

June 24, 2016

Prince Rupert Gas Transmission Ltd.
450- 1st Street SW
Calgary, Alberta
T2P 5H1

Attention: Prince Rupert Gas Transmission Ltd.

RE: Road Permit

Date of Issuance: June 24, 2016

Transition of Non-Status Roads to OGAA Road Permit under the implementation of OGRR.

Commission No.: 9642043

Road Permit No.: 03222

Road Name: PRGT Murder Creek Road 3222

PERMISSIONS

1. The BC Oil and Gas Commission ("the Commission"), under section 25 (1) of the *Oil and Gas Activities Act* hereby permits the holder to construct and maintain an oil and gas road, subject to the following conditions:
 - (1) The authorization granted under this permit is limited to the area described in ePASS 10054634 as submitted to the Commission in the transition application dated March 02, 2015 (the operating area).
 - (2) Permission to construct is limited to required modifications within the operating area except as otherwise restricted by this permit.
 - (3) Pursuant to Section 138(1) of the *Petroleum and Natural Gas Act*, the permit holder is permitted to enter, occupy and use any unoccupied Crown land located within the operating area to carry out the oil and gas activities authorized under this permit.
 - (4) The permission to occupy and use Crown land expires if this permit expires, or is suspended, cancelled, surrendered or declared spent.

CONDITIONS

2. Within 45 days of this approval, the permit holder must submit a revised ePASS 10054634 to reflect the change in road right of way width.
3. The permit holder must submit the post-construction plan, as per section 11 of the Oil and Gas Road Regulation, as an ePASS shape file and PDF plan accurately identifying the location of the total area actually disturbed under this permit, unless there will be no change to the operating area and ePASS shape file submitted as part of the application.
4. The permit holder will immediately effect, and keep in force while occupying the operating area, insurance of an amount not less than \$1,000,000 protecting the Province, the Commission and the permit holder (without any rights of cross-claim or subrogation) against claims for personal injury, death, property damage, or third party liability claims arising from any accident or occurrence on the operating area.

5. The permission to occupy and use Crown land does not entitle the permit holder to exclusive possession of the area.
6. The rights granted by this permit in relation to unoccupied Crown land are subject to all subsisting grants to or rights of any person made or acquired under the *Coal Act*, *Forest Act*, *Land Act*, *Mineral Tenure Act*, *Petroleum and Natural Gas Act*, *Range Act*, *Water Sustainability Act* or *Wildlife Act*, or any extension or renewal of the same.
7. The permit holder must not assign, sublicense or permit any person to use or occupy unoccupied Crown land within the operating area, other than its employees, contractors, or representatives, without the Commission's written consent.
8. A notice of construction start must be submitted to the Commission a minimum of 72 hours prior to the construction of activities under this permit. Notification must be sent to OGC.ExternalNotifications@bcogc.ca.
9. The permit holder must ensure that any Crown land within the operating area is maintained in a condition so as to minimize hazards, including but not limited to hazards associated with storage of materials and equipment.
10. The permit holder must ensure that any Crown land within the operating area is maintained free of garbage, debris and unused equipment.
11. Prior to commencement of any ground disturbing activities, the permit holder must have an archaeological overview assessment completed by a qualified professional and complete any applicable archaeological impact assessments, based on the recommendations of the qualified professional.
12. The permit holder must restrict all activities to the previously cleared road right of way. Where new cut is required, the permit holder must submit an amendment application to request authorization to clear new area.
13. Following initial construction, stream crossings are authorized for necessary road modification or maintenance activities on the operating area except for
 - (1) construction or replacement of a bridge or major culvert on a S1, S2, S3 or S5 stream;
 - (2) installation of a closed bottom structure in a fish bearing stream; or
 - (3) excavation or grading of a stream bank or stream bed.
14. Stream crossings must be constructed, maintained and deactivated according to the following requirements, as applicable:
 - (1) Only bridges, culverts, ice bridges or snow fills may be constructed at stream crossings;
 - (2) Snow fills must consist of clean snow and may only be located on streams that are dry or frozen to the bottom during the period of construction, maintenance and use. Where periodic thaws are anticipated, culverts must be installed to allow meltwater to pass through. Snow fill and any installed culverts must be removed prior to spring snow melt;
 - (3) Ice bridges on fish bearing streams may only be constructed where sufficient water depth and stream flows prevent the bridge structure from coming in contact with the stream bottom;
 - (4) Water applied to construct an ice bridge on a water body must be sourced in accordance with the *Water Sustainability Act* unless
 - (a) the water body is a stream with a stream channel width of at least 5 metres and is not designated as a sensitive stream under the *Fish Protection Act*, or has a riparian class of W1, W3, or L1,
 - (b) the water is sourced from the same water body proximal to the location on which the ice bridge is constructed,
 - (c) the water body is not within the boundaries of a public park,


