

# APPENDIX E.8.7.2 INITIAL AND FOLLOW UP SPILL REPORTS

(Part 1)

**OTHER** 



February 1, 2017

Resource Management Officer Nunavut Field Operations Indigenous and Northern Affairs 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 #17-002, Reported on January 2<sup>nd</sup>, 2017 Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

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

Immediate and Follow-Up Action:

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

Recommendations:

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

**Current Status:** 

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



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

Prepared By:

Katherine Babin

**Environmental Coordinator** 

Reviewed by:

Laura Taylor

**Environmental Superintendent** 

Attach: Photos, Map, NT-NU Spill Report

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



Photo 1: Oil Spill Milne Port Contaminated Snow Dump



Photo 2: Oil Spill Post Clean Up

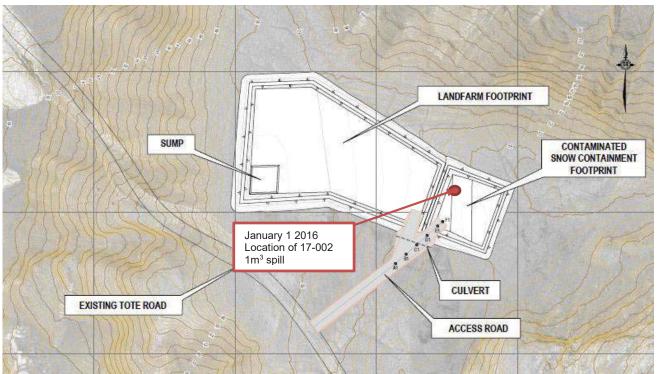


Figure 1: Spill Location



# 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: SPIIIS@gov.nt.ca

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Figure 2: NT-NU Spill Report

PAGE 1 OF 1



02-08-2017

Resource Management Officer Nunavut Field Operations Indigenous and Northern Affairs Canada Box 100 Iqaluit, NU X0A 0H0 Justin.Hack@aandc-aadnc.gc.ca Director, Major Projects Qikiqtani Inuit Association P.O. Box 219 Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #17-008, Reported on January 7, 2017

Mary River Project - Water Licence No. 2AM-MRY1325

#### **Summary:**

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

#### Immediate and Follow-Up Action:

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

#### Recommendations:

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

#### **Current Status:**

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

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

Prepared By:

Katherine Babin

**Environmental Coordinator** 

. ( /

Reviewed by:

Laura Taylor

**Environmental Superintendent** 

Attach: Map, NT-NU Spill Report

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

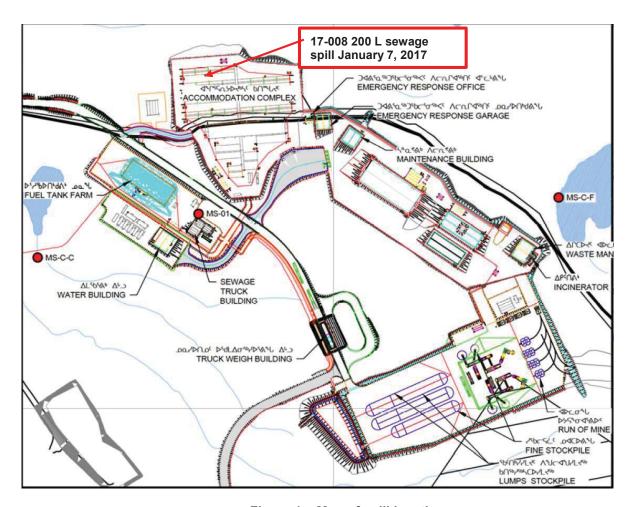


Figure 1 – Map of spill location



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

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PAGE 1 OF 1

Figure 2 – NT-NU Spill report 17-008



02-09-2017

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

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

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

#### **Summary:**

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

#### Immediate and Follow-Up Action:

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

#### **Recommendations:**

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

#### **Current Status:**

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

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

Prepared By:

Katherine Babin

**Environmental Coordinator** 

Attach: Map, NT-NU Spill Report

Reviewed by:

Laura Taylor

**Environmental Superintendent** 



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



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

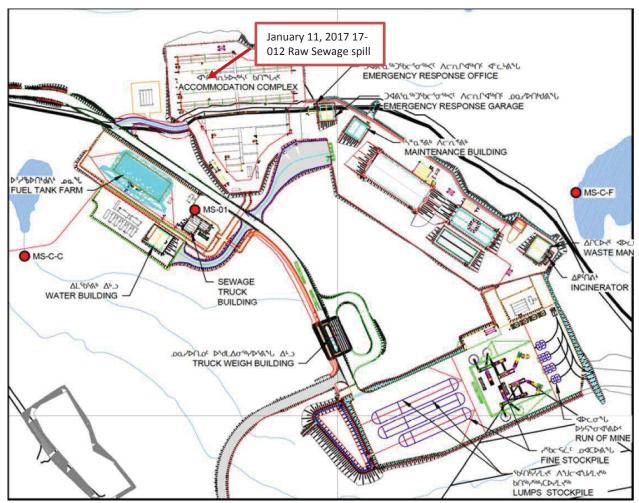


Figure 1: Spill Location AF West Wing



### 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

REPORT LINE USE ONLY REPORT DATE: MONTH - DAY - YEAR REPORT TIME X ORIGINAL SPILL REPORT. 01-11-2017 1830 HRS REPORT NUMBER OCCURRENCE DATE: MONTH - DAY - YEAR OCCURRENCE TIME UPDATE # 17 012 TO THE ORIGINAL SPILL REPORT 01-11-2017 Unknown LAND USE PERMIT NUMBER (IF APPLICABLE) WATER LICENCE NUMBER (IF APPLICABLE) IOL - Commercial Lease: Q13C301 2AM-MRY1325 Type "A" GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION REGION Mary River Mine Site, Baffin Island, NU X NUNAVUT DIADJACENT JURISDICTION OR OCEAN LATITUDE LONGITUDE GREES 079 EDONDS 53 SECONDS 03 DEGREES 71 MINUTES 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 ANY CONTRACTOR INVOLVED CONTRACTOR ADDRESS OR OFFICE LOCATION G N/A PRODUCT SPILLED QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRIES U.N. NUMBER Raw Sewage < 500 Litres N/A SECOND PRODUCT SPILLED (IF APPLICABLE) QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES U.N. NUMBER N/A N/A N/A SPILL SOLIBO AREA OF CONTAMINATION IN SOLIARE METRES. SPILL CAUSE Mine Site Complex AF Wing 20 m2 Pipeline Coupling Separation ACTORS AFFECTING SPILL OR RECOVERY HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT Frozen Conditions N/A N/A ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF S VILLED PRODUCT AND CONTAMINATED MATERIALS At 09:30 HRS on January 11th, during a routine (daily) inspection, a Site Service worker noticed and responded to sewage overflowing from behind a lift station outside the West AF Wing of the Mine Site Complex (MSC). Approximately <500 L of raw sewage was released to the adjacent camp pad ground surface, impacting an approx. 20 m2 area. This location is greater than 100 m to the nearest water course (which is currently frozen). The pipe was repaired within several hours of discovery. The area is confined and congested, but best efforts will be made to remove the contamination. The investigation of the incident is being completed and the results will be provided in the follow-up. report. This spill is being reported as required by the conditions of NWB Water License no. 2AM-MRY1325, Part H, item 9 (b) pursuant to subsection 12(3) of the Nunavut Waters and Nunavut Surface Rights Tribunal Act. REPORTED TO SPILL LINE BY EMPLOYER OCATION CALLING FROM TELEPHONE Laura Taylor Env. Superintendent Baffinland 647-253-0596 ext. 6039 ANY ALTERNATE CONTACT M Jim Millard 647-253-0596 Ext 6106 Env. Manager Baffinland REPORT LINE USE ONLY OSITION LOCATION CALLED REPORT LINE NUMBER RECEIVED AT SPILL LINE BY STATION OPERATOR YELLOWKNIFE, NT 867) 920-8130 LEAD AGENCY DEC DICCO DIGNWT DIGN DILA DINAC DINEB DITC SIGNIFICANCE II MINOR II MAJOR II UNKNOWN FILE STATUS ID OPEN ID CLOSED CONTACT NAME CONTACT TIME REMARKS AGENCY LEAD AGENCY FIRST SUPPORT AGENCY SECOND SUPPORT AGENCY THIRD SUPPORT AGENCY

Figure 2: NT-NU Spill Report



February 11<sup>th</sup>, 2017

Resource Management Officer Nunavut Field Operations Indiginous and Northern Affairs Canada Box 100 Iqaluit, NU XOA 0H0 Justin.Hack@aandc-aadnc.gc.ca Director, Major Projects Qikiqtani Inuit Association P.O. Box 219 Iqaluit, NU XOA 0H0

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

#### **Summary:**

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

#### Immediate and Follow-Up Action:

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

#### Recommendations:

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

#### **Current Status:**

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

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



Prepared By:

Katherine Babin

**Environmental Coordinator** 

Reviewed by:

Laura Taylor

**Environmental Superintendent** 

Attach: Map, NT-NU Spill Report

cc. Todd Burlingame, Wayne McPhee, Sylvain Proulx, Robert Gagne,

Stephen Bathory (QIA), Erik Allain, Sarah Forte (INAC).





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

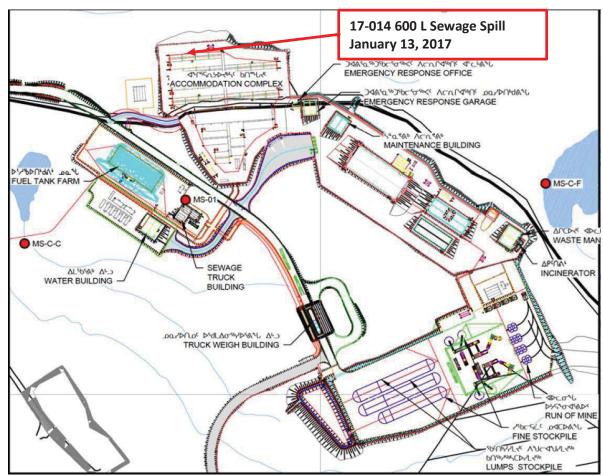


Figure 1 - Spill Location



## NT-NU SPILL REPORT

'ILL REPURI TEL: (867) 92(

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

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Figure 2 – NT-NU Spill Report



February 23, 2017

Resource Management Officer Nunavut Field Operations Indigenous and Northern Affairs Canada Box 100 Iqaluit, NU X0A 0H0 Justin.Hack@aandc-aadnc.gc.ca Director, Major Projects Qikiqtani Inuit Association P.O. Box 219 Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #17-026, Reported on January 25, 2017 Mary River Project - Water Licence No. 2AM-MRY1325

#### **Summary:**

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

#### Immediate and Follow-Up Action:

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

#### Recommendations:

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

#### **Current Status:**

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

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

Prepared By:

Reviewed by:

Allan Knight

**Environmental Superintendent** 

William Bowden

Bell Bonder

**Environmental Superintendent** 

Attach: Photos, Map, NT-NU Spill Report

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



#### Photos:



Photo 1 – Discharge line separated at elbow



Photo 2 - Discharge Line Elbow Repaired





Photo 3 - Location of Failed Discharge Line



Photo 4 – Snow Clearing Efforts at Location of Release



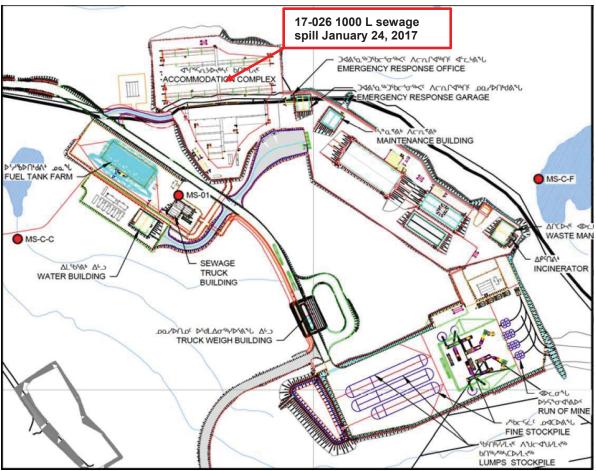


Figure 1 - Map of spill location







# 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

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В	OCCURRENCE DATE: MONTH 01-24-2017			6:00	NCE TIME	□ UPDATE # TO THE ORIGINAL SPI	LL REPORT	17 026
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D	Mary River Mine			ATION	REGION  NWT X NUNAV	UT 🗆 ADJACENT JU	RISDICTION	OR OCEAN
Ε	DEGREES 71	MINUTES 18	SECONDS 54	c	ONGITUDE DEGREES <b>79</b>	MINUTES 16	s	ECONDS 59
F	RESPONSIBLE PARTY OR VE Baffinland Iron M	ines Corp.	2275 Middle	e Ro	RESS OR OFFICE LOCAT ad East, Suite :		ON L6H	0C3
G	N/A	D	N/A	RESS C	OR OFFICE LOCATION			
ш	PRODUCT SPILLED  Raw Sewage		<1000 Litre		GRAMS OR CUBIC METR	ES U.N. NUMBER N/A		
Η	SECOND PRODUCT SPILLED N/A	(IF APPLICABLE)	QUANTITY IN LITRE	S, KILO	GRAMS OR CUBIC METR	ES U.N. NUMBER  N/A		
1	SPILL SOURCE Lift station discha		Frozen disc	charç	ge line	120m2	MI MOITAMIN	SQUARE METRES
J	Congested area,		N/A	SISTANO	CE REQUIRED	N/A	RSONS, PRO	PERTY OR EQUIPMENT
K	separated at an e pumped out by vo- frozen discharge an area of 120 m2 underneath the o currently frozen. provided in the fo- license no. 2AM-I Nunavut Surface	acuum truck. Up line. Approxima 2. The location omplex wing, an The investigation ollow-up report. MRY1325, Part I	pon initial investately 1000 L of stately 1000 L of stately 1000 L of stately the stately that the stately the stately that the stately the stately that the st	stigat sewa con an 10 are o ing r	tion, the heat tr ige was release fined to the Mii 00 metres from ngoing and fur eported as req	ace had failed ed to the adjac ne Site Comple the closest w ther details of uired by the co	contribent padex pad, ater boother incommendation	outing a l, impacting migrating dy which is ident will be ns of water
L	REPORTED TO SPILL LINE BY William Bowden	POSITION Env. Super	10750	PLOYEI affin		647-253-0596	3283,810.	
М	Wayne McPhee	POSITION Dir. Sust De	23 42 1	PLOYEI affin		ALTERNATE CONTACT		ext. 6016
П						Off Site		
N	RECEIVED AT SPILL LINE BY		REPORT LINE U	SE ONI	land			ext. 6016
IA		POSITION		SE ONI	land Y			ext. 6016
		POSITION STATION OPERATOR	EM		land Y	LOCATION TO	1	ext. 6016 ALTERNATE TELEPHONE 5088
LEA	DAGENCY DEC DCCG D	STATION OPERATOR	R EM	PLOYE	land Y	LOCATION CALLED YELLOWKNIFE, NT		ext. 6016 ALTERNATE TELEPHONE 5088 REPORT LINE NUMBER
10000	D AGENCY DEC DCCG DC	STATION OPERATOR	R EM	SIGNIF	land Y	LOCATION CALLED YELLOWKNIFE, NT		ext. 6016 ALTERNATE TELEPHONE 5088 REPORT LINE NUMBER 867) 920-8130
AGE		STATION OPERATOR	R EM	SIGNIF	land LY R CICANCE   MINOR   M	LOCATION CALLED VELLOWKNIFE, NT		ext. 6016 ALTERNATE TELEPHONE 5088 REPORT LINE NUMBER 867) 920-8130
AGE	NCY	STATION OPERATOR	R EM	SIGNIF	land LY R CICANCE   MINOR   M	LOCATION CALLED VELLOWKNIFE, NT		ext. 6016 ALTERNATE TELEPHONE 5088 REPORT LINE NUMBER 867) 920-8130
AGE LEA	D AGENCY	STATION OPERATOR	R EM	SIGNIF	land LY R CICANCE   MINOR   M	LOCATION CALLED VELLOWKNIFE, NT		ext. 6016 ALTERNATE TELEPHONE 5088 REPORT LINE NUMBER 867) 920-8130

PAGE 1 OF \_\_1

Figure 2 – NT-NU Spill report 17-026



March 1, 2017

Resource Management Officer Nunavut Field Operations Indigenous and Northern Affairs Canada Box 100 Iqaluit, NU X0A 0H0 Justin.Hack@aandc-aadnc.gc.ca Director, Major Projects Qikiqtani Inuit Association P.O. Box 219 Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #17-032, Reported on January 31, 2017

Mary River Project - Water Licence No. 2AM-MRY1325

#### **Summary:**

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

#### Immediate and Follow-Up Action:

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

#### Recommendations:

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

#### **Current Status:**

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

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

Prepared By:

Katherine Babin

**Environmental Coordinator** 

Reviewed by:

Laura Taylor

**Environmental Superintendent** 

Attach: Map, NT-NU Spill Report

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





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



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

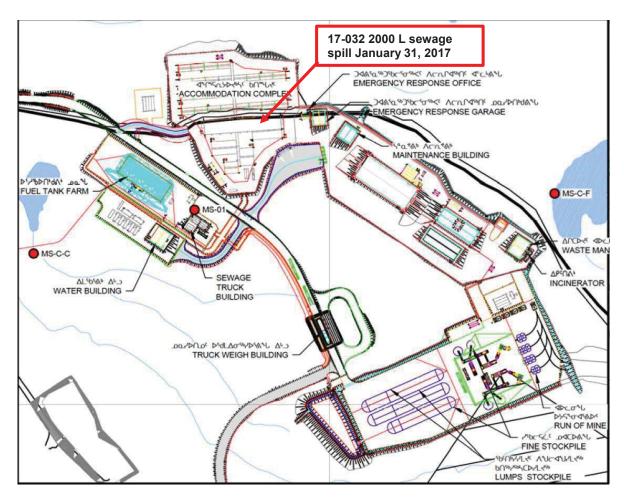


Figure 1 - Map of spill location



### 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
Α	01-31-2017	YEAR		11:30			X ORIGINAL SPII OR	LL REPORT,	REPORT NUMBER
В	OCCURRENCE DATE: MONTH- unknown	DAY - YEAR		unkn	RENCE TIME		□ UPDATE #	IL SPILL REPORT	17 - 032
С	IOL - Commercial						Type "A"		
D	GEOGRAPHIC PLACE NAME OF Mary River Mine S			LOCATION		X NUNAVL	7.	NT JURISDICTION	I OR OCEAN
Е	LATITUDE 74	40			LONGITUDE				
	DEGREES 71 RESPONSIBLE PARTY OR VESS	MINUTES 18	RESPONSIBLE	_	DEGREES	79 FFICE LOCATI	MINUTES	<b>17</b> s	ECONDS 02
F	Baffinland Iron Mi	ines Corp.	2275 Mic	ddle Ro	oad East	t, Suite 3	300, Oakvil	le, ON L6H	0C3
G	N/A		N/A						
	Grey water		Approx.			CUBIC METRI	ES U.N. NUMBE N/A	R	
H	SECOND PRODUCT SPILLED (II	IF APPLICABLE)	QUANTITY IN L			CUBIC METR		R	
	IVA		N/A				N/A		
I	SPILL SOURCE industrial washing	n machines	SPILL CAUSE Discharg	go nine	fitting f	ailura	AREA OF CO	ONTAMINATION IN	SQUARE METRES
•	FACTORS AFFECTING SPILL OF		DESCRIBE ANY		_		HAZARDST	O PERSONS, PRO	PERTY OR EQUIPMENT
J	Below complex, si	now and ice	N/A				N/A		
K	At 16:00 HRS on J noticed an ice imp from the three was off and a new elbo caused expansion water was release pad, underneath th body which is cur incident will be pre conditions of wate Nunavut Waters an	pacted area below shing machines how was installed. In and contraction and to the below pathe laundry complimently frozen. The rovided in the folker license no. 2AM and Nunavut Surfa	withe MSC had separa Upon initia leading to ad. The loo lex wing, a e investiga ow-up repo	laundrated at inverse the pion of the pion	ry wing. I an elbovestigation ipe fitting of the sp greater the nd repair is spill is t H, item nal Act.	It was ol w. All the n, it is ex g failure pill was o han 100 rs are or s being i	bserved the ree washin xpected the e. Approxin confined to metres fro ngoing and reported as ursuant to	at the disc ng machine at extreme nately 2 m3 o the Mine om the clos I further de s required subsection	charge line es were shut temperatures 3 of grey Site Complex sest water etails of the by the n 12(3) of the
L	William Bowden	Env. Superint	tendent	Baffir			647-253-0		ext. 6016
М	ANY ALTERNATE CONTACT	POSITION		EMPLOYE			ALTERNATE CON		ALTERNATE TELEPHONE
IVI	Laura Taylor	Env. Superint		Baffir			Off Site		519 870 9274
Ŀ	RECEIVED AT SPILL LINE BY	POSITION	REPORT LIN	EMPLOYE			LOCATION CALLE	ED	REPORT LINE NUMBER
N		STATION OPERATOR					YELLOWKNIFE, N	NT	(867) 920-8130
LEAD	DAGENCY DEC DCCG DG	NWT - GN - LA - INAC	□ NEB □ TC	SIGN	IFICANCE = 1	MINOR - MA	JOR = UNKNOW	N FILE STAT	US - OPEN - CLOSED
AGE	NCY C	CONTACT NAME		CONT	TACT TIME		REMARKS		
LEAD	D AGENCY								
FIRS	ST SUPPORT AGENCY								
oro.									
SEC	OND SUPPORT AGENCY								

