

1. OBJECTIVE

To inform drivers of traffic rules and standards to be applied and respected on Highway 167, specifically, from 'km 552' to 'km 648', in conjunction with **Stornoway Diamond Corporation's** (herein known as Stornoway) **Renard Mine Project.**

2. SCOPE

This procedure applies to all drivers using Highway 167 North of 'km 552' to 'km 648' in conjunction with Stornoway. Highway 167 is located in the James Bay territory and is the responsibility of the Quebec Ministry of Transportation until 'km 552'. Road conditions of Highway 167 are presented on the James Bay Development Corporation website for drivers using the highway network in the territory:

http://www.sdbj.gouv.qc.ca/fr/territoire_baie_james/conditions_routieres/#road11 (see road map section 3.2.1).

3. SPECIFIC ROLES AND RESPONSIBILITIES OF DRIVERS USING HIGHWAY 167 NORTH FROM 'km 552' to 'km 648'

Drivers whose final destination is the Renard Site or who must drive between 'km 552' and 'km 648' on Highway 167 North must send an access application at least 24 hours in advance to (stornowaydiamonds.com). It is mandatory that all vehicles be equipped with a working CB radio.

- Vehicles that travel to the Renard Site must be equipped with an FM radio in addition to a CB radio. Occasional carriers must rent an FM radio or be equipped with a satellite phone (See section 3.6.2).
- It is mandatory to report your position using your CB radio via Channel 10 or 15. Notify your location where signage indicates reduced visibility, clarifying your position using distance indicators (i.e.: truck northbound, 'km 560'). Communication on the air may be either in French or in English.
- If transporting hazardous materials, your presence must be reported by FM radio or satellite phone when passing the Témiscamie River at 'km 404', as well as passing the Eastmain River at 'km 592'. Indicate expected time of arrival at site. If delayed, or must turn around, you must advise the Security Guard at the Stornoway station.

3.1 Speed

- The speed limit is 50 km/h on the Stornoway road portion ('km 552' to 'km 648') and 70 km/h on the MTQ portion ('km 304' to 'km 552'). Adjust speed according to road and weather conditions.
- Bridges are single lane and bidirectional. ONLY ONE VEHICLE at a time may pass.
 When approaching bridges, reduce speed to 15 km/h. Use avoidance areas upstream and downstream from bridges when a vehicle is travelling in the opposite direction and report your location on arrival via CB radio.

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3.2 Traffic

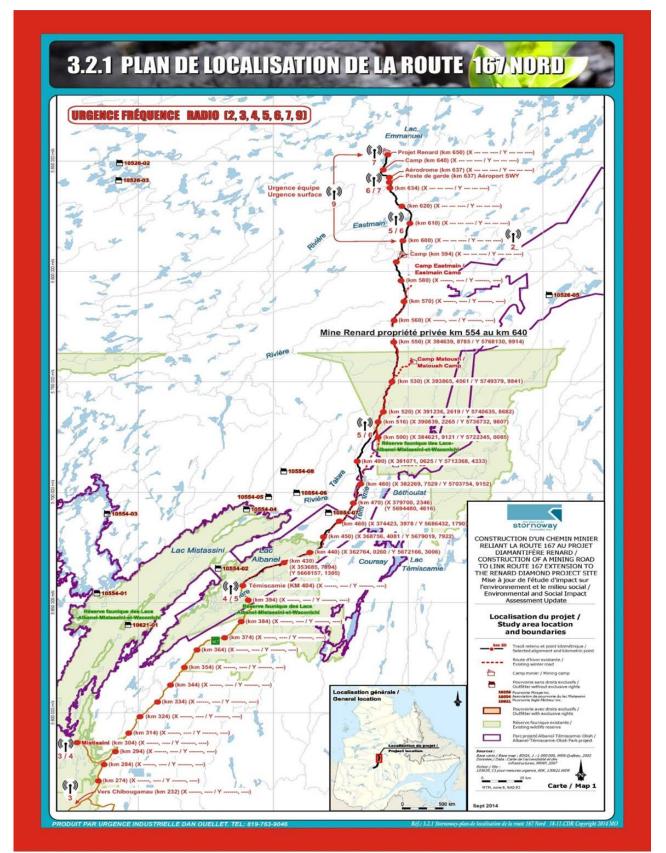
- Respect the right-of-way to: emergency vehicles, snow plows, maintenance vehicles, heavy vehicles and non-standard vehicles.
- If an emergency stop is required, locate a safe area with good visibility upstream and downstream. It is mandatory to use flashing emergency lights and activate the rotating beacon. Ideally, park in designated areas.
- Mandatory usage of escort vehicles for non-standard or oversized transportation.