- (d) pump intakes do not disturb beds of streams or wetlands except as necessary for the safe installation and operation of equipment, and are screened with a maximum mesh size and approach velocity in accordance with the Fisheries and Oceans Canada Freshwater Intake End-of-Pipe Fish Screen Guideline, and
 - (i) where the water body is a stream, the flow of water in the stream at the time and location of pumping exceeds 60 litres per second and the instantaneous pumping rate does not exceed 1% of the water flowing in the water body at the time and location the pumping occurs, or
 - (ii) where the water body is a lake or pond, the cumulative volume of water withdrawn does not exceed 10 cm of lake or pond depth, calculated as the product of lake or pond surface area x 10 cm;
- (5) Water applied to construct an ice bridge on a water body must be sourced in accordance with the *Water Sustainability Act* unless
 - (a) the water body is a stream with a stream channel width of at least 5 metres and is not designated as a sensitive stream under the *Fish Protection Act*, or has a riparian class of W1, W3, or L1,
 - (b) the water is sourced from the same water body proximal to the location on which the ice bridge is constructed,
 - (c) the water body is not within the boundaries of a public park,
 - (d) pump intakes do not disturb beds of streams or wetlands except as necessary to ensure safe installation and operation of equipment, and are screened with a maximum mesh size and approach velocity in accordance with the Fisheries and Oceans Canada Freshwater Intake End-of-Pipe Fish Screen Guideline, and
 - (i) where the water body is a stream, the flow of water in the stream at the time and location of pumping exceeds 60 litres per second and the instantaneous pumping rate does not exceed 1% of the water flowing in the water body at the time and location the pumping occurs, or
 - (ii) where the water body is a lake or pond, the cumulative volume of water withdrawn does not exceed 10 cm of lake or pond depth, calculated as the product of lake or pond surface area x 10 cm;
 - (e) records of water withdrawal and corresponding streamflow measurements are maintained by the permit holder and provided to the Commission upon request;
- (6) In-stream activities within a fish bearing stream, lake or wetland must occur:
 - (a) During the applicable reduced risk work windows as specified in the Skeena Region Reduced Risk In-stream Work Windows and Measures,
 - (b) In accordance with alternative timing and associated mitigation recommended by a qualified professional and accepted by the Commission, or
 - (c) In accordance with an authorization or letter of advice from Fisheries and Oceans Canada that is provided to the Commission;
- (7) Bridge or culvert abutments, footings and scour protection must be located outside the natural stream channel and must not constrict the channel width;
- (8) Equipment used for activities under this authorization must not be situated in a stream channel unless it is dry or frozen to the bottom at the time of the activity.

15. Wetland crossings must be constructed, maintained and removed in accordance with the following:

- (1) Organic cover within and adjacent to the wetland must be retained;
 - (2) Minimize erosion or release of sediment within the wetland;
 - (3) Any padding materials must be placed on the wetland surface only and must not be used for infilling;
 - (4) Any padding materials must be removed as soon as practicable following construction, considering weather and ground conditions; and
 - (5) The wetland, including banks and bed, must be restored, to the extent practicable, to the condition that existed before the crossing was initiated.
16. The permit holder must notify Wilps Gwiyeehl a minimum of five (5) days prior to commencement of initial use of road.
 17. The permit holder must notify Wilps Kliiyem Lax Haa a minimum of five (5) days prior to commencement of initial use of road.

