

May 25, 2011

David Hohnstein
Director Technical Services
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0
dts@nunavutwaterboard.org

INCIDENT REPORT
2AM-DOH0712 – Discharge of Run-off Water

Dear Mr. Hohnstein;

As per my message of today, please find enclosed a spill report form and an incident report relating to the discharge of run-off water reported to the NT-NU Spill Line on May 23, 2011. We have also provided this information to the INAC Inspector.

As indicated in the incident report, we will advise of the composition of the released run-off water and the upstream and downstream samples once the results are received from the laboratory.

In the meantime, please do not hesitate to contact me or Chris Hanks, Director, Environment and Social Responsibility if you have any questions about this event.

Sincerely,



Angela Holzapfel
Manager of Environmental Compliance
Hope Bay Mining Ltd.



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-23-2011	REPORT TIME 22:40	<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 May-22-2011	OCCURRENCE TIME ~10:00 am			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KTCL308D003	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-DOH0713			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Hope Bay, NU. 125 km SW from Cambridge Bay		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES MINUTES SECONDS		LONGITUDE DEGREES MINUTES SECONDS		
F	RESPONSIBLE PARTY OR VESSEL NAME Hope Bay Mining Ltd	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION #300, 889 Harbourside Dr, North Vancouver, BC, V7P 3S1			
G	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
H	PRODUCT SPILLED other-possible contaminated wate	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER na		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
I	SPILL SOURCE pollution control pond	SPILL CAUSE	AREA OF CONTAMINATION IN SQUARE METRES		
J	FACTORS AFFECTING SPILL OR RECOVERY Water soaked into tundra	DESCRIBE ANY ASSISTANCE REQUIRED none required	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS The product spilled is runoff water from the waste rock pad that was collected in the pollution control pond. Investigation is in progress and updated information will be available on May 24, 2011. This information will be forwarded when the investigation is complete.				
L	REPORTED TO SPILL LINE BY Angela Holzapfel	POSITION Compliance Manager	EMPLOYER Hope Bay Mining	LOCATION CALLING FROM Doris Camp	TELEPHONE (604)759-4710
M	ANY ALTERNATE CONTACT	POSITION	EMPLOYER	ALTERNATE CONTACT LOCATION	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					



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A	REPORT DATE: MONTH – DAY – YEAR May-23-2011	REPORT TIME 22:40	<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input checked="" type="checkbox"/> UPDATE # 01 TO THE ORIGINAL SPILL REPORT		REPORT NUMBER _____
B	OCCURRENCE DATE: MONTH – DAY – YEAR May-22-2011 and May-23-2011	OCCURRENCE TIME intermittent			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KTCL308D003	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-DOH0713			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Hope Bay, NU. 125 km SW from Cambridge Bay		REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 68 MINUTES 08 SECONDS 09		LONGITUDE DEGREES 106 MINUTES 36 SECONDS 29		
F	RESPONSIBLE PARTY OR VESSEL NAME Hope Bay Mining Ltd	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION #300, 889 Harbourside Dr, North Vancouver, BC, V7P 3S1			
G	ANY CONTRACTOR INVOLVED	CONTRACTOR ADDRESS OR OFFICE LOCATION			
H	PRODUCT SPILLED other-possible contaminated wate	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 291 cubic metres (total)	U.N. NUMBER na		
	SECOND PRODUCT SPILLED (IF APPLICABLE)	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES	U.N. NUMBER		
I	SPILL SOURCE pollution control pond	SPILL CAUSE	AREA OF CONTAMINATION IN SQUARE METRES under investigation		
J	FACTORS AFFECTING SPILL OR RECOVERY Water soaked into tundra	DESCRIBE ANY ASSISTANCE REQUIRED none required	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS The product spilled is runoff water from the waste rock pad that was collected in the pollution containment pond. The event occurred during construction of the pollution containment pond, when water began accumulating at the toe of the pond walls, while installation of the HDPE liner was in progress. Full Incident Report to follow.				
L	REPORTED TO SPILL LINE BY Angela Holzapfel	POSITION Compliance Manager	EMPLOYER Hope Bay Mining	LOCATION CALLING FROM Doris Camp	TELEPHONE (604)759-4710
M	ANY ALTERNATE CONTACT	POSITION	EMPLOYER	ALTERNATE CONTACT LOCATION	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					



