

DE BEERS GROUP

December 08, 2021

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Nahum Lee
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North Slave Regional Office
Department of Lands
Government of the Northwest Territories
140 Bristol Avenue, Yellowknife, NT X1A 3T2

Subject: Follow-Up Spill Report – Hydraulic Oil – Gahcho Kué Mine – November 25, 2021 (GNWT Spill #2021479)

Pursuant to Part H Condition 3(d) of Water License MV2005L2-0015, De Beers Canada Inc. (De Beers) is submitting this follow-up spill report for GNWT Spill #2021479, which occurred at the Gahcho Kué Mine at 02:45 on November 25, 2021.

An NT-NU Spill Report was completed and submitted via email to the NWT Spills Hotline (spills@gov.nt.ca) at 09:00 on November 25, 2021.

Incident Summary:

On November 25, 2021 at approximately 2:45 am, SH-003 was digging in the Tuzo Pit. The operator noticed sign of an oil leak on the tracks there were no audible or visual low hydraulic warnings from VHMS, he backed away from the dig face, shut the unit down and called for the running repair tech to come and have a look for the source of the leak. Upon arriving at SH-003 in the Tuzo Pit the technician identified that the source of the hydrocarbon release was a loose fitting in the hydraulic pump room. The fitting is located at or behind PTO 1 and connects directly to the pilot pressure filter head. The fitting was tightened, and the unit was filled with 750 litres of AST 20 hydraulic oil.

Immediate Actions:

The shovel (SH-003) was shut down, source of release was identified and spill remediation was started. On board clean up of hydrocarbons was completed and unit was returned to service. The contaminated material was removed and loaded out to the Type 3 Area of the West Mine Rock Pile.

Root Cause:

The low hydraulic level warning was not functional and testing of this circuit was not included in recent PM packages. The fitting that came loose was not identified as a risk during the last PM outage.

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Follow-Up Actions:

The following preventative actions were identified during the internal investigation:

Ensure that electrical check sheets are included in electrical PM package for 1000-hour PM.

Should you have any questions or concerns, or require any additional information, please do not hesitate to contact the undersigned at your convenience.

Sincerely,



Allan Knight
Environmental Coordinator / Gahcho Kué Mine
867.679.5812
allan.knight@debeersgroup.com

Attachments:

Figure 1. Location of GNWT Spill #2021479

Figure 2. Photos GNWT Spill #2021479

Figure 3. Clean Up Photos GNWT Spill #2021479

Figure 4. Original Spill Report (GNWT Spill #2021479)

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Figure 1. Location of GNWT Spill #2021479

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Figure 2. Photos GNWT Spill #2021479

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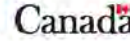


Figure 3. Clean Up Photos GNWT Spill #2021479

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NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND
OTHER HAZARDOUS MATERIALS



NT-NU 24-HOUR SPILL REPORT LINE
Tel: (867) 920-8130 • Email: spills@gov.nt.ca

REPORT LINE USE ONLY

A	Report Date: 11 25 21	Report Time: 9:00 am	<input checked="" type="checkbox"/> Original Spill Report		Report Number: 2021479
	B	Occurrence Date: 11 25 21	Occurrence Time: 2:45 am	<input type="checkbox"/> Update # _____ to the Original Spill Report	
C	Land Use Permit Number (if applicable): MV2021D0009		Water Licence Number (if applicable): MV2005L2-0015		
D	Geographic Place Name or Distance and Direction from the Named Location: De Beers Group (Canada) Gahcho Kue Mine (Kennady Lake, NT)			Region: <input checked="" type="checkbox"/> NT <input type="checkbox"/> Nunavut <input type="checkbox"/> Adjacent Jurisdiction or Ocean	
E	Latitude: 63 Degrees 26 Minutes 32 Seconds		Longitude: 109 Degrees 11 Minutes 55 Seconds		
F	Responsible Party or Vessel Name: De Beers Group		Responsible Party Address or Office Location: Suite 300 - 1601 Airport Road NE, Calgary Alberta Canada T2E 6X8		
G	Any Contractor Involved:		Contractor Address or Office Location:		
H	Product Spilled: <input type="checkbox"/> Potential Spill Hydraulic Oil	Quantity in Litres, Kilograms or Cubic Metres: 750L	U.N. Number:		
I	Spill Source: Komatsu PC5500 Shovel (SH-003)	Spill Cause: Loose Fitting	Area of Contamination in Square Metres: 7 sq. m.		
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: On November 25, 2021 at approximately 2:45 am, the shovel operator noticed oil on the track and called for mobile maintenance. A hydraulic fitting at the pilot control filter head had come loose. The fitting was tightened up and the machine was refilled with 750L of hydraulic oil. On board cleanup of hydrocarbons was completed and unit was returned to service. The contaminated material was removed and loaded out to the Type 3 Area of the West Mine Rock Pile. A follow up report will be submitted within 30 days detailing the root cause and corrective actions of this event.				
L	Reported to Spill Line by: Allan Knight	Position: Env. Coordinator	Employer: De Beers	Location Calling From: Gahcho Kue Mine	Telephone: (867) 679-5812
M	Any Alternate Contact: Mason Elwood	Position: Env. Coordinator	Employer: De Beers	Alternate Contact Location: Off Site	Alternate Telephone: (867) 679-5814
REPORT LINE USE ONLY					
N	Received at Spill Line by:	Position:	Employer:	Location Called:	Report Line Number:
Lead Agency: <input type="checkbox"/> EC <input type="checkbox"/> CCG/TCMSS <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> AANDC <input type="checkbox"/> NEB <input type="checkbox"/> Other: _____			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 4. Original Spill Report (GNWT Spill #2021479)