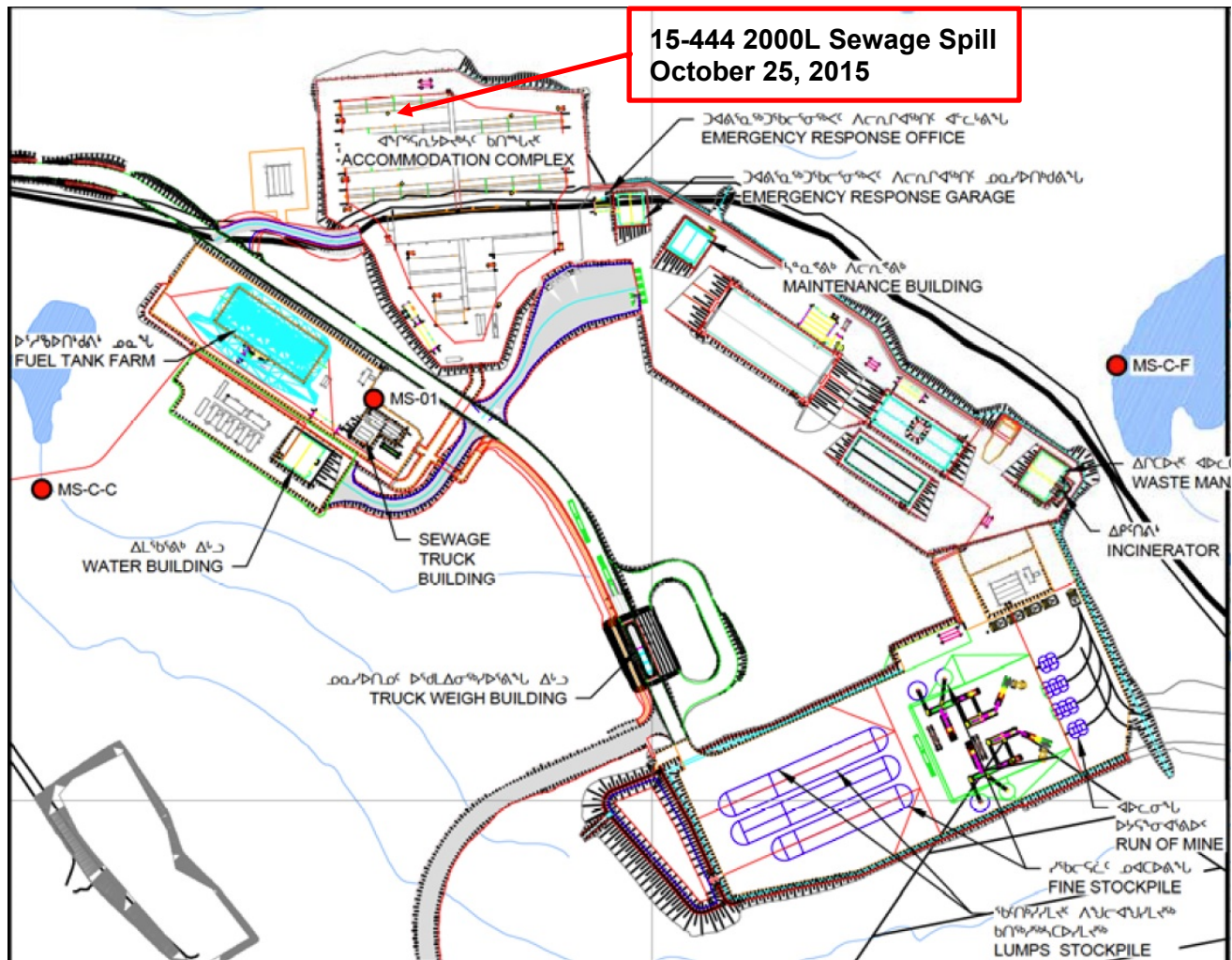


Figure 1 - Spill Location



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 October 25, 2015	REPORT TIME 09:00	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 - 444
B	OCCURRENCE DATE: MONTH – DAY – YEAR October 25, 2015	OCCURRENCE TIME unknown		
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 55		LONGITUDE DEGREES 79 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 Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 2000 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 Sewage Lift Station	SPILL CAUSE Blocked sewage line	AREA OF CONTAMINATION IN SQUARE METRES Approx. 50m2	
J	FACTORS AFFECTING SPILL OR RECOVERY Deep Snow, Limited Access	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 On October 25, 2015 at approximately 09:00, a release of untreated sewage was discovered at the South AB lift station located between the AB and AD wings of the Mine Site Complex. The Environment Department and Housing Maintenance were immediately notified, and the lift station pumps were shut off. A vacuum truck was called to remove the sewage from the lift station and affected area. Upon initial investigation, it is suspected that a blockage on the main sewage line is causing a backup of sewage at the lift station which overflowed onto the adjacent ground surface. The location of the spill was greater than 150 meters from the nearest water body. The spill was estimated to be approximately 2000 liters and impacted an area of roughly 50 m2. The investigation is ongoing and further details of the incident will be provided in the spill follow-up report.			
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Enviro Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River
M	ANY ALTERNATE CONTACT James Millard	POSITION Enviro Manager	EMPLOYER Baffinland	ALTERNATE CONTACT Mary River LOCATION
ALTERNATE TELEPHONE Ext. 6016				
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"/> 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	
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



November 24, 2015

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

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

Re: Follow-up to Spill #15-446, Reported on October 26, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On October 25, 2015 at 15:00, a release of untreated sewage was observed from the force main pipeline which discharges from the Milne Port Site Complex to the Waste Water Treatment Plant (WWTP). Upon initial investigation, sewage was released from a separated coupling in the pipeline intermittently when the main lift station pump was engaged and sewage was actively flowing to the WWTP. The spill is estimated to be 500L and impacted an area of 5 m². The location of the spill was greater than 250 meters from the nearest water body.

Immediate and Follow-Up Action:

Immediate repairs to the pipeline to prevent further release and subsequent removal of the frozen sewage will be completed at a later date. Access to the area is currently restricted due to the immediate risk of damaging the pipeline during excavation of the frozen sewage under the pipeline.

Recommendations:

Routine inspections of the sewage lines and lift stations will continue to ensure all components of the sewage system (lift stations and pipelines) are working as designed.

Current Status:


The separated coupling has been repaired. The pipeline will continue to be inspected as per routine procedure to ensure proper functioning of the system.

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:


Lea Willemse
Environmental Coordinator

Reviewed by:


Allan Knight
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Oliver Curran, Bernard Laflamme, Bikash Paul, Tony Woodfine, Jim Millard, Trevor Myers, Lea Willemse, Andrew Vermeer, Bill Bowden, Jennifer St. Paul-Butler (Baffinland), Scott Burgess (AANDC), Erik Allain, (AANDC), Manager of Licencing (NWB).



Photo 1 – Sewage Spill



Photo 2 – Sewage Spill

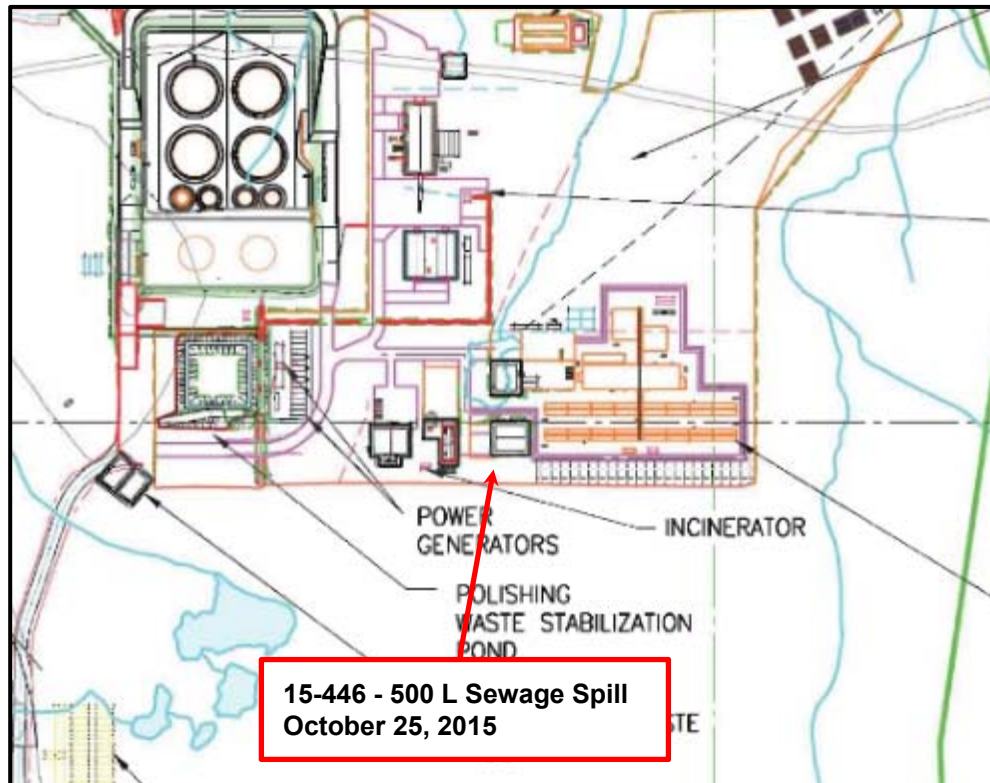


Figure 1 - Spill Location



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 10-26-2015	REPORT TIME 07:30	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 - 446
B	OCCURRENCE DATE: MONTH – DAY – YEAR 10-25-2015	OCCURRENCE TIME 15:00		
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 53 SECONDS 00		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 21	
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 NA	CONTRACTOR ADDRESS OR OFFICE LOCATION NA		
H	PRODUCT SPILLED Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx. 500 litres	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 Sewer Line	SPILL CAUSE Broken Force Main	AREA OF CONTAMINATION IN SQUARE METRES 5 m2	
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	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 On October 25, 2015 at 15:00, a release of untreated sewage was observed from the force main pipeline which discharges from the Milne Port Site Complex to the Waste Water Treatment Plant (WWTP). Upon initial investigation, sewage was released from a separated coupling in the pipeline intermittently when the main lift station pump was engaged and sewage was actively flowing to the WWTP. The spill is estimated to be 500L and impacted an area of 5 m2. Repairs to the pipeline and subsequent removal of the frozen sewage for proper disposal have been completed. The location of the spill was greater than 250 meters from the nearest water body. Further details of the incident will be provided in the spill follow up report.			
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT Mine Site
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	
AGENCY			FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED	
CONTACT NAME			REMARKS	
LEAD AGENCY				
FIRST SUPPORT AGENCY				
SECOND SUPPORT AGENCY				
THIRD SUPPORT AGENCY				