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REPORT LINE USE ONLY

A	REPORT DATE: MONTH – DAY – YEAR May-23-2011		REPORT TIME 22:40		<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input checked="" type="checkbox"/> UPDATE # 02 TO THE ORIGINAL SPILL REPORT		REPORT NUMBER _____	
B	OCCURRENCE DATE: MONTH – DAY – YEAR May-22-2011 and May-23-2011		OCCURRENCE TIME intermittent					
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KTCL308D003			WATER LICENCE NUMBER (IF APPLICABLE) 2AM-DOH0713				
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Hope Bay, NU. 125 km SW from Cambridge Bay				REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN			
E	LATITUDE DEGREES 68 MINUTES 08 SECONDS 09			LONGITUDE DEGREES 106 MINUTES 36 SECONDS 29				
F	RESPONSIBLE PARTY OR VESSEL NAME Hope Bay Mining Ltd		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION #300, 889 Harbourside Dr, North Vancouver, BC, V7P 3S1					
G	ANY CONTRACTOR INVOLVED		CONTRACTOR ADDRESS OR OFFICE LOCATION					
H	PRODUCT SPILLED other-possible contaminated wate		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 291 cubic metres (total)			U.N. NUMBER na		
	SECOND PRODUCT SPILLED (IF APPLICABLE)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES			U.N. NUMBER		
I	SPILL SOURCE pollution control pond		SPILL CAUSE unapproved discharge			AREA OF CONTAMINATION IN SQUARE METRES under investigation		
J	FACTORS AFFECTING SPILL OR RECOVERY Water spread on tundra		DESCRIBE ANY ASSISTANCE REQUIRED none required			HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS The product spilled is runoff water from the waste rock pad that was collected in the pollution containment pond. The event occurred during construction of the pollution containment pond, when water began accumulating at the toe of the pond walls, while installation of the HDPE liner was in progress. Full Incident Report Attached.							
L	REPORTED TO SPILL LINE BY Angela Holzapfel		POSITION Compliance Manager		EMPLOYER Hope Bay Mining		LOCATION CALLING FROM Doris Camp	
							TELEPHONE (604)759-4710	
M	ANY ALTERNATE CONTACT		POSITION		EMPLOYER		ALTERNATE CONTACT	
							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								

May 25, 2011

INCIDENT REPORT
2AM-DOH0712 – Discharge of Run-off Water

As per the requirements of the Doris North Type A Water Licence, HBML is currently constructing a sedimentation pond and a pollution control pond which are designed to receive water runoff and seepage from the camp laydown pads and the mill, ore and waste rock storage pads, respectively. The scheduled completion date for these ponds was June 1, 2011. The high density polyethylene (HDPE) liner was scheduled to be installed starting on May 21, 2011. The water treatment system for the pollution control pond was scheduled for installation in late-June 2011.

On May 21, 2011 it was noted that run-off water had begun to flow within the pollution containment pond due to earlier than expected warming temperatures and melting snow. This run-off water began to accumulate along the inside toe of the pollution containment pond walls, in the key trench that was excavated to key-in the HDPE liner. Installation of the HDPE liner requires dry conditions to allow for fusing the seams. In an attempt to remove the run-off water from the pollution control pond to complete the required HDPE liner seam welding, the run-off water was pumped into the adjacent incomplete sedimentation pond.

The incomplete sedimentation pond was unable to prevent water flowing back into the pollution control pond. To keep the pollution control pond dry to complete the liner installation, on May 22 and 2011 the run-off water was discharged from the pollution control pond onto the rock apron on the south side of the Doris all-weather road, which is the permitted discharge point for the sedimentation pond. As per the 2010 Interim Water Management Plan submitted by HBML in December 2010, this is the location for discharge of treated sedimentation pond water that meets the discharge criteria. The discharge point is located approximately 20 m from the sedimentation pond in a gently sloping area between the Doris all-weather road and a snow berm running parallel to the road.

In total, 291 m³ of run-off water was released. Discharge ceased in the late evening of May 23, 2011 and a preliminary event notification was issued to the NT-NU Spill Line.

Water samples have been collected from the pollution control pond and are currently being analyzed by ALS Laboratories in Yellowknife, NT. In situ water sampling using a field water quality meter, measuring pH, conductivity, salinity and total dissolved solids, was also completed on May 24 and 25, 2011. Measurements were recorded for the water within the pollution control pond, in areas of the tundra near the discharge location, and reference locations.

Water samples and in situ field measurements were collected at one additional upstream isolated location and approximately 400 m downstream near the point where the drainage enters Doris Lake. HBML will advise of the composition of the released run-off water and the upstream and downstream samples once the results are received from the laboratory. A diagram will follow with the laboratory results indicating sampling locations.

Two further days of construction are required to complete the installation of the HDPE liner in the pollution control pond. To keep the pond dry during construction, runoff water is being pumped to the mill, ore and waste rock pads, where it will naturally seep back into the pollution control pond after a period of time while the liner installation continues. When the pond construction is complete, the collected water can be analyzed and treated, if necessary, prior to discharge.

A handwritten signature in dark ink, appearing to read 'A. Holzapfel', is positioned above the printed name.

Angela Holzapfel
Manager of Environmental Compliance
Hope Bay Mining Ltd.