

DE BEERS GROUP

GAHCHO KUÉ MINE - 2022 WINTER ROAD CARRIER ORIENTATION

December 2021

PUBLIC

GAHCHO KUÉ SPUR ROAD OVERVIEW



- The Spur road is built and operated by De Beers Canada Inc. and Mountain Province Diamonds, its JV partner, as part of the Gahcho Kué mine's annual winter road resupply program.
- Road access:
 - Access to the Spur Road is from the TCWR at approximately KM 295. It begins at MacKay Lake and ends at Kennady Lake near the Mine site.
 - Spur Road Facts:

| | |
|-------------------------|-----------------------|
| • Distance: | 120 km long (approx.) |
| • # of portages: | 28 portages (14 km) |
| • Snowpack on portages: | >10cm |
| • Target portage width: | 10 m |
| • Target lake width: | 40 m |
| • Operating season: | February to March |
- Road contractor: Nuna Deton' Cho Winter Road Services JV
 - Nuna operates the Margaret Lake camp and constructs and maintains the road.
- Security: Scarlet Security
 - Security personnel monitor the road to ensure the safety of all Road Users' and compliance to the rules.
- Signage is placed on MacKay Lake (TCWR) leading up to the junction with the GK Spur Road.

Northbound turnoff signage on TCWR



GAHCHO KUÉ SPUR ROAD - RULES



| RADIO CHANNEL: | | LADD 2 |
|------------------------------|----------|----------|
| SPEED LIMITS: | | |
| LAKES | LOADED | 25 KM/HR |
| | UNLOADED | 30 KM/HR |
| PORTAGES | | 30 KM/HR |
| TRAVELLING ON & OFF PORTAGES | | 10 KM/HR |

- Radio Communication
- 'LADD 2' is the designated radio communication channel on the Gahcho Kué Spur Road
- Travel Speeds
- Drivers are required to follow the posted travel speeds while on the GK Spur Road.
- Spacing
- Trucks travelling in the same direction must be at least 500 meters apart.
- Parking
- Do not 'STOP' on lakes unless wildlife are on the road, or an Emergency situation occurs
- Security
- Security can be reach on 'LADD 2" while on the Spur Road.

GAHCHO KUÉ SPUR ROAD – WILDLIFE RIGHT-OF-WAY



Wildlife have the 'Right-of-Way'

- 'STOP' if it is safe to do so.
- If stopped at night due to wildlife presence on the road turn-off bright head lights and leave low beams or running lights on.
 - Avoid using the horn.
 - Remain inside the vehicle.
- Wait for wildlife to pass before continuing route at a reduced speed of 10 km/h.
- Use a radio to report the presence and location of wildlife, and the parked vehicle to other Drivers and to 'Dispatch Office'.
- Complete the 'Wildlife Sightings Log' form upon arrival at Gahcho Kué or Yellowknife 'Dispatch Office'.



GAHCHO KUÉ SPUR ROAD – ARRIVAL AT THE MINE SITE



- The Driver will Establish contact with 'GK Dispatch' at 'Portage 20' for incoming loads.
- The Lead Driver is requested to have the following information on hand:
 - Type and short description of their load(s)
 - Location and estimated time of arrival
 - Information on any other trucks in their convoy
- Drivers are to contact Dispatch when arriving at the Mine Site to coordinate an escort from "the beach" by a Winter Road Marshall.
- The Marshall will escort the drivers to Dispatch or another unloading location at site.
- Drivers will notify 'Dispatch' when they are ready to leave Site and ensure 'Dispatch' acknowledges the correct 'Truck # and time of departure'
- Departing drivers will be escorted to the "beach" by a Winter Road Marshall. Drivers are to call out their driver # once on the ice confirming they have left site.



GAHCHO KUÉ MINE SITE - COVID-19 MEASURES



Measures are in place to minimize the risks posed by COVID-19 from Winter Road truck travel to site.

Key measures include:

DRIVERS

- Will observe all relevant site COVID-19 controls & protocols.
 - Physical distancing, Mask use and good sanitization practices.
- Drivers will be escorted by Site Winter Road Marshalls upon arrival at the mine and up until their departure.
- Will sleep in their tractor if they stay overnight while at the mine.
 - Rooms are available in our Quarantine Dorms on an exceptional basis if required for safety or medical reasons.
- No drivers will be permitted to enter the Main camp facilities unless approved & escorted for medical or safety reasons.
- Drivers will have their own dedicated wash car and entrance to Dispatch and the Driver's Lounge.
- The Driver's lounge will be limited to 10 individuals at any one time with a check-in/out process to ensure compliance.
- Enhanced & scheduled cleaning of the Winter Road Dispatch, Lounge & Wash Car Facilities will be completed.
- Food will be in individual portions and packaged.



GAHCHO KUÉ MINE SITE – HEALTH & SAFETY



- Drivers **MUST** always wear PPE when outside their truck while on Site.

