



Submission Date: Nov 11, 2013

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Manager, Major Projects
Qikiqtani Inuit Association
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Iqaluit, NU X0A 0H0
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Re: Follow-up to Spill Reported on Oct 31th, 2013
Mary River Project - Water Licence No. 2AM-MRY1325

Summary:

On October 30th, 2013, at approximately 15:30h, a spill occurred at the Milne Port Sewage Treatment Facility during offloading of a truck transferring waste sewage effluent. During off-loading into the camp's main lift station, the lift station's pump engaged and pumped the contents of the tank over to the Sewage Treatment Plant. The influent screening equipment at the STP overflowed as a result of hydraulic overloading.

Immediate and Follow-Up Action:

The line from the lift station to the STP was immediately closed and resources were deployed to clean up the spill. A conservative estimate of 1000 litres was discharged to the adjacent ground surface. Due to snow cover conditions, much of the effluent was absorbed by the snow which limited the impact area to 15 square meters and allowed for easy clean up. The contaminated snow and effluent was transferred to the Milne Exploration Phase Sewage PWSP (MP-MRY-04a). It was determined that the lift station pump moves higher volumes than the respective pumps in the sewage treatment facility. With this in mind, the floats in the lift station have been moved closer together to pump less volume, although on a more frequent cycle.

Recommendations:

Several corrective items are being investigated; a) install communication between the screening equipment to temporarily turn off the pumps at the lift station when levels are too high; b) install an overflow tank at the lift station so the problem is not backed up to over flow it, and; c) install communication to shut off the water supply to camp along with shutting off the lift station pumps.

Current Status:

One or more of the preferred options, above, will be selected and implemented.



Should you require further information or clarification on the above noted spill, please feel free to contact on Allan Knight or Trevor Myers at (647) 693-9447 or the undersigned at (902) 403-1337.

Sincerely,

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

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

Attach: NT-NU SPILL REPORT
Photos

cc. Michael Anderson, Allan Knight, Trevor Myers, Nicolas Kuzyk, Erik Madsen, 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