Figure 2 – NT-NU Spill report 17-032

PAGE 1 OF 1



January 31, 2017

Resource Management Officer Nunavut Field Operations Indigenous and Northern Affairs Canada Box 100 Iqaluit, NU X0A 0H0 Justin.Hack@aandc-aadnc.gc.ca Director, Major Projects Qikiqtani Inuit Association P.O. Box 219 Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #17-001, Reported on January 1, 2017
Mary River Project - Water Licence No. 2AM-MRY1325

#### **Summary:**

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

#### Immediate and Follow-Up Action:

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

#### Recommendations:

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

#### **Current Status:**

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

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

Prepared By: Reviewed by:

Connor Devereaux,

**Environmental Coordinator** 

William Bowden

Bell Bander

**Environmental Superintendent** 

Attach: Photos, Map, NT-NU Spill Report

Dung

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



Photo 1 – Lift Station Spill



Photo 2 – Lift Station Spill Post Clean Up



Photo 3 - New Lift Station and Discharge Line

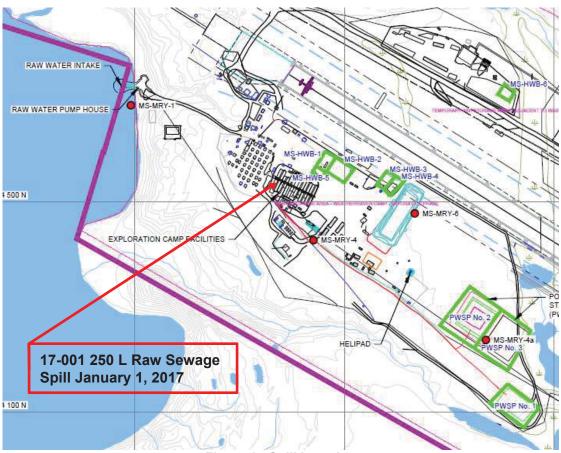


Figure 1 - Spill Location



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
Α	01-01-2017	- YEAR		REPORT TIN 21:45	ME .		X ORIGINAL SPILL RE	PORT,	REPORT NUMBER
В	OCCURRENCE DATE: MONTH- 01-01-2017	- DAY - YEAR		OCCURREN	CETIME		UPDATE # TO THE ORIGINAL SP	LL REPORT	17 - 001
С	LAND USE PERMIT NUMBER (I IOL - Commercial						(IF APPLICABLE)		
	GEOGRAPHIC PLACE NAME O	R DISTANCE AND DIRECTION	N FROM NAMED LO		REGION		71		
D	Mary River Mine S	Site, Baffin Island,	, NU	li e		X NUNAVU	T □ ADJACENT JU	IRISDICTION	OR OCEAN
E	DEGREES 71	MINUTES 19	SECONDS 33		ONGITUDE 7	q	MINUTES 22	) .	ECONDS 29
	RESPONSIBLE PARTY OR VES	MINTO LEG	RESPONSIBLE R		GHEES -	_	INITIOTES	- 5	ECUNDS 23
F	Baffinland Iron Mi	•					00, Oakville,	ON L6H	0C3
G	N/A		N/A	DDRESS OF	OFFICE LOC	GATION			
	PRODUCT SPILLED		QUANTITY IN LIT		RAMS OR CU	JBIC METRE			
Н	Raw Sewage		250 Litres				N/A		
ļ'''	SECOND PRODUCT SPILLED (	IF APPLICABLE)	N/A	RES, KILOG	RAMS OR CL	JBIC METRE	N/A		
П	SPILL SOURCE		SPILL CAUSE	_				MINATION IN	SQUARE METRES
Ľ	Weatherhaven dry		Frozen di				9m2		
J	Severe winter stor		N/A	ASSISTANCE	REQUIRED		N/A	RSONS, PRO	PERTY OR EQUIPMENT
K	pumping sewage liftstation sewage frozen discharge larea of 9m2. The than 100 metres frozen ongoing and for being reported as pursuant to subse	sources were colline. Approximate location of the sprom the closest wurther details of trequired by the cection 12(3) of the	rdoned off ely 250 L of oill was con vater body v the incident conditions of Nunavut V	to previous sewage fined to which is will be of water waters a	ent furtle was re the West current provider license	her spil eleased eatherh tly froz ed in th e no. 24 avut Si	I. The suspect to the adjace aven Camp pen. The invested follow-up read M-MRY1325, urface Rights	eted init ent pad, ad and etigation eport. T Part H Tribun	ial cause is a impacting an is greater n and repairs his spill is , item 9 (b) al Act.
L	William Bowden	POSITION Env. Superint		EMPLOYER Baffinla	and		647-253-0596		ext. 6016
_	ANY ALTERNATE CONTACT	POSITION		EMPLOYER	anu		ALTERNATE CONTACT		ALTERNATE TELEPHONE
M	Jim Millard	Env. Manager		Baffinle	and		Off Site		902-403-1337
Г		·	REPORT LINE	USE ONLY	,				
NI	RECEIVED AT SPILL LINE BY	POSITION		EMPLOYER			LOCATION CALLED		REPORT LINE NUMBER
IN		STATION OPERATOR					YELLOWKNIFE, NT		(867) 920-8130
⊢	DAGENCY DEC DOOG DG		□ NEB □TC			NOR - MA.	JOR = UNKNOWN	FILE STAT	US = OPEN = CLOSED
AGE	NCY	CONTACT NAME		CONTAC	TTIME		REMARKS		
LEA	D AGENCY								
FIRS	ST SUPPORT AGENCY								
SEC	OND SUPPORT AGENCY								
THIE	RD SUPPORT AGENCY								
ᆫ	ID SOFFORT AGENCT								