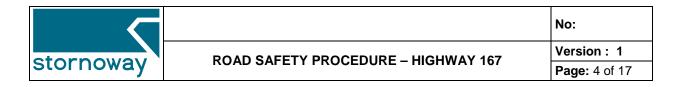


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3.3 Vehicle Safety

Trucks must be equipped with:

- 1. A first-aid kit
- 2. A portable ABC 4.5 kg (10 lbs) fire extinguisher
- 3. A spare tire
- 4. A vehicle in good road condition
- 5. A recovery kit for oil spills for hazardous materials carriers

One ton + vehicles must be equipped with:

- 1. A back-up alarm
- 2. Breakdown (or long stop) equipment for protection from cold weather.

Ensure sufficient fuel reserve on board for return trip. The last service station for fuel is in Mistissini. Refueling at the Renard Site requires authorization PRIOR TO ARRIVAL.

3.4 Firearms and Other Types of Weapons

Transportation, possession and/or use of firearms and/or other weapons are strictly prohibited at the mine or in designated areas, except where authorization has been granted by Stornoway.

3.4.1 Safety Zones

A security zone has been established around the Renard Mine which includes a ban on:

- 1. Fishing
- 2. Hunting
- 3. Trapping
- 4. Use of firearms (except in cases where authorization has been granted by Stornoway).

The security zone forms a perimeter of +/- 1km radius from Renard Mine. Adjustments to security zones will be reviewed by the Renard Committee. (Ref.: Mecheshoo Agreement, March 2012).

3.5 Specific Rules

- Daytime transportation should be prioritized (with snow removal awareness).
- Each user of the road must complete and sign Appendix 1 **PRIOR TO** arrival at the Renard site (compliance with legal loads).
- During the winter season, road surface maintenance is generally performed 24/7.
- Night use of the road is not recommended at all times and more specifically during winter
- If deemed necessary to use the road at night, approval <u>MUST</u> be obtained prior to departure.
- Users must obtain authorization from Stornoway for night use of the road. Such authorization must be requested and approved at least 24 hours in advance of a

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planned trip to or from the mine site. This applies to all vehicles arriving or departing the mine site. Prior to authorizing usage of the road at night, the Security Guard will confirm with Logistics to ensure that use of the road at night is justified. If night use of the road is authorized, all large transportation trucks must have an escort vehicle accompanying them. The escort vehicle must employ a flashing orange strobe light.

- Road conditions are updated hourly.
- Contact the Security Guard during heavy precipitation.
- The Quebec Ministry of Transportation (QMT) reminds heavy vehicle operators and shippers yearly that authorized load limits are reduced during the spring thaw on all public roads, due to lower carrying capacity on the road network during this period. Please refer to QMT instructions for dates in each region.
- In case of EMERGENCY: casualty evacuation, highway accident or mechanical failure, contact the Security Guard as soon as possible. (See section 3.6.3).

3.6 Stornoway Digital Radios

Radio frequencies are associated with distinct coverage areas:

A	VAILABLE CHANNELS	COVERAGE AREAS
1.	RENARD-S1	4 km range simplex frequency from radio to radio
2.	SWY-CONSTRUCTION	Local repeater for the Renard Project Site to (km 600)
3.	SWY BRBO	From Chibougamau (km 232) to Mistissini (km 304)
4.	SWY167 L-JOLIET	From Mistissini (km 304) to Témiscamie (km 404)
5.	SWY167 TAIT	From Témiscamie (km 404) to (km 516)
6.	SWY167 KM516	From (km 516) to (km 610)
		From Renard Site (km 650) to the aerodrome (km 637)
7.	SWY167 RENARD	The SWY167 Renard frequency, the network frequency from the Renard Site to the airport, has a range from Camp Lagopède to Chibougamau.
8.	Team Emergency Surface Emergency	to (km 600) Renard site km 650

Conversations on any given frequency are simultaneously transmitted on other frequencies.