Approved PPE includes:

- CSA approved 'Hard Hat' and liner
- CSA approved 'Steel Toes Work Boots' warm and insulated
- CSA approved 'Safety Glasses'
- 'High Visibility' apparel
- Gloves overlapping coats, - 40 °C or better
- 'Anti-Slip Ice-Cleats' for footing.
- 'Fall Prevention/Protection' must be utilized at heights of 2 meters (6.5 feet) or higher:
- Let the 'Off-Loading Crew' assist with the tie-downs and rigging in instances where a worker would be working over 2 m; they will return it to you.



GAHCHO KUÉ MINE SITE – CARGO OFF-LOADING



- The Marshall will meet Drivers at the GK Site entrance or Dispatch Yard location as confirmed by the Dispatcher.
- Drivers are not to proceed beyond the Dispatch yard without a Marshall to escort them to their offloading location.
- The Marshall will direct Drivers to their specific off-loading point and collect paperwork for 'Dispatch'.
- Drivers will (with assistance from the 'Off-Loading Crew' if required), prepare the load to be handled and remove straps and tie-downs.
- Drivers are required to follow directions from the 'Marshall' or the De Beers Supply Chain Team when it pertains to location for off-load, Safety & Environmental requirements or Emergency Response (ER).
- 'Dispatch' will arrange for any back-haul material with the Driver.
- Drivers are responsible for securing any back-haul loads with assistance from the 'Off-Loading Crew' if required.
- If a truck is parked with the Driver out of the vehicle – wheel chocks must be used.



GAHCHO KUÉ MINE SITE – WEATHER EVENTS & EMERGENCY RESPONSE



REDUCED VISIBILITY

- 'Extreme Winter Conditions' may cause 'White-Out' (WO) conditions. When WO conditions occur, work will be suspended until the WO situation has ended.
- This situation will be communicated to all personnel on Site and will apply to the truck drivers as well.
- Site activities are restricted when visibility is reduced to 300 meters or less, as reduced visibility may hinder the ability to evacuate injured personnel off-site .

EMERGENCY RESPONSE (ER)

On Site:

- The Site 'Emergency Response' (ER) will be communicated over all radio frequencies and directions given on which protocols or procedures are to be initiated.
- There is to be no radio 'Chatter' until the 'Stand Down' call is communicated.

Off-site:

- Drivers are to follow their Company's 'Winter Road Response Plan'



GAHCHO KUÉ MINE SITE – WASTE MANAGEMENT



DOMESTIC WASTE

- Do not litter
- Food waste must remain inside vehicles or buildings
- Do not place any light materials or food in truck boxes

HAZARDOUS WASTE

- Oily rags, soiled drip trays, glycol or any other hydrocarbon waste must be segregated from other waste
- Bring hydrocarbon waste to the 'Dispatch Office' and deposit in 'Hydrocarbon Waste Drum'

WASTE RECEPTACLES are LOCATED at:

- Drivers' 'Facilities & Rest Area' at Gahcho Kué Site
- The 'Off-Loading Crew' can also assist if the off-load area does not have appropriate receptacle



GAHCHO KUÉ MINE SITE – SPILL PREVENTION

SPILL PREVENTION

- ‘Spill Prevention’ is an important component of managing environmental risks on the Winter Road. If we can prevent a spill from occurring, we eliminate the potential for harming the environment.
- Conduct Pre-Op Inspections of Your Vehicle:**
- Regular vehicle inspections are the most effective means of preventing spills. Make sure you check under your vehicle for leaks, inspect hoses and connections where possible, and monitor fluid levels regularly.
- Do Not Operate ‘Leaky’ Vehicles: Vehicles that show signs of drips or leaks **MUST NOT BE OPERATED** until the source of the leak has been determined and repaired.
- Spill Kits/Absorbents:**
- Vehicles must be equipped with spill absorbents. Although spill kits can’t prevent spills, they can improve response time and minimize the impact of spills on the environment.
- Spill trays are to be used while vehicles are parked.

BOUND EDGE

DRIVER'S VEHICLE INSPECTION REPORT
AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS

Plg 1 - Original
Plg 2 - Copy

CARRIER: _____ LOCATION: _____
 DRIVER: _____ DATE OF POST-TRIP: _____ ODOMETER READING: _____
 TRUCK/TRACTOR NO.: _____ TRAILER(S) NO. (S): _____