PAGE 1 OF 1

Figure 2 – NT-NU Spill Report



November 29, 2015

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

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

Re: Follow-up to Spill #15-449, Reported on October 30, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 17:30 HRS on October 30, 2015, while working on the force main around the Milne Port Camp main lift station a worker discovered that the main lift station was leaking sewage. Upon inspection, it was determined that the lift station tank was cracked causing approximately 250L of sewage to spill onto the adjacent ground, affecting an area of approximately 10 m². The location of the spill was on the Milne Port camp pad and is greater than 100 metres from the closest water body.

Immediate and Follow-Up Action:

The worker immediately triggered the lift station pumps and drained the tank. The lift station pump floats have been lowered in the tank to prevent sewage from reaching the height of the crack.

Recommendations:

The maintenance department is considering repairing or replacing the tank.

Current Status:

Currently, consideration is being made into purchasing a new tank. The lift station will continue to be inspected as per routine procedure to ensure proper functioning of the system.

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.

A handwritten signature in black ink that reads "Allan Knight".

Allan Knight, B.Sc.
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Oliver Curran, Bernard Laflamme, Bikash Paul, Tony Woodfine, Jim Millard, Trevor Myers, Lea Willemse, Andrew Vermeer, Bill Bowden, Jennifer St. Paul-Butler (Baffinland), Scott Burgess (AANDC), Erik Allain, (AANDC), Manager of Licencing (NWB).