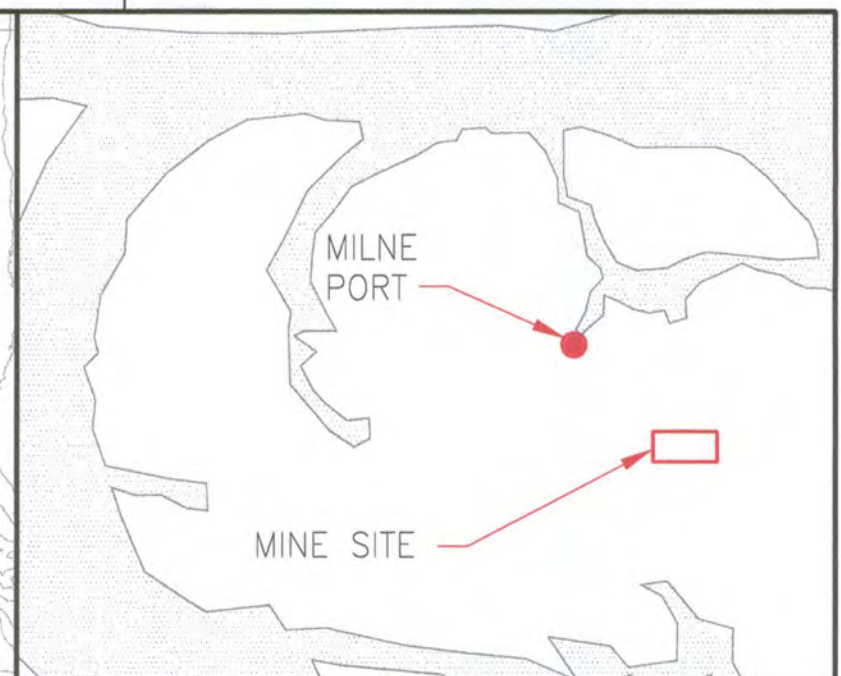
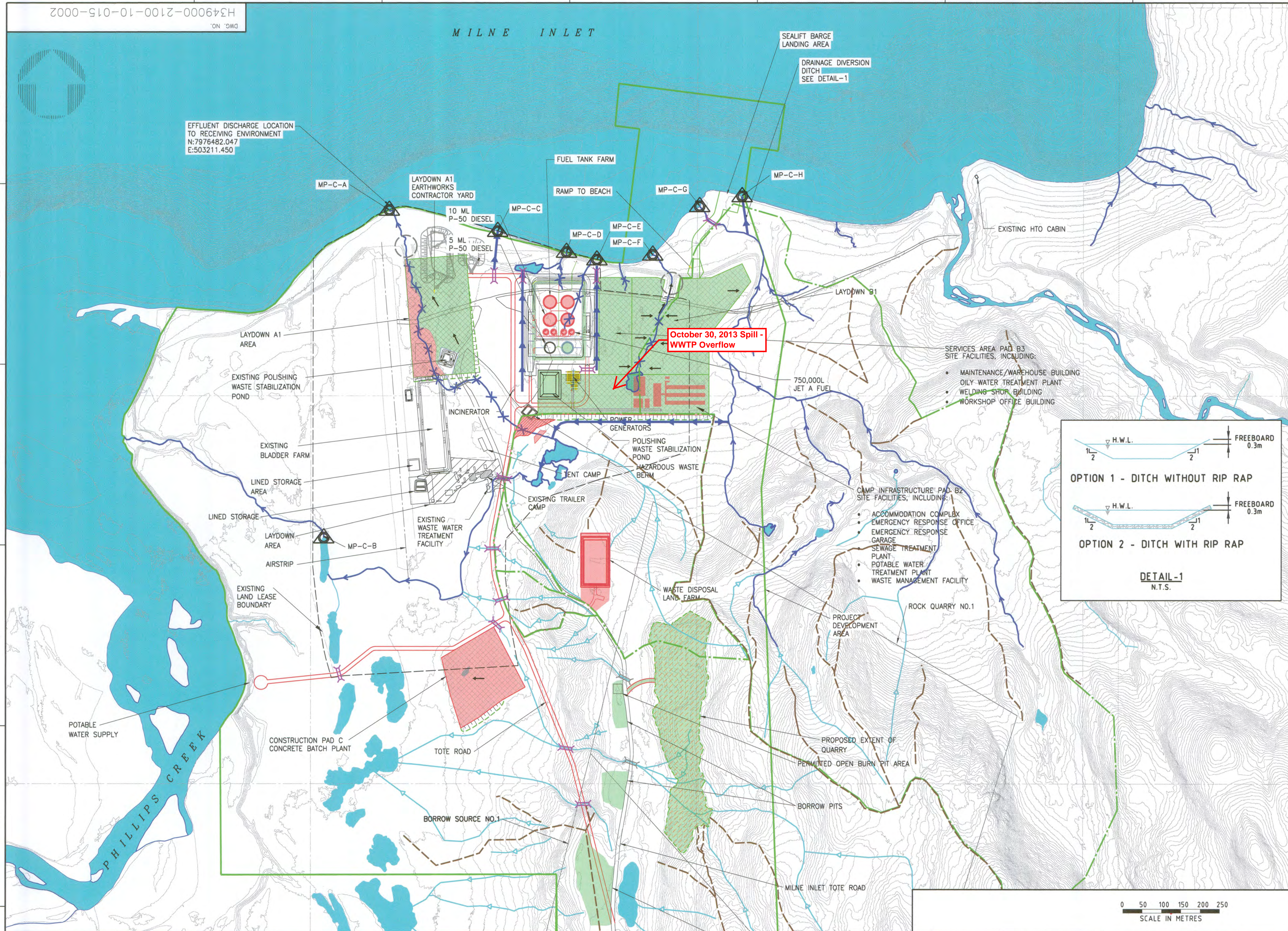
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR		REPORT TIME		<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input type="checkbox"/> UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____-_____
	B OCCURRENCE DATE: MONTH – DAY – YEAR		B OCCURRENCE TIME			
C	LAND USE PERMIT NUMBER (IF APPLICABLE)			WATER LICENCE NUMBER (IF APPLICABLE)		
	D GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION				D REGION	
E	LATITUDE			LONGITUDE		
	DEGREES	MINUTES	SECONDS	DEGREES	MINUTES	SECONDS
F	RESPONSIBLE PARTY OR VESSEL NAME		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION			
	G ANY CONTRACTOR INVOLVED		G CONTRACTOR ADDRESS OR OFFICE LOCATION			
H	PRODUCT SPILLED		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
	SECOND PRODUCT SPILLED (IF APPLICABLE)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
I	SPILL SOURCE		SPILL CAUSE		AREA OF CONTAMINATION IN SQUARE METRES	
	J FACTORS AFFECTING SPILL OR RECOVERY		J DESCRIBE ANY ASSISTANCE REQUIRED		J 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					
L	REPORTED TO SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLING FROM	TELEPHONE	
	M ANY ALTERNATE CONTACT	POSITION	EMPLOYER	ALTERNATE CONTACT LOCATION	ALTERNATE TELEPHONE	