CHECK ANY DEFECTIVE ITEM AND GIVE DETAILS UNDER "REMARKS" Prt = Pre-Trip, Pot = Post-Trip, RR = Requires Repair

| TRUCK/TRACTOR | | TRAILER | | |
|---------------|---|---|---|---|
| Prt Pot RR | <input type="checkbox"/> Air Compressor <input type="checkbox"/> Air Lines <input type="checkbox"/> Battery <input type="checkbox"/> Belts and Hoses <input type="checkbox"/> Body <input type="checkbox"/> Brake Accessories <input type="checkbox"/> Brakes, Parking <input type="checkbox"/> Brakes, Service <input type="checkbox"/> Clutch <input type="checkbox"/> Coupling Devices <input type="checkbox"/> Deflector/Heater <input type="checkbox"/> Drive Line <input type="checkbox"/> Engine <input type="checkbox"/> Exhaust <input type="checkbox"/> Fly Wheel <input type="checkbox"/> Fluid Levels <input type="checkbox"/> Frame and Assembly | <input type="checkbox"/> Front Axle <input type="checkbox"/> Fuel Tanks <input type="checkbox"/> Generator <input type="checkbox"/> Horn <input type="checkbox"/> Lights <input type="checkbox"/> Head - Stop <input type="checkbox"/> Tail - Dash <input type="checkbox"/> Turn Indicators <input type="checkbox"/> Mirrors <input type="checkbox"/> Muffler <input type="checkbox"/> Oil Level <input type="checkbox"/> Radiator Level <input type="checkbox"/> Rear End <input type="checkbox"/> Reflectors | <input type="checkbox"/> Pot RR <input type="checkbox"/> Safety Equipment <input type="checkbox"/> Fire Extinguisher <input type="checkbox"/> Flags - Flares - Fuseses <input type="checkbox"/> Reflective Triangles <input type="checkbox"/> Spare Bulbs and Fuses <input type="checkbox"/> Spare Seal Beams <input type="checkbox"/> Starter <input type="checkbox"/> Steering <input type="checkbox"/> Suspension System <input type="checkbox"/> Tire Chains <input type="checkbox"/> Tires <input type="checkbox"/> Transmission <input type="checkbox"/> Trip Recorder <input type="checkbox"/> Wheels and Rims <input type="checkbox"/> Windows <input type="checkbox"/> Windshield Wipers <input type="checkbox"/> Other | <input type="checkbox"/> Pot RR <input type="checkbox"/> Brake Connections <input type="checkbox"/> Brakes <input type="checkbox"/> Coupling Devices <input type="checkbox"/> Coupling (King) Pin <input type="checkbox"/> Doors <input type="checkbox"/> Hitch <input type="checkbox"/> Landing Gear <input type="checkbox"/> Lights - All <input type="checkbox"/> Reflectors/Reflective <input type="checkbox"/> Tape <input type="checkbox"/> Tires <input type="checkbox"/> Straps <input type="checkbox"/> Suspension System <input type="checkbox"/> Tarpaulin <input type="checkbox"/> Tires <input type="checkbox"/> Wheels and Rims <input type="checkbox"/> Other |

REMARKS: _____

☐ CONDITION OF THE ABOVE VEHICLE IS SATISFACTORY ☐ ABOVE DEFECTS CORRECTED
☐ ABOVE DEFECTS NEED NOT BE CORRECTED FOR SAFE OPERATION OF VEHICLE

DRIVER'S SIGNATURE UPON COMPLETION OF POST-TRIP: _____ DATE: _____
 MECHANIC'S SIGNATURE: _____ DATE: _____

MARK CLEARLY ALL DAMAGE OR DEFICIENCIES FOUND BY USING THE FOLLOWING SYMBOL(S):
 C = CUT H = HOLE D = DENT BR = BROKEN M = MISSING S = SCRATCH P = PATCHED

LEFT FRONT RIGHT BACK

TOP BOTTOM

INTERIOR FRONT REAR

LEFT RIGHT

FRONT BACK

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GAHCHO KUÉ MINE SITE – SPILL CLEAN-UP / REMEDIATION



SPILL CLEAN-UP / REMEDIATION

Spills must be completely cleaned-up as soon as possible after they occur:

- If your vehicle is involved in a spill, you are responsible for initiating a clean-up immediately. If you require assistance with the clean-up, please let 'Dispatch' know when you call to report the spill, and they will coordinate assistance.
- Spill response equipment, including an emergency response trailer and spill absorbents, are located at both the Gahcho Kué Site and at the Margaret Lake construction contractor's Camp.
- Winter Road Security will have spill response equipment in their vehicles.
- Contaminated snow and ice must be disposed at the Gahcho Kué Site or with your Company's Dispatch.

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SPILL RESPONSE IN 6 STEPS:

- 1 **ASSESS** the area for hazards
- 2 **STOP** the source of the spill and **CONTAIN** the spread, if safe to do so
- 3 Employ measures to **RESTRICT ACCESS** to spill area
- 4 **NOTIFY** the Environment Dept.
- 5 **CLEAN UP** spilled material and any contamination in the surrounding area using available equipment
- 6 **DISPOSE** of spill clean-up materials (rags, PPE, sand, etc.) in labelled containers