Photo 1 – Sewage Spill Outside Main Lift Station



Photo 2 – Port Site Main Lift Station

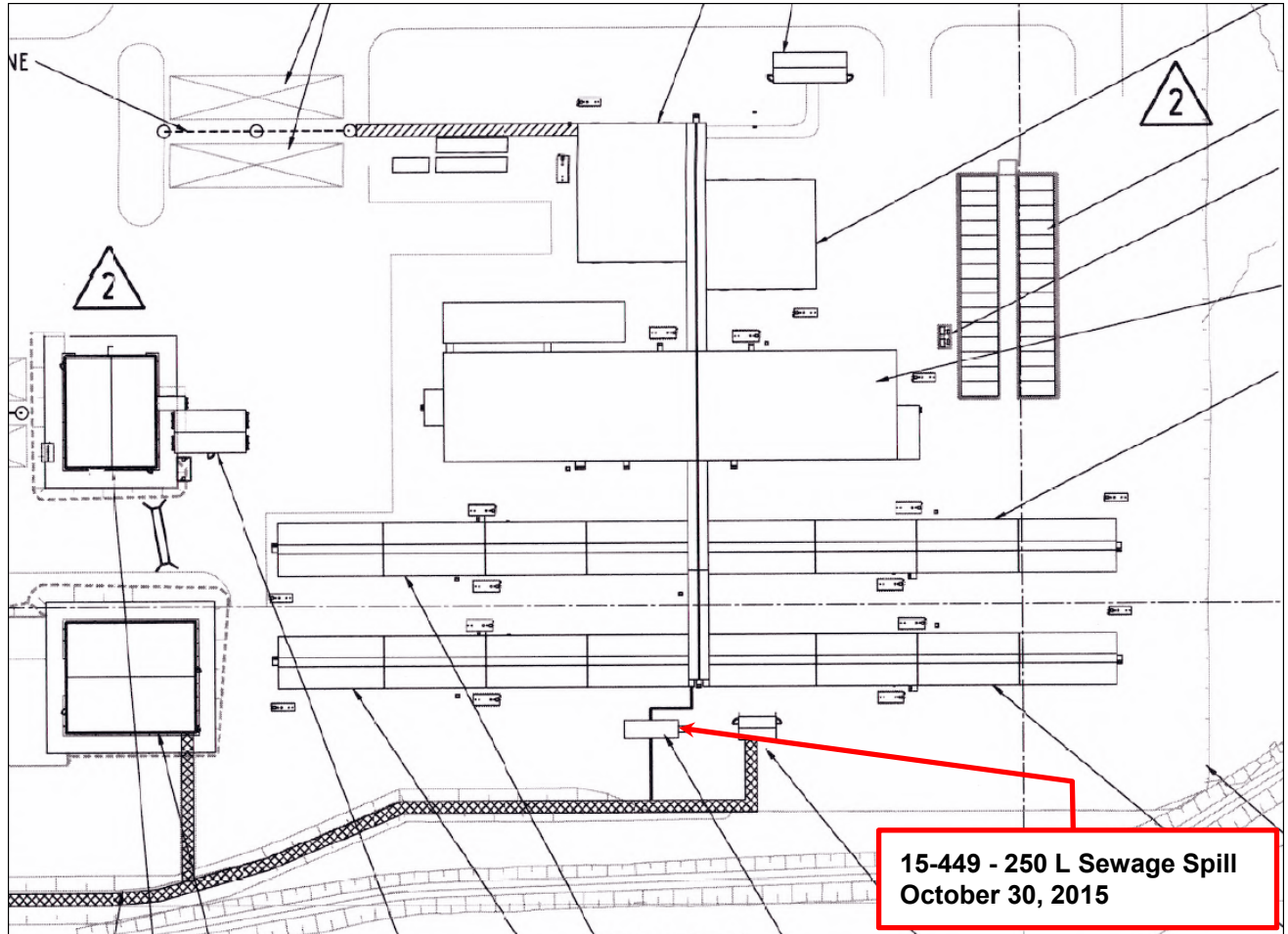


Figure 1 - Spill Location



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 10-30-2015		REPORT TIME 18:00 HRS		<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 - 449
	OCCURRENCE DATE: MONTH – DAY – YEAR 10-30-2015		OCCURRENCE TIME 17:30 HRS			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301			WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"		
	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Milne Port Main Lift Station			REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 71 MINUTES 53 SECONDS 02			LONGITUDE DEGREES 80 MINUTES 53 SECONDS 11		
	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		
	PRODUCT SPILLED Sewage			QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 250 L		U.N. NUMBER N/A
H	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A			QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A		U.N. NUMBER N/A
	SPILL SOURCE Main Lift Station			SPILL CAUSE Breach in Lift Station Tank		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
	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS At 17:30 HRS on October 30, 2015, while working on the force main around the Milne Port Camp main lift station a worker discovered that the main lift station was leaking sewage. The worker immediately triggered the lift station pumps and drained the tank. Upon further inspection it was determined that the lift station tank was cracked causing approximately 250 L of sewage to spill onto the adjacent ground, affecting an area of approximately 10 m2. The lift station pump floats have been lowered in the tank to prevent sewage from reaching the height of the crack. The maintenance department is currently looking into repairing or replacing the tank. The location of the spill was on the Milne Port 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 Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site, NU	TELEPHONE ext. 6010	
	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Off Site	ALTERNATE TELEPHONE	
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 _____

Figure 2 – NT-NU Spill Report



December 9, 2015

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

Acting Manager, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0
Justin Buller jfbuller@qui.ca

Re: Follow-up to Spill #15-458, Reported on Nov 10th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

At 15:00 HRS on November 9, 2015, a worker discovered that the main sewage line between the Port Site Complex (PSC) main lift station and the Milne Port wastewater treatment plant was leaking. Upon further inspection it was determined that a coupling on the sewage line had failed causing approximately 1500 litres of sewage to spill onto the adjacent ground, affecting an area of approximately 50 m². Soil infiltration was minimized due to the frozen ground conditions. The location of the spill was on the Milne Port camp pad and is greater than 200 metres from the closest water body, which is currently frozen.

Immediate and Follow-Up Action:

The worker immediately locked out the line and notified the Environment Department. Contaminated snow and ice was removed and transported to the Milne Port PWSP.

Recommendations:

Routine inspections of the sewage lines and lift stations will continue to be done in order to ensure all components of the sewage system are working as designed. A new fused main sewage line running from the PSC's main lift station to the Milne Port wastewater treatment plant is 90% complete. The new fused sewage line has a minimal amount of joints/couplings and therefore will be much less prone to joint/coupling failure once commissioned.

Current Status:

The sewage line has been repaired and is back in service.

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 "Andrew Vermeer".

Andrew Vermeer
Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "Trevor Myers".

Trevor Myers
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Oliver Curren, Bernard Laflamme, Bikash Paul, Tony Woodfine, Jim Millard, Allan Knight, Lea Willemse, Jennifer St.Paul-Butler (Baffinland), Erik Allain, Scott Burgess (AANDC).