Figure 2 – NT-NU Spill Report



Resource Management Officer Nunavut Field Operations Indigenous and Northern Affairs Canada Box 100 Iqaluit, NU X0A 0H0 Justin.Hack@aandc-aadnc.gc.ca Director, Major Projects Qikiqtani Inuit Association P.O. Box 219 Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #17-045, Reported on February 15, 2017

Mary River Project - Water Licence No. 2AM-MRY1325

#### Summary:

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

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

#### Immediate and Follow-Up Action:

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

#### Recommendations:

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

#### **Current Status:**

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

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

Prepared By:

Katherine Babin

**Environmental Coordinator** 

Reviewed by:

Laura Taylor

**Environmental Superintendent** 

Attach: Photos, Map, NT-NU Spill Report

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



#### Photos:



Photo 1 – Trail of sewage at the MSC camp pad



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





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



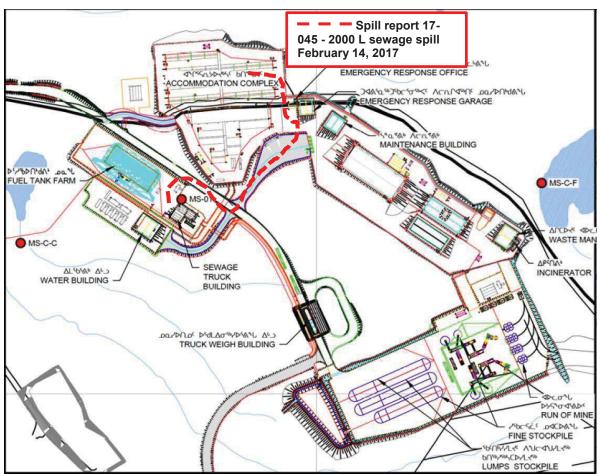


Figure 1 - Map of spill location



lorth Te	Nuñavut Ca	AICCCACC	NT-NU					NT-N	U 24-HOUR SPILL REPORT LINE TEL: (867) 920-8130 FAX: (867) 873-6924 EMAIL: spills@gov.nt.ca
Α	REPORT DATE: MONTH - DAY - YEA  02-15-2017	AR		21:30	IME		X DRIGINAL S	PILL REPOR	T, REPORT NUMBER
_	OCCURRENCE DATE: MONTH - DA	Y-YEAR			NCE TIME		OR UPDATE#		1/ - 045
В	02-14-2017			22:00			TO THE ORIGI	IAL SPILL RE	PORT
С	IOL - Commercial Le	ase: Q13C301			2AM-MF		Type "A"	E)	
D	Mary River Mine Site				REGION □ NWT	X NUNAV	JT 🗆 ADJAC	ENT JURISE	ICTION OR OCEAN
Е		UTES 18	SECONDS 49	9	ONGITUDE DEGREES		MINUTES	17	SECONDS 05
F	RESPONSIBLE PARTY OR VESSEL  Baffinland Iron Mine		2275 Mid				BOO, Oakv	ille. ON	L6H 0C3
	ANY CONTRACTOR INVOLVED		CONTRACTOR				, 2	,	
G			N/A						
	Sewage (untreated)		Approx.		GRAMS OR C	CUBIC METR	ES U.N. NUM	BER	
Н	SECOND PRODUCT SPILLED (IF AF	PPLICABLE)	QUANTITY IN L		GRAMS OR O	CUBIC METR		BER	
	N/A		N/A				N/A		
ī	SPILL SOURCE Vacuum Truck		SPILL CAUSE						TION IN SQLARE METRES
Щ	FACTORS AFFECTING SPILL OR RE	CONTRA	Failed Va		DE DEOUBDE	n l		ox. 120	MZ IS, PRÓPEŘÍTÝ OR EQUIPMENT
J	camp pad & road / ic		N/A	ASSISTAN	UE HEQUINE	D .	N/A	TO PERSON	IS, PHOPERIT OH EQUIPMENT
	Complex AC wing so	outh) and was p	performing	g off loa	acuum t	ruck ha WWTP	d just pur when he	nped ou	_
K	Complex AC wing so when backing up to wing lift station that to the camp pad and	outh) and was puthe off load. The had just put road surface it pill was confin 00 metres fron ported as requ	performing ne trail of u mped out. n a 300 me ed to the l n the close or details o ired by the	g off loa intreate Appro- etre tra Mine Si est wate of the in e condi	acuum to ad at the ed waste ximately il 30-40 te Comp er body cident v tions of	ruck ha e WWTP e went f y 2 cubi cm wide olex pac which i vill be p	d just pur when he rom the V c metres e. I, road su s currentl rovided in icense no	nped or noticed WTP b of sewa rface ar y frozer n the fo . 2AM-N	ut LS 6 (Mine Site d a pool of liquid ack to the AC ge was released and WWTP pad, n. The llow-up report. MRY1325, Part H,
	Complex AC wing so when backing up to wing lift station that to the camp pad and The location of the s and is greater than 1 investigation is ongo This spill is being re item 9 (b) pursuant	outh) and was puthe off load. The had just put road surface it pill was confin 00 metres fron ported as requ	performing ne trail of u mped out. n a 300 me ed to the l n the close or details o ired by the	g off loa intreate Appro- etre tra Mine Si est wate of the in e condi	acuum trad at the ed waste ximately il 30-40 te Comp er body cident v tions of vut Wate	ruck ha e WWTP e went f y 2 cubi cm wide olex pac which i vill be p	d just pur when he rom the V c metres e. I, road su s currentl rovided in icense no	nped ou noticed WTP b of sewa rface ar y frozen the fo . 2AM-M Surface	ut LS 6 (Mine Site d a pool of liquid ack to the AC ge was released and WWTP pad, n. The llow-up report. MRY1325, Part H, e Rights Tribunal
K	Complex AC wing so when backing up to wing lift station that to the camp pad and The location of the s and is greater than 1 investigation is ongo This spill is being reitem 9 (b) pursuant Act.  REPORTED TO SPILL LINE BY	the off load. The had just put he had just put road surface it pill was confined on metres from the ported as requite subsection of the position of the positi	performing ne trail of u mped out. n a 300 me led to the I n the close or details o ired by the 12(3) of the	g off loa untreate Appro- etre tra Mine Si est wate f the in e condi e Nuna	acuum trad at the ed waste ximately il 30-40 et Comper body cident vitions of vut Water land	ruck ha e WWTP e went f y 2 cubi cm wide olex pac which i vill be p	d just pur when he rom the V c metres e. I, road su s currentl rovided ir icense no Nunavut	nped or noticed WTP b of sewa rface ar y frozen the fo . 2AM-N Surface	ut LS 6 (Mine Site d a pool of liquid ack to the AC ge was released and WWTP pad, n. The llow-up report.  RY1325, Part H, Rights Tribunal
L	Complex AC wing so when backing up to wing lift station that to the camp pad and The location of the s and is greater than 1 investigation is ongo This spill is being reitem 9 (b) pursuant Act.  REPORTED TO SPILL LINE BY Allan Knight	puth) and was puthe off load. The had just puthe road surface it pill was confined on metres from the ported as requited subsection of the position of the pos	performing ne trail of u mped out. n a 300 me led to the I n the close or details o ired by the 12(3) of the	g off loa untreate Appro- etre tra Mine Si est wate if the in e condi e Nuna	acuum trad at the ed waste ximately il 30-40 et Comper body cident vitions of vut Water land	ruck ha e WWTP e went f y 2 cubi cm wide olex pac which i vill be p	d just pur when he rom the V c metres e. I, road su s currentl rovided in icense no Nunavut	nped or noticed WTP b of sewa rface ar y frozen the fo . 2AM-N Surface	ut LS 6 (Mine Site d a pool of liquid ack to the AC ge was released and WWTP pad, a. The llow-up report. MRY1325, Part H, Rights Tribunal
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Figure 2 – NT-NU Spill report 17-045