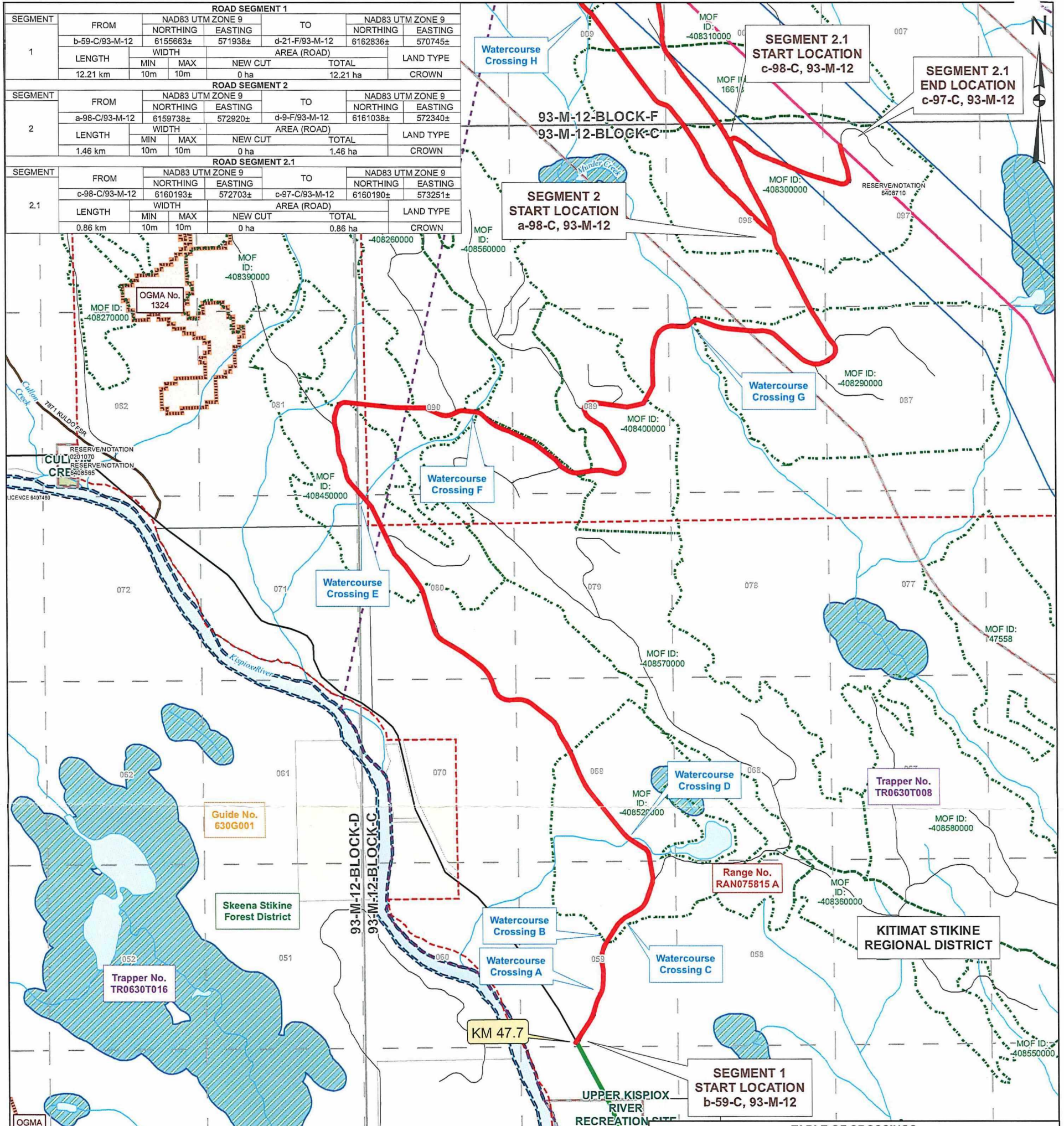
ADVISORY GUIDANCE

1. The permit holder must construct, maintain and deactivate the road in accordance with the Oil and Gas Road Regulation.
2. The permit holder must not close or restrict the use of the road except as provided for in the Oil and Gas Road Regulation.