For example: The SWY-CONSTRUCTION frequency covers the area from Camp Lagopède to 'km 600'. If someone at Camp Lagopède speaks on the SWY RENARD frequency, the speaker will be heard on all network repeaters; therefore, you are able to speak from Camp Lagopède to Chibougamau. Pay close attention to the use of these frequencies.

It is the driver's responsibility to change frequencies to track radio coverage on the road.

3.6.1 Frequency Scanning



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- The radio is programmed to scan all frequencies (SCAN).
- It can be activated by pressing the purple button on the portable or P2 mobile button.

3.6.2 FM and CB Radios



150 MHz VHF digital FM radio Entire SWY167 road network includes:

- 1. Chibougamau
- 2. Louis Joliette
- 3. Takwa
- 4. 'km 150'
- 5. Renard Site
- 6. Télésignal in Chibougamau, St-Félicien and Chicoutimi



CB Radio

3.6.3 Important Telephone Numbers and Email Addresses

Stornoway – Security Guard Station: **418-480-9081 or 418-669-4033**

Email: securityreception@stornowaydiamonds.com

EMERGENCY Email: emergency@stornowaydiamonds.com

Renard Project Site - Satellite Phone Number: 1-613-855-9631



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Function	Name	Phone Number	Email
Emergency	SWY Security Agent	418-480-9081/418-669-4033	emergency@stornowaydiamonds.com
Site Security	SWY Security Agent	418-480-9081/418-669-4033	securityreception@stornowaydiamonds.com
Accommodations	SWY Logistics Coord.	450-616-5555, X 6023	lagopede@stornowaydiamonds.com
Road Conditions	MTQ CEO Highway closure conditions 418-646-0338	Québec E3 E3 QUÉBEC 1-1-1	http://www.sdbj.gouv.qc.ca/fr/territoire_baie_james/conditions_routieres/#road11 Carl.Sasseville@mtq.gouv.qc.ca
Highway Safety	Chibougamau Station	URGENCE? Composez le 9-1-1 ou LE 310-4141 Cellulaire *4141	
Health	CH Chibougamau	418-748-2676	
Transporting Casualties	Air Medic	877-999-3322	
Environment	Ministry of Sustainable Development, the Environment and the Fight Against Climate Change	866-694-5454* 819-763-3333 819-763-3202	
Hazardous Materials	Canutec	613-996-6666 or *666 on a cell phone	http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg- gmu/gmu/gmumenu.aspx (French) http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg- gmu/erg/ergmenu.aspx (English)
Site Evacuation /Search	Canadian Armed Forces Trenton	800-267-7270* 613-392-2811	
Highway Safety	Cree Community (Mistassini) Chief's Office Cree Police	418-923-3461 418-923-3278	
Radio rentals: Télésignal Inc. Chibougamau, St-Félicien, Chicoutimi	Marc Savard Research and Development Department Manager	T: 418-679-1176, X 217 F: 418-679-0857 C: 418-515-1464 TF: 877-523-1176 X 217	marc.savard@telesignal.ca

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4. MAINTENANCE PROCEDURE (CLOSURE) OF HIGHWAY 167 NORTH FROM 'KM 552' TO 'KM 648' AND ENTRY PROTOCOL 6-9-1-1

The protocol has been developed by Stornoway, the Mistissini firefighters, Quebec Ministry of Transportation, Sûreté du Québec, Chibougamau ambulance attendants and firefighters, as well as other stakeholders, and is based on stakeholder priorities, various risks and weather conditions.

5. INTERNAL – GENERAL ROLES AND RESPONSIBILITIES

5.1 Security Guard (yellow-lime vest)

	DURING A HIGHWAY INCIDENT		
N°	Duty	Done	
1.	The Security Guard is first in line for deployment in emergency situations and reports to the Asset Protection Supervisor. All emergency calls are dispatched to the Security Guard via the security station on the (SCAN) frequency or EMERGENCY Entry Protocol.	✓	
2.	Receive and prioritize emergency calls and record actions taken on the EMERGENCY Entry Protocol and the Maintenance Procedure (closure) of Highway 167 North from 'km 552' to 'km 648' in the register according to the onduty Mine Site Manager		
3.	Communicate information promptly to internal emergency services according to the EMERGENCY: Emergency Squad, Area Manager, Foreman, or Environment.		
4.	Request external assistance depending on the situation, at the request of emergency internal services, or instructions from the person reporting the incident.		
5.	Notify actions taken to the Emergency Measures Plan Coordinator and the Asset Protection Supervisor.		
6.	Control the entry and exit of staff and emergency vehicles safely and orderly.		
7.	Control access to the site, allowing only the movement of authorized personnel.		
8.	Ensure a sufficient number of people to control the entire site perimeter.		
9.	Control theft and vandalism.		
10.	If required, and according to instructions by the Asset Protection Supervisor, request external police assistance		

5.1 Security Guard (yellow-lime vest) (continued)



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DURING A HIGHWAY INCIDENT		
N°	Duty	Done
IN	Duty	✓
11.	Manage phone system and dispatch calls to affected individuals, prioritizing those related to the emergency.	
12.	Keep the Emergency Measures Coordinator and the Asset Protection Supervisor informed of developments until the end of the emergency.	
13.	Security guards will not provide information to neither the public nor officials.	

AFTER AN INCIDENT		
N°	Duty	Done
1.	Revise operation plans and make necessary improvements.	•
2.	Send an activity report to the Asset Protection Supervisor.	
3.	Participate in emergency drills.	

5.2 Foreman or Designated Member (blue vest)

DURING AN INCIDENT		
N°	Duty	Done ✓
1.	Call (or ask someone to call) individuals who are affected by the emergency via the Security Guard and apply the EMERGENCY Entry Protocol and Maintenance Procedure (closure) of Highway 167 North from 'km 552' to 'km 648'.	
2.	Take note of incident details.	
3.	When required, order the start of the emergency evacuation signal.	
4.	Inform on-duty Mine Site Manager	
5.	Manage shutdown, critical equipment and power sources (i.e: lock-out, "0" power, etc.)	
6.	In cooperation with the emergency brigade, monitor access to the sector by establishing a security perimeter and prohibit entry of unauthorized personnel.	
7.	When required, replace on-duty Mine Site Manager until his/her arrival.	
8.	Regularly inform the Emergency Coordination Centre.	



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AFTER AN INCIDENT		
N°	Duty	Done
1.	Following authorization from the Occupational Health and Safety Supervisor, the Asset Protection Supervisor and the Emergency Brigade Officer, implement re-entry procedures of the premises and return equipment to service. Complete specific report within 24 hours of incident.	·
2.	Ensure staff receive required training on the Emergency Measures Plan.	
3.	Participate in emergency drills.	

5.3 Emergency Vehicle and Staff (red vest)

During incidents, take required means to avoid other incidents on site, namely:

N°	Duty	Done ✓
1.	Park vehicles at reasonable distances from the incident and turn rotating beacon ON.	·
2.	Notify the Security Guard and follow Foreman's instructions.	
3.	Use flares or other emergency equipment to report danger.	
4.	To avoid risk of fire, unplug the damaged vehicle's battery (negative pole first).	
5.	Clear the road as quickly as possible.	
6.	Secure the area.	
7.	Control access to the site following the Asset Protection Supervisor's instructions.	

5.4 Accident with Casualties

N°	Duty	Done ✓
1.	Notify the Security Guard and organize transportation of injured, or, if required, call an ambulance by applying the EMERGENCY Entry Protocol.	
2.	 A driving incident involving wild animals: The driver will notify the Security Guard and wait for instructions from the Asset Protection Supervisor. Asset Protection Supervisor will notify Conservation Officer and follow instructions. Vehicle recovery and its cargo are under the responsibility of the driver or contractor. 	



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5.5 SST Agent

N°	Duty			
	•	✓		
1.	Stop operations in the affected sector.			
2.	Identify access roads.			
3.	Call for required emergency services.			
4.	 Identify materials involved and determine whether or not there has been a leak: Check the product's Material Safety Data Sheet (MSDS) If there are contaminants in the environment, inform the on-duty Environmental Coordinator and all emergency services of the product's related risks. 			
5.	Provide a Security Guard or sign indicating access roads.			
6.	Secure the sector and establish a control perimeter.			
7.	Prohibit transportation of the equipment involved.			
8.	Begin investigation analysis.			
9.	Inform emergency services regarding anyone who has not responded.			
10.	Support emergency teams where required.			
11.	Inform Asset Protection Supervisor and Emergency Measures Plan Coordinator.			
12.	Stop the passage of convoys by applying the maintenance procedure (closure) of Highway 167 North from 'km 552' to 'km 648'.			

5.6 Supply Chain Manager

BEFORE AN INCIDENT				
N°	Duty	Done ✓		
1.	Identify the most appropriate suppliers to play a role in highway transportation.			
2.	Write the road traffic procedure reference on the work order (Highway 167) and ensure drivers are aware of the procedure and fully accept the terms.			



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5.6 Supply Chain Manager (continued)

	DURING AN INCIDENT				
N°	Duty	Done			
1.	Liaise with suppliers to obtain supply services.	•			
2.	Verify whether all activities performed by suppliers comply with requests.				
3.	Compile and control all documents related to activities in the event of a lawsuit or claim.				

	AFTER AN INCIDENT				
N°	N° Duty				
IN	Duty				
1.	Gather the necessary information for insurance claims.				
2.	Participate in emergency drills.				

6. ROLES AND RESPONSIBILITIES – EXTERNAL STAKEHOLDERS

Ref.: 4.7 of the Emergency Response Plan (ERP)	ROLES AND RESPONSIBILITIES – EXTERNAL STAKEHOLDERS			
Outside Ambulance	 Administer first-aid. Evacuate the injured. Participate/collaborate in emergency drills. Participate in information sessions. 			
Public Safety Regional Office	Where required, coordinate contributions of regional resources to municipalities and the site. Inform higher-level provincial authorities.			
Occupational Health and Safety Board (CSST)	 If required, visit emergency scene accompanied by the Guard, SST Coordinator or representative. If required, investigate emergency circumstances. 			
Recovery firm	Recover and destroy contaminants.			
Eeyou Istchee James Bay Regional Government (ERP)	 When needed, intervene in emergency situations on Stornoway properties. Where required, provide Hazmat and fire-related rescue services. Responsible for the safety cover plan. 			



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6. ROLES AND RESPONSIBILITIES – EXTERNAL STAKEHOLDERS (continued)

Ref.: 4.7 of the Emergency Response Plan (ERP)	ROLES AND RESPONSIBILITIES – EXTERNAL STAKEHOLDERS
Ministry of Forestry, Wildlife and Parks Ministry of Sustainable Development, the Environment and the Fight Against Climate Change	 Wildlife Conservation Officer Patrol, inspect and monitor territories to ensure the safety of users, equipment and animals. Observe and enforce wildlife, hunting, fishing and trapping laws and regulations. Prevent poaching, accidents, fires, abuse (authorized quotas). During a traffic accident involving wild animals: The driver advises the Security Agent at Frequency 1 station and waits for instructions from the Camp Leader/Foreman, who notifies a Wildlife Conservation Officer and follows instructions. Environment Provide information on wildlife habitats, hydrology, groundwater, and aquatic toxicity. Advise on environmental impact, clean up and response operation Investigate emergency circumstances.
Ministry of Forestry, Wildlife and Parks	 The Ministry of Forestry, Wildlife and Parks participates in developing policies, programs and projects that directly or indirectly affect Aboriginals on issues that fall within its jurisdiction. It ensures that its actions are consistent with government policy in this area. The Ministry also collaborates with the Aboriginal Affairs Secretariat, which is the state agency whose primary responsibility is to act as the liaison between Aboriginals and the Quebec government.
Quebec Ministry of Transportation 511	 Assist stakeholders during emergency situations. If required, implement a traffic plan. Maintain Highway 167 North until 'km 552'.
City of Chibougamau Fire Department	 Collaborate in fighting fires. Perform search and rescue operations. Participate in training sessions. Participate/collaborate in emergency drills. Note that upon arrival of firefighters from the municipalities of Chibougamau and Mistissini, Stornoway staff will be at their disposal to provide any technical services required.
Sûreté du Québec	The Sûreté du Québec plays a key advisory role in organizing police services in Aboriginal communities. Through its specialized services, it is required to act jointly with municipal and Aboriginal police forces and conduct operations with them.
Transport Canada (Canutec)	Offer advice during incidents involving hazardous materials.

7. PROCEDURE AUDIT AND UPDATE

The procedure can be audited according to the audit schedule provided in HSS 1.17 procedure. Changes will be carried out according to the revised procedure and with appropriate approvals.

8. DOCUMENTS CITED

The following documents were cited or referred to as part of this procedure:

- RPS-HSS-447-1-V3 Emergency Measures Plan.
- HSS5.1.1 Section 11.2. Occupational Health and Safety Prevention Program Renard Project Contractor number
- Mecheshoo Agreement March 17, 2012.

9. REGULATORY REFERENCES OR ADMINISTRATIVE PROVISIONS

- Rules of Governance Stornoway Diamonds (Canada) Inc.
- An Act Respecting Occupational Health and Safety (L.S.S.T.) (S-2.1).
- The Civil Protection Act (S-2.3).
- The Highway Safety Code Chapter C-24.2.

10. REVISION HISTORY

REVISION	DATE	BY:	PURPOSE OF THE CHANGE



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APPENDIX 1 – APPLICATION FOR 24-HOUR ACCESS

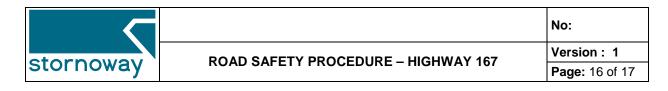
Stornoway – Security Guard Station: 418-480-9081 or 418-669-4033

Email: securityreception@stornowaydiamonds.com

Email: EMERGENCY: emergency@stornowaydiamonds.com

IT IS MANDATORY TO SUBMIT THIS FORM FOR APPROVAL A MINIMUM OF 24 HOURS PRIOR TO ARRIVAL AT THE RENARD MINE SITE.

Application date:			Authoriz	ation/Sec	quence #:	
Company:						
Address:						
Phone number:						
Emergency Contact:						
Vehicle type ar	nd transportat	tion:				
Van: □		Regular flatbed tru	gular flatbed truck: ☐ Non-standard transportation: ☐ With esc		ion: ☐ With escort ☐	
Transportation of	of hazardous n	materials: □ <u>If yes, p</u>	orovide TMD	shipping	document	
 Safety 	goggles: ACN headgear: AC	lothing: ACNOR Z96 IOR Z94.3-07 :NOR Z94.1-08	-09			
Destination:						
Name of driver(s):						
Name(s) of passenger(s):						
License plate n	number(s):					
Required drivir		Authorization/Sequence #:				
Departure time:			Estimated arrival time at site:			
Driver is comm	nitted to comp	olying with legal loa	ad limits (ar	swer ye	s or no):	
Driver's signature:						
SWY Approval:				Date:		



APPENDIX 2 – APPLICATION FOR DEPARTURE

Authorization for departure site:			
Departure date from site:		Authorization/Seque	nce #:
Transportation of hazard	ous materials: □ If yes, p	rovide TMD shipping docu	<u>ument</u>
Estimated arrival time in	Chibougamau:		
Driver's signature:	·		
Name(s) of passenger(s):			
SWY Approval:		Date:	



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APPENDIX 3 – VEHICLE ROAD LOG

Authorization #	Departure: Chibougamau Date & Time	Arrival: Mine Site Date & Time	Departure: Mine Site Date & Time	Arrival: Chibougamau Date & Time	Confirmed Comments