Photo 1 – Sewage Spill



Photo 2 – Spill Location after Cleanup

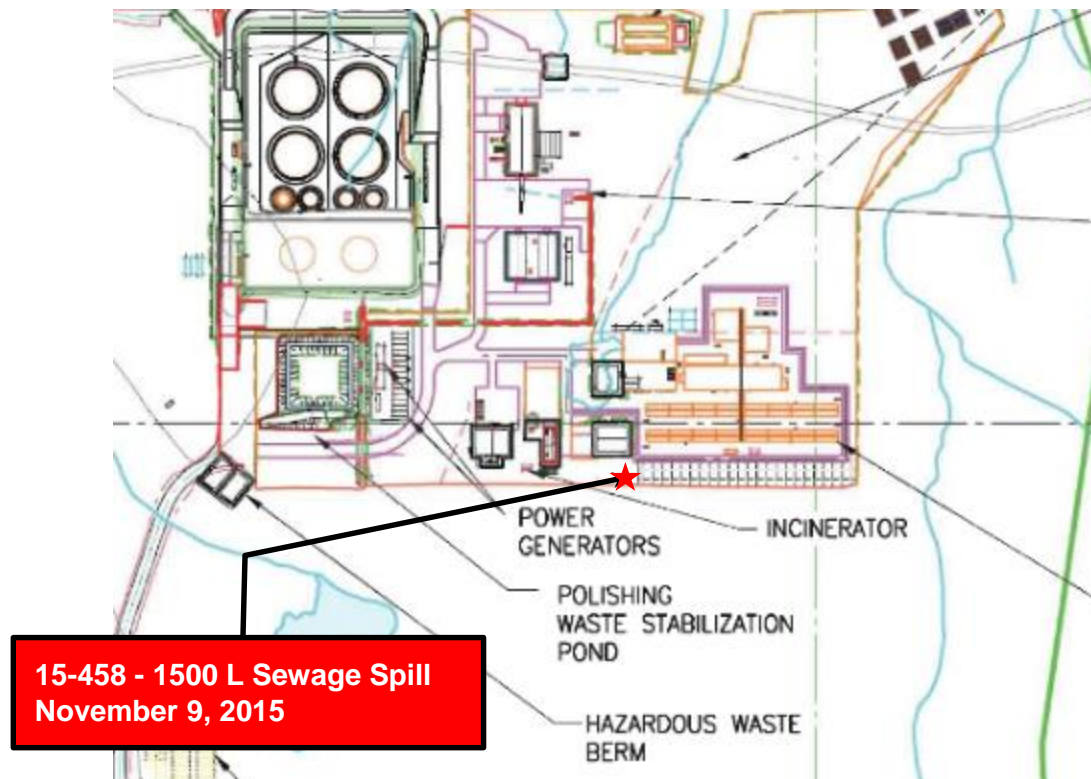


Figure 1 - Spill Location



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 11-09-2015	REPORT TIME 15:15 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER _____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 11-09-2015	OCCURRENCE TIME 15:00 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 Milne Port Main Sewage Line		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 71 MINUTES 53 SECONDS 01		LONGITUDE DEGREES 80 MINUTES 53 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 Sewage	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 1500 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 Main Sewage Line	SPILL CAUSE Failed Coupling	AREA OF CONTAMINATION IN SQUARE METRES 50 m2		
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	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 15:00 HRS on November 9, 2015, a worker discovered that the main sewage line between the Milne Port Complex main lift station and sewage treatment plant was leaking. The worker immediately locked out the line and notified Environment. Upon further inspection it was determined that a coupling on the sewage line had failed causing approximately 1500 litres of sewage to spill onto the adjacent ground, affecting an area of approximately 50 m2. Frozen ground conditions have limited the amount of soil infiltration and the sewage line has been repaired. Contaminated snow and ice will be removed and transported to the Milne Port PWSP. The location of the spill was on the Milne Port camp pad and is greater than 200 metres from the closest water body, which is presently frozen. 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 Trevor Myers	POSITION Enviro Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River, NU	TELEPHONE (647) 253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Enviro Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION 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"/> 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



December 23, 2015

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

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

Re: Follow-up to Spill #15-474, Reported on Nov 23rd, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On November 23, 2015 at 06:30 hrs, a worker discovered diesel fuel mixed with snow between the Kitchen and AG Wings of the Mine Site accommodation complex. The ball valve on the fuel pipe going into the Makeup Air Unit was found to be broken after drifted snow was removed. The volume of the spill was approximately 200L covering an approximate area of 20 m². The impacted layer was confined due to underlying hard snow pack and ice and is greater than 200m away from the closest body of water.

Immediate and Follow-Up Action:

Maintenance was notified immediately upon discovery and capped the line as this unit is not currently in operation. The contaminated snow/ice from the impacted area was removed for disposal in the Milne Inlet Contaminated Snow Dump, an engineered lined containment area.

Recommendations:

It is recommended that only personnel thoroughly experienced with the infrastructure of the Mine and Port Site Complexes are to clear snow in between the wings using equipment capable to safely navigate all infrastructure within the wings. Additional recommendations are being considered to address hazards and ways to mitigate said hazards within the wings of the accommodation complexes.

Current Status:

The ball valve on the fuel piping for the Air Handling Unit is capped as this unit is not currently in operation. The contaminated snow and ice has been transported to the Milne Inlet Contaminated Snow Dump. Only personnel thoroughly experienced are clearing snow in between the wings using smaller skid steer type equipment which is best capable to safely navigate within the wings.

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:

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

Allan Knight
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Oliver Curran, Bernard Laflamme, Tony Woodfine, Jim Millard, Bill Bowden, Andrew Vermeer, Lea Willemse, Jennifer St. Paul-Butler (Baffinland), Erik Allain, Scott Burgess (AANDC).



Photo 1 - Diesel Spill

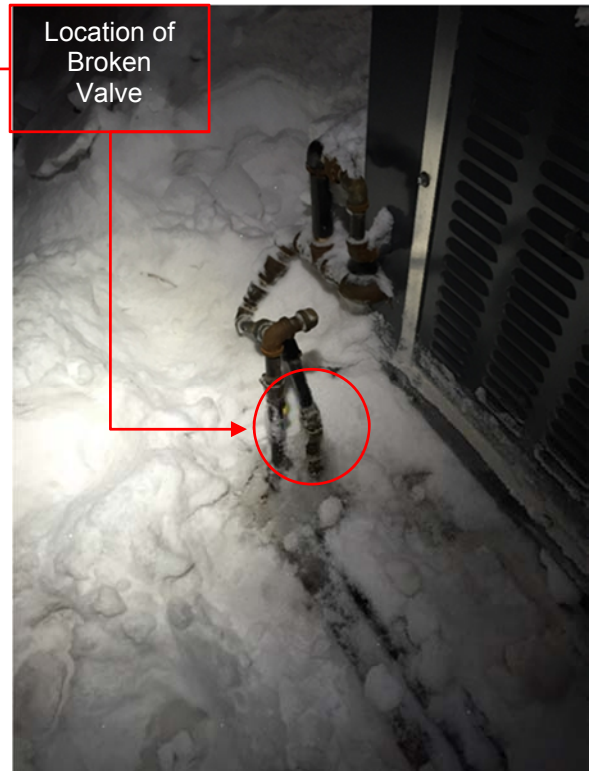


Photo 2 - Spill Location



Photo 3 - Spill Clean up



Photo 4 - Spill Clean up

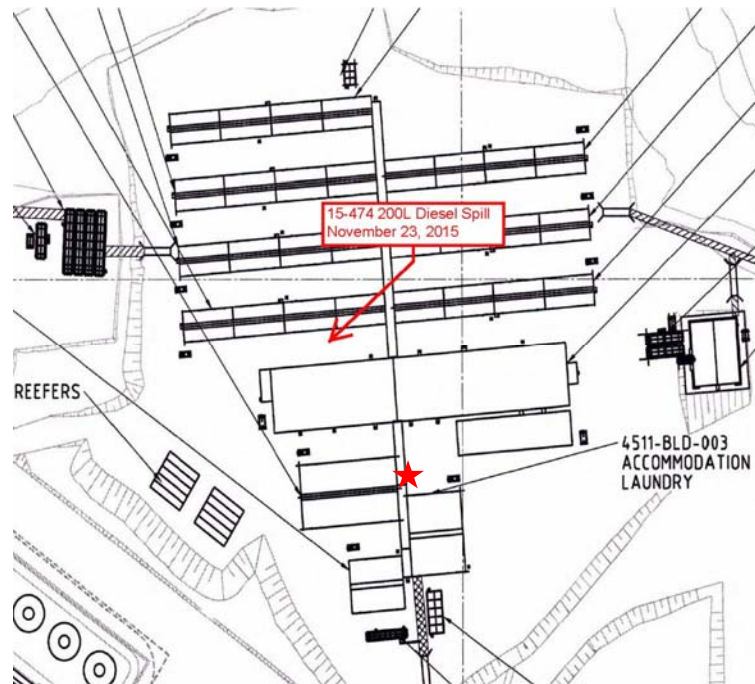


Figure 1 - Spill Location



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 11-23-2015	REPORT TIME 18:00 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER 15 - 474
B	OCCURRENCE DATE: MONTH – DAY – YEAR 11-23-2015	OCCURRENCE TIME 06:30 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, 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 Diesel	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Approx 200 litres (TBD)	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 Supply Line	SPILL CAUSE Failed Ball Valve	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 ENVIRONMENT N/A	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS On November 23, 2015 at 06:30 hrs, a worker discovered diesel fuel mixed with snow between the Kitchen and AG Wings of the Mine Site accommodation complex. The ball valve on the fuel pipe going into the Makeup Air Unit was found to be broken after drifted snow was removed. Maintenance was notified immediately upon discovery and capped the line as this unit is not currently in operation. The area of the spill is approximately 20 m2. The diesel is mixed in with a thin layer of snow within the impacted area. This layer is confined due to underlying hard snow pack and ice. A plan is being developed to remove product and contaminated snow/ice from the area for disposal in the Milne Inlet Contaminated Snow Dump, a engineered lined containment area. Completed details of this incident and cleanup will be provided in the follow-up report within 30 days.			
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Enviro Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River, NU
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Enviro Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Off Site
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		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

December 28, 2015

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

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

Re: Follow-up to Spill #15-483, Reported on Nov 28th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On November 28, 2015, at 14:30 hrs, an operator was clearing snow in a Hazardous Waste engineered, lined containment berm that was completely buried in over 1 metre of hard packed snow. The task involved removing snow and items in the berm. As the operator was removing the snow, a pallet of hydraulic oil drums under the snow was caught by the corner of the cutting edge on the bucket, slicing open several drums and causing a spill of about 450 litres.

Immediate and Follow-Up Action:

The operator and spotter ceased work and notified the supervisor. Workers began building a small snow/ice berm to prevent the flow and contain it to a relatively small area. The contaminated snow/ice was packaged in overpack drums, transferred to the Milne Port Landfarm.

Recommendations:

All workers are to ensure that materials stored in berms are arranged inside the berm, squared off and not just randomly deposited. This will assist in the removal of snow to prevent high levels of melt in the spring.

Current Status:

Crews have been notified and cleanup of berms is scheduled, extra care and manual assistance will be required when available to organize the contents of the berms.

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.

Kind Regards,



Allan Knight, B.Sc.
Environmental Superintendent

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Oliver Curran, Bernard Laflamme, Tony Woodfine, Bikash Paul, Jim Millard, Bill Bowden, Andrew Vermeer, Lea Willemse, Jennifer St. Paul-Butler (Baffinland), Erik Allain, Scott Burgess (AANDC).



Photo 1 – Hydraulic Oil Spill



Photo 2 - Spill Clean Up



Photo 3 - Spill Clean up

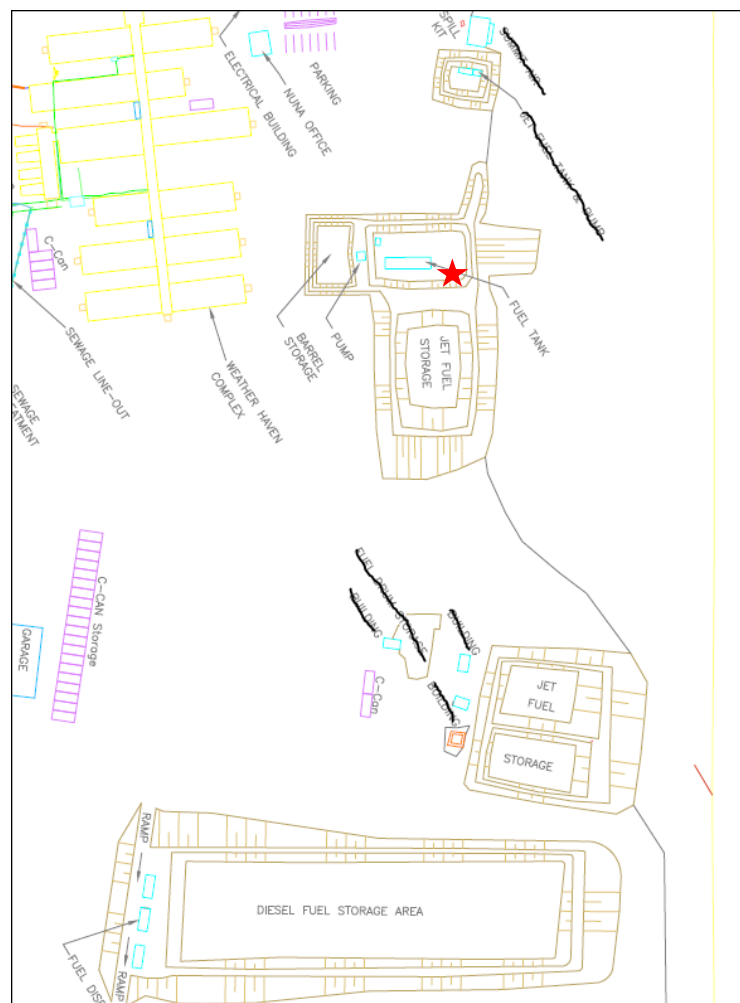


Figure 1 - Spill Location



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 11-29-2015	REPORT TIME 14:30 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 15 - 483
	B	OCCURRENCE DATE: MONTH – DAY – YEAR 11-28-2015	OCCURRENCE TIME 14:30 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, 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 35		LONGITUDE DEGREES 79 MINUTES 22 SECONDS 19		
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 450 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 170L Drums	SPILL CAUSE Hit by Skid Steer	AREA OF CONTAMINATION IN SQUARE METRES 5 m2		
J	FACTORS AFFECTING SPILL OR RECOVERY N/A	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 On November 28, 2015, at 14:30 hrs, an operator was clearing snow in a Hazardous Waste containment berm that was completely buried in over 1 metre of hard packed snow. The task involved removing snow and items in the berm. As the operator was removing the snow, a pallet of hydraulic oil drums under the snow was caught by the corner of the cutting edge on the bucket, slicing open several drums and causing a spill of about 450 litres. Completed details of this incident will be provided in the follow up report within 30 days.				
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Enviro Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River, NU	TELEPHONE (647) 253-0596
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Enviro Manager	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION 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"/> 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



January 14, 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

Director, Major Projects
Qikiqtani Inuit Association
P.O. Box 219
Iqaluit, NU X0A 0H0
Stephen Bathory SWBathory@qia.ca

Re: Follow-up to Spill #15-498, Reported on December 15th, 2015
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On December 15, 2015, at approximately 09:35, while completing routine daily inspections of sewer lines and lift stations, a worker discovered that sewage flowing from the door of the main lift station of the Milne Port Site Complex. Upon further inspection it was determined that the floats that trigger the lift stations pumps had failed to activate causing the lift station to overflow releasing approximately 1,500 L of sewage to the ground surface adjacent to the lift station, impacting an area of roughly 10 m². Due to the frozen ground conditions, soil infiltration was negligible. The location of the spill was on the camp pad and is greater than 100 metres from the closest water body, which is currently frozen.

Immediate and Follow-Up Action:

The worker attempted to trigger the lift station pumps. When the pumps failed to engage the sewage vacuum truck was called to bring lift station sewage levels down. After sewage levels were brought down, the pumps engaged and continued to pump the sewage from the lift station. The floats were fixed and the lift station was back in service shortly after the incident. The sewage vacuum truck was also used to complete clean-up of pooled sewage around the lift station.

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 floats have been fixed and the main lift station is back in service.

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 that reads "Lea Willemse".

Lea Willemse
Environmental Coordinator

Reviewed by:

James Millard
Environmental Manager

Attach: Photos, Map, NT-NU Spill Report

cc. Erik Madsen, Oliver Curran, Bernard Laflamme, Bikash Paul, Tony Woodfine, Allan Knight, Jennifer St.Paul-Butler (Baffinland)
Erik Allain, Scott Burgess (AANDC); Justin Buller (QIA)



Photo 1 – Sewage Spill



Photo 2 – Sewage Spill

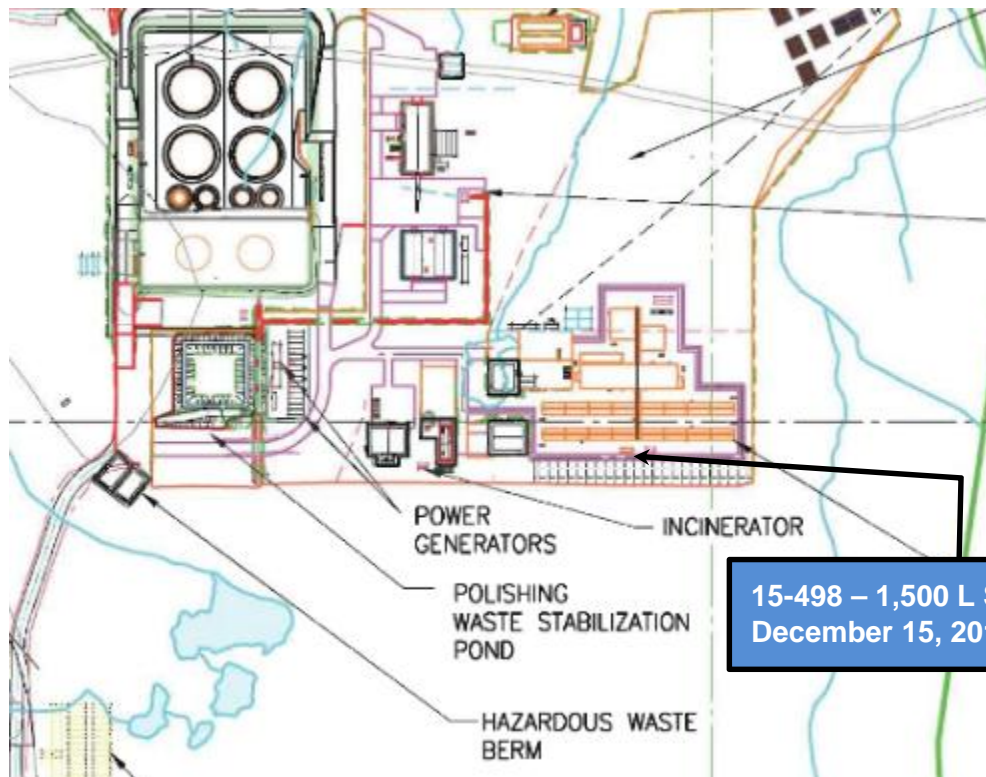


Figure 1 - Spill Location



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 12-15-2015	REPORT TIME 10:30 HRS	<input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
B	OCCURRENCE DATE: MONTH – DAY – YEAR 12-15-2015	OCCURRENCE TIME 09:30 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 Milne Port Main Lift Station	REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 71 MINUTES 53 SECONDS 02	LONGITUDE DEGREES 80 MINUTES 53 SECONDS 11		
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 1500 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 Main Lift Station	SPILL CAUSE Pump 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 09:30 HRS on December 15, 2015, while completing the daily inspection of Milne Port Site Complex sewage lines, a worker discovered that the main lift station was leaking sewage. The worker attempted to trigger the lift station pumps. When the pumps failed to engage the sewage vacuum truck was called to bring lift station sewage levels down. After sewage levels were brought down the pumps engaged and continued to pump the sewage from the lift station. Upon further inspection it was determined that the lift station pump failure resulted in a spill of sewage onto the adjacent ground, affecting an area of approximately 10 m2. The location of the spill was on the Milne Port camp pad and is greater than 100 m from the closest water body. The spill is contained within a small area. Clean-up efforts using the vacuum truck were made.			
L	REPORTED TO SPILL LINE BY Allan Knight	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mine Site
M	ANY ALTERNATE CONTACT Jim Millard	POSITION Env. Manager	EMPLOYER Baffinland	ALTERNATE CONTACT Mine Site
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 _____

Figure 2 – NT-NU Spill Report