REPORT LINE USE ONLY

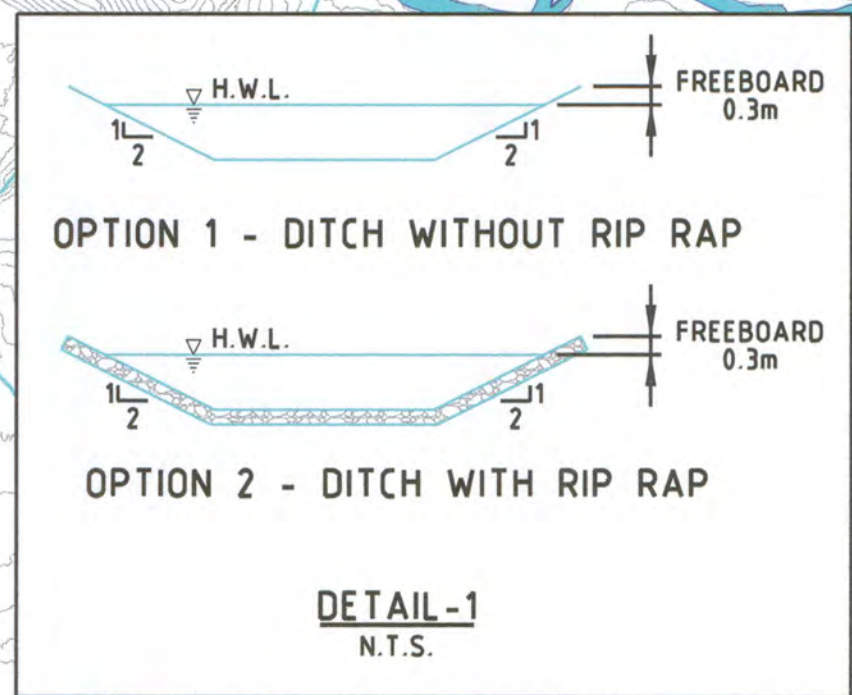
N	RECEIVED AT SPILL LINE BY	POSITION	EMPLOYER	LOCATION CALLED	REPORT LINE NUMBER
		STATION OPERATOR		YELLOWKNIFE, NT	(867) 920-8130
LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> 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					



KEY PLAN

LEGEND

- WATER
- PROPOSED QUARRY
- LAYDOWN AREA (CONSTRUCTION PHASE)
- ADVANCED EXPLORATION UNDER EXISTING TYPE 'B' WATER LICENSE
- EARLY WORKS (MAY TO JULY 2013) UNDER NEW TYPE 'B' WATER LICENSE (IN PROCESS)
- CONSTRUCTION PHASE UNDER FUTURE TYPE 'A' WATER LICENSE (JULY TO DECEMBER 2013)
- POTENTIAL DEVELOPMENT AREA
- BAFFINLAND'S COMMERCIAL LEASE ON INUIT OWNED LAND
- EXISTING DRAINAGE
- EXISTING DRAINAGE (TO BE DIVERTED)
- SURFACE DRAINAGE DIVERSION
- INTERNAL SURFACE DRAINAGE
- OVERLAND FLOW PATH
- RIDGE LINE (HIGH POINT)
- CATCHMENT AREA
- PROPOSED CULVERT
- EXISTING CULVERT (LOCATION APPROXIMATE)
- PROPOSED ROAD
- EXISTING ROAD
- WATER QUALITY MONITORING LOCATION (MP-C-)
- H.W.L. HIGH WATER LEVEL
- WATER DIVERSION BERM
- WATER DIVERSION DAM
- RAISED ELEVATION FOR WATER DIVERSION
- POTENTIAL SEDIMENTATION POND LOCATION (IF REQUIRED)



- NOTES:**
- TOPOGRAPHY PROVIDED BY TERRAPOINT CANADA INC.
 - COORDINATE GRID IS SHOWN IN UTM (NAD 83) ZONE 17 AND IS IN METRES
 - CONTOURS ARE IN METRES. CONTOUR INTERVAL IS 1.5 METRES.
 - AS-CONSTRUCTED INFORMATION PROVIDED BY GENIVAR IN 2008.

DRAWING NO.	DRAWING TITLE
1	REFERENCE DRAWINGS

NO.	DESCRIPTION	BY	CHK'D	APP'D	DATE
1	REVISIONS				



NO.	DESCRIPTION	BY	CHK'D	APP'D	DATE
1	FOR PERMITTING	SH	MM	2013-03-28	

HATCH

DESIGNED BY: K. FALLAH
DATE: 2013-03-28
CHECKED BY: A. MOHIEBKHANI
DATE: 2013-03-28
PROJ. DES. GROUP: T. THERTELL
DATE: 2013-03-28
PROJ. MGR.: S. PERRY
DATE: 2013-03-28

DRAWN BY: M. MCDONALD
DATE: 2013-03-28
DISCIP. ENGR.: S. HASSAN
DATE: 2013-03-28
PROJ. ENGR.: J. CLELAND
DATE: 2013-03-28

Baffinland

MARY RIVER PROJECT

MILNE PORT
SITE LAYOUT
DRAINAGE PLAN

DWG. NO. H349000-2100-10-015-0002

SCALE: 1:5000 OR AS NOTED

REV. A

c:\proj\projectwise\mcd04322\dwg\m349000-2100-10-015-0002.dgn
28/03/2013 11:46:21 AM
mcd04322



Figure 1. Sewage spill at Sewage treatment plant



Figure 2. Sewage spill cleaned-up