March 28, 2017

Resource Management Officer Nunavut Field Operations Indigenous and Northern Affairs Canada Box 100 Iqaluit, NU X0A 0H0 Justin.Hack@aandc-aadnc.gc.ca Director, Major Projects Qikiqtani Inuit Association P.O. Box 219 Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #17-061, Reported on February 28, 2017 Mary River Project - Water Licence No. 2AM-MRY1325

# Summary:

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

# Immediate and Follow-Up Action:

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

## Recommendations:

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

## **Current Status:**

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

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

Prepared By:

Connor Devereaux,

Environmental Coordinator

Reviewed by:

William Bowden

Bell Bouder

**Environmental Superintendent** 

Attach: Photos, Map, NT-NU Spill Report

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





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



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





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





Figure 1 – Map of spill location



	west Nunavut Cana	ada			ILL REP AND OTHER HAZARDO	ORT	T-NU 24-HOUR SPILL REPORT LIN TEL: (867) 920-813 FAX: (867) 873-692 EMAIL: Spills@gov.nt.c		
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A	REPORT DATE: MONTH - DAY - YEAR  02-28-2017			16:30	ME	X ORIGINAL SPILL REP	ORT, REPORT NUMBER		
_	02-28-2017			OCCURRENCE TIME 13:15		OR UPDATE #	17 - 061		
В						TO THE ORIGINAL SPILL	REPORT		
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D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAM Mary River Mine Site, Baffin Island, NU			OCATION	REGION X NUNAV	ISDICTION OR OCEAN			
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Figure 2 – NT-NU Spill report 17-061



April 1, 2017

Resource Management Officer Nunavut Field Operations Indigenous and Northern Affairs Canada Box 100 Iqaluit, NU X0A 0H0 Justin.Hack@aandc-aadnc.gc.ca Director, Major Projects Qikiqtani Inuit Association P.O. Box 219 Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #17-063, Reported on March 01, 2017 Mary River Project - Water Licence No. 2AM-MRY1325

# **Summary:**

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

# Immediate and Follow-Up Action:

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

#### Recommendations:

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

#### **Current Status:**

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

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

Prepared By:

Reviewed by:

Connor Devereaux

**Environmental Coordinator** 

Laura Taylor

**Environmental Superintendent** 

Attach: Map, NT-NU Spill Report

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





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



Photo 2: Snow removed to PWSP



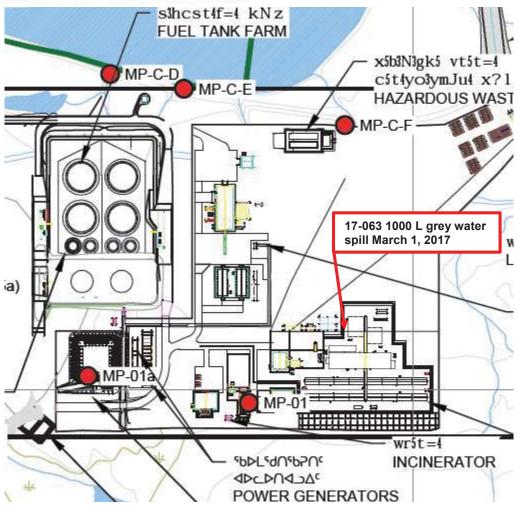
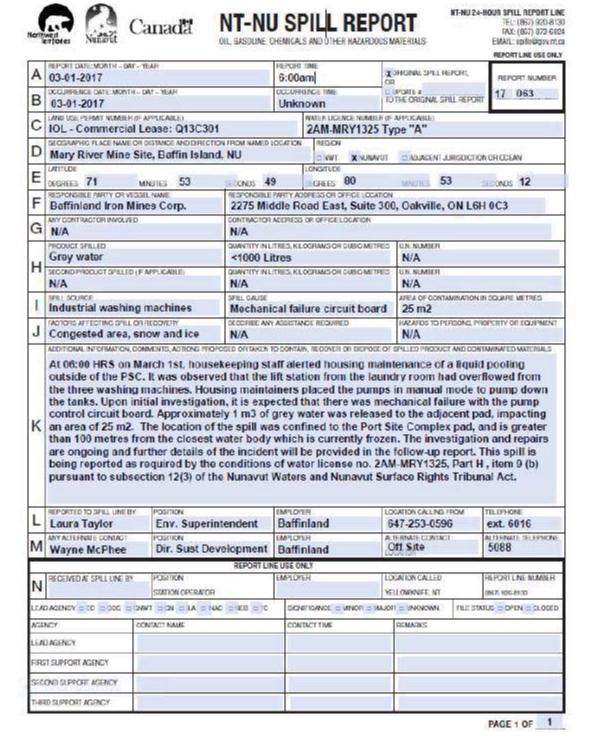


Figure 1 – Map of spill location



Figure 2 - NT-NU Spill report 17-063





April 2, 2017

Resource Management Officer Nunavut Field Operations Indigenous and Northern Affairs Canada Box 100 Iqaluit, NU X0A 0H0 Justin.Hack@aandc-aadnc.gc.ca Director, Major Projects Qikiqtani Inuit Association P.O. Box 219 Iqaluit, NU X0A 0H0

Re: Follow-up to Spill #17-068, Reported on March 04, 2017 Mary River Project - Water Licence No. 2AM-MRY1325

## **Summary:**

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

# Immediate and Follow-Up Action:

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

#### Recommendations:

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

#### **Current Status:**

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

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

Prepared By: Reviewed by:

Connor Devereaux Laura Taylor

Environmental Coordinator Environmental Superintendent

Attach: Map, NT-NU Spill Report

Come Dung

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





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



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





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

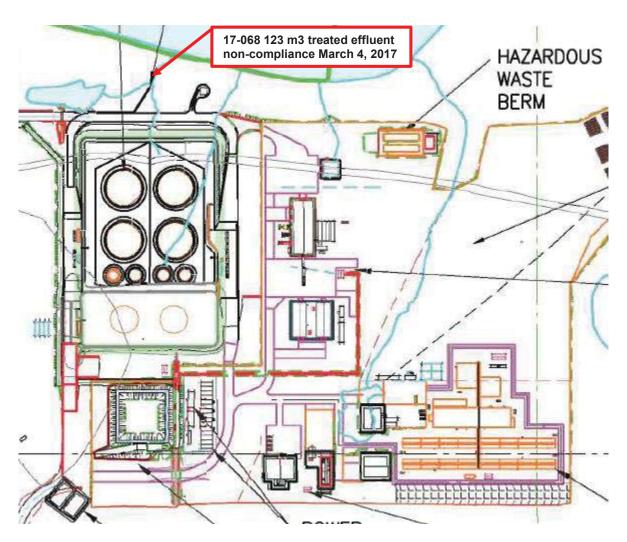


Figure 1 – Map of non-compliance location



# Canada NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

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

									REPORT LINE USE ONLY	
Α	REPORT DATE: MONTH - DAY - YEAR  03-04-2017			18:00 HRS		X	X ORIGINAL SPILL REPORT, OR □ UPDATE #		DEDOOT NUMBER	
	03-04-2017 OCCURRENCE DATE: MONTH	I_DAY_YEAR	1		18:00 HRS				REPORT NUMBER	
В	04-03-2017						THE ORIGINAL SPILL REPORT		17	
С	LAND USE PERMIT NUMBER IOL - Commercia	v.	WATER LICENCE NUMBER		1.0					
_	GEOGRAPHIC PLACE NAME		2AM-MRY1325 Type "A"  ROM NAMED LOCATION REGION							
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G	ANY CONTRACTOR INVOLVE	D		R ADDRESS	OR OFFICE LOCATION	ON				
G	1000		N/A							
27.6	Treated Sewage 120 m3		120 m3	LITRES, KILOGRAMS OR CUBIC METRES			U.N. NUMBER N/A			
Н	SECOND PRODUCT SPILLED (IF APPLICABLE)		Participation of the Control of the	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES			U.N. NUMBER			
	N/A SPILL SOURCE		N/A SPILL CAUSE				N/A			
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70	FACTORS AFFECTING SPILL	DESCRIBE AN	NY ASSISTAL	NCE REQUIRED		HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT				
J	Frozen Condition	N/A	, none as			N/A SPILLED PRODUCT AND CONTAMINATED MATERIALS				
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2.12	ANY ALTERNATE CONTACT	RNATE CONTACT POSITION		EMPLOY		ALT	TERNATE CONTACT	T ALTERNATE TELEPHO		
M	Wayen McPhee Env. Director		or	Baffinland			416-996-5523		Ext 5088	
		Tarana and	REPORT L			l. w				
Ν	RECEIVED AT SPILL LINE BY POSITION STATION OPERATOR		D	EMPLOY	12.00 (1.00		OCATION CALLED ELLOWKNIFE, NT		REPORT LINE NUMBER (867) 920-8130	
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Figure 2 – NT-NU Spill report 17-068