



OGC File: 9638452

October 5, 2013

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

Attention: Surface Land Administrator

Re: Geotechnical Investigation Permit- Section 14 over Crown Land, Peace River District.

Date of Issuance: October 5, 2013
Commission File No: 9638452
Applicant File No: 130316

PERMISSIONS

The Oil and Gas Commission ("Commission") hereby authorizes the holder of permit number 9638452, under section 14 of the *Land Act*, to allow Prince Rupert Gas Transmission Ltd. (the "permit holder") to occupy Crown land within the areas described as:

1. Crossing No. 5 in the attached construction plan Ref. No. 130402SK01R4, Revision 4, dated August 7, 2013 as submitted to the Commission in the permit application dated August 12, 2013;
2. Crossing No. 213 in the attached construction plan Ref. No. 130403SK01R3, Revision 3, dated August 7, 2013 as submitted to the Commission in the permit application dated August 12, 2013;
3. Crossing No. 231 in the attached construction plan Ref. No. 130398SK01R3, Revision 3, dated August 7, 2013 as submitted to the Commission in the permit application dated August 12, 2013;

(hereinafter referenced together as the "Site"), to conduct appraisals, inspections, analyses, inventories, surveys or other investigations under Authorization Number 941629, subject to conditions set out below.

CONDITIONS

1. The permit holder may use and occupy the Site only for the purposes of investigating the site for potential oil and gas activities and related activities as defined in the *Oil and Gas Activities Act*.

2. The total disturbance within the Site must not exceed:
 - a. 0.59 Ha. for Crossing No. 5
 - b. 0.32 Ha. for Crossing No. 213
 - c. 0.26 Ha. for Crossing No. 231
3. The permit holder will indemnify the Province of British Columbia (the Province) and the Oil and Gas Commission against all losses, damages, costs and liabilities arising out of any breach or non-performance of any condition or agreement set out in this Permit and any personal injury, death or property damage occurring within the Site, or happening by virtue of its occupation of the Site, and the amount of such losses, damages and costs shall be payable to the Province or the Oil and Gas Commission immediately.
4. The permit holder will immediately effect, and keep in force while this Permit is in effect, 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 or public liability claims arising from any accident or occurrence on the Site.
5. The permit holder will restore the site to the satisfaction of the Oil and Gas Commission following expiration or cancellation of this Permit.
6. The authorization to occupy and use Crown land does not entitle the permit holder to exclusive possession of the Site. The permit holder will not interfere with any person found on the Site who has a public right of access over the Site or is using the Site pursuant to a prior or subsequent *Land Act* disposition.
7. The rights granted by this permit are subject to all subsisting grants to or rights of any person made or acquired under the *Coal Act*, *Forest Act*, *Mineral Tenure Act*, *Petroleum and Natural Gas Act*, *Range Act*, *Water Act* or *Wildlife Act*, or any extension or renewal of the same, any prior dispositions made under the *Land Act*, and the exceptions and reservations of rights and interests under Section 50 of the *Land Act*.
8. The permit holder will acknowledge and agree that any interference with rights granted under this permit by virtue of the exercise or operation of the rights or interests set out in the Sections (6) or (7) above shall not constitute a breach of the Province's or the Commission's obligations under this permit and the permit holder will release and discharge the Province and/or the Commission from any claim for loss or damage arising directly or indirectly out of any such interference. The permit holder will also agree to pay all costs and expenses that arise out of the permit holder's interference with the rights or interests set out in Sections (6) or (7) and that the permit holder will not commence or maintain proceedings under Section 65 of the *Land Act* with respect to interference with the permit holder's rights arising out of exercise or operation of the rights set out in Sections (6) or (7).
9. The permit holder must pay to the Province, when due, the Fees to the address and in accordance with the instructions set out in the attached covering letter.
10. The permit holder must not assign or sub-tenure this Permit. The permit holder must not transfer this permit without the Commission's written consent, which consent may be granted or withheld at the Commission's sole discretion.
11. This permit expires two years from the date of issuance.