Justin Anderson
Authorized Signatory
Commission Delegated Decision Maker

pc: Roy Northern Land Service Ltd.
Commission File: 9642043
First Nations: XGGG, XSSE



Proposed Features:	New Cut	Existing Clearing	Total
PROPOSED ROAD UPGRADE	0.00 ha	14.53 ha	14.53 ha
TOTAL CROWN LAND DISTURBANCE	0.00 ha	14.53 ha	14.53 ha

Road Segment Group 9-11	River / Creek
Existing Access	Lakes
PRGT Proposed Route	Wetlands
Environmental Assessment Area	MOF Opening
Forest Service Road (FSR)	FTA Cutblock
Road / Trail	Range Tenure
Trapper Boundary	Old Growth Management Area (OGMA)
Guide Boundary	Titled - Private Land
Right of Way	Titled - Crown Land
Licence	Park, Protected Area, Recreation Site
Reserve/Notation	

Notes
 -The proposed project is not within the Agricultural Land Reserve (ALR).
 -UTM coordinates shown are NAD83 Zone 9 N.
 -The proposed project is within the South West OGC Zone.
 -Distances shown are in meters and decimals thereof.

McElhanney
 8808 72nd Street
 Fort St. John, BC, V1J 6M2
 Tel: 250-787-0356
 Job: 3111-22807
 ePASS#: 10050775

Caribou Range: None
 Coal License: None
 Community Forest: None
 Guide / Outfitter: LARSON, Clint
 Mineral Reserve: None
 Range Tenure: ALLEN, John
 Trappers: TR0630T008 & TR0630T016
 Tree Farm License: None
 Ungulate Winter Range: None
 Wildlife Habitat Area: None
 Wildlife Tree Retention Area: None
 Wood Lot: None

No	DESCRIPTION	NORTHING/EASTING	DRAWING
A	Proposed Culvert - No Stream Channel	N 6155917± E 572066±	No Plan Req'd
B	Existing Culvert - Clean out Ends	N 6156202± E 572112±	No Plan Req'd
C	Proposed Culvert - Class TBD	N 6156296± E 572187±	No Plan Req'd
D	Existing Culvert - Clean out Ends	N 6156683± E 572212±	No Plan Req'd
E	Existing Crossing - No Work Required	N 6158393± E 570868±	No Plan Req'd
F	Existing Crossing - No Work Required	N 6158833± E 571422±	No Plan Req'd
G	Proposed Clear Span Bridge Old Bridge Has Been Removed	N 6159289± E 572506±	4776-02-ML-06-PLN-80600 TO 80603
H	Crossing Requires Field Review -If No Existing Crossing: Proposed Clear Span Bridge	N 6160855± E 571988±	No Plan Req'd

Prince Rupert Gas Transmission Project

PRINCE RUPERT GAS TRANSMISSION LTD

SKETCH MAP SHOWING PROPOSED TRANSITION ROADS TRANSITION GROUP 9-11

Segment 1 FROM b-59-C, 93-M-12 TO d-21-F, 93-M-12
 Segment 2 FROM a-98-C, 93-M-12 TO d-9-F, 93-M-12
 Segment 2.1 FROM c-98-C, 93-M-12 TO c-97-C, 93-M-12

THROUGH UNSURVEYED CROWN LAND CASSIAR DISTRICT SKEENA STIKINE FOREST DISTRICT

Page 1 of 1

REVISION	DESCRIPTION
1	Issued for Use March 10, 2015

SCALE 1:20,000 Paper size to scale: 11 x 17

Route Reference: IFC Route 9003
 Document No.: T9-11_OGC_20k_1
 March 10, 2015

9642043