12. The permit holder must notify the Commission prior to commencing activities under this permit. Notification may be sent to C&E@bcogc.ca.
13. If artifacts, features, materials or things protected under section 13(2) of the Heritage Conservation Act are identified the permit holder must, unless the permit holder holds a permit under section 12 of the Heritage Conservation Act in respect of that artifact, feature, material or thing:
 - a. immediately cease all work in the vicinity of the artifacts, features, materials or things;
 - b. immediately notify the Archaeology Branch of FLRNO and the Commission; and
 - c. refrain from resuming work in the vicinity of the artifacts, features, materials or things except in accordance with an appropriate mitigation plan that has been prepared in accordance the Heritage Conservation Act, endorsed by a qualified archaeologist, and approved by the Archaeology Branch.
14. If a Culturally Modified Tree, other than a Culturally Modified Tree that is considered an artifact, feature, material or thing protected under section 13(2) of the Heritage Conservation Act, is identified, the permit holder must:
 - a. immediately cease all work in the vicinity of the Culturally Modified Tree;
 - b. immediately notify the Archaeology Branch and the Commission; and
 - c. refrain from resuming work in the vicinity of the Culturally Modified Tree except in accordance with an appropriate mitigation plan that has been approved by the Archaeology Branch.
15. For any portion of the development area that has not been subject to archaeological assessment, an Archaeological Impact Assessment (AIA) must be completed prior to any clearing and construction activities taking place in that portion of the development area.

If an archaeological site is recorded as a result of an AIA, the permit holder must immediately submit the AIA report to the Archaeology Branch and Commission, and must not conduct any clearing or construction work in the vicinity of the site except in accordance with an appropriate mitigation plan that has been approved by the Archaeology Branch.

If no archaeological site is recorded during such AIA, the permit holder must submit the AIA report to the Archaeology Branch and Commission as soon as practicable, in accordance with the Commission's Archaeology Process Guidelines.
16. Within 60 days of the completion of the clearing phase of the activity authorized, the permit holder must submit to the Commission a Post-construction plan as an ePASS shape file accurately identifying the locations of the overall disturbance within the Site.
17. The permit holder must abide by and comply with all applicable laws, bylaws, orders, directions, ordinances, and regulations of any government authority having jurisdiction in any way affecting its use or occupation of the Site, including, without limitation, the provisions of the *Land Act* and the provisions of this Permit.

CUTTING PERMIT AUTHORIZATION

Pursuant to section 47.4 of the *Forest Act*, the Commission hereby issues Cutting Permit No. 1, under Master License to Cut number M02370, Peace Forest District, to cut and remove timber from the areas of Crown land within the area within the Site subject to the following conditions:

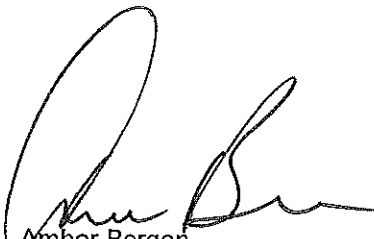
1. This Cutting Permit expires 2 years from the date of issuance of the Investigative Permit or the revised date should this permit be extended.
2. This Cutting Permit is subject to the terms and conditions in the Master Licence to Cut.
3. All harvested Crown timber must be marked with Timber Mark Number MTA 039.
4. The felling, bucking and utilization specifications in the Master License to Cut apply to this Cutting Permit.
5. Stumpage under this cutting permit is required to be paid to the Crown and will be determined with the Ministry of Forests Interior Appraisal Manual.
6. Timber that is stored in decks or piles must be marked with the correct timber mark before transportation, or at the end of every shift. The marking must be applied to one end of at least 10% of the timber pieces in each deck or pile using a hammer indentation or paint. Marking must be kept concurrent with decking.
7. In accordance with the Master Licence to Cut referenced above, "Within 60 days of completing operations on a cutting permit, the Licensee shall submit to the Commission a map showing all disturbances that have occurred pursuant to that Cutting Permit, at a scale of 1:20,000 or 1:50,000."
8. The utilization of merchantable timber is not mandatory for this permit.
9. Prior to harvesting, any clearing authorized by this Cutting Permit must be clearly defined on the ground by ribboning or blazing.
10. This permit authorizes a maximum total new cut area of:
 - a. 0.59 Ha. for Crossing No. 5
 - b. 0.32 Ha. for Crossing No. 213
 - c. 0.26 Ha. for Crossing No. 231

ADDITIONAL CONDITIONS

1. This permit does not authorize works on private land.
2. Topsoil stripping, ditching and road bed construction are not permitted within the site.
3. The Permit holder is advised that a Conservation Data Centre (CDC) rare species occurrence polygon (blue listed vascular plant- Dainty Moonwort) exists within the program area. Polygon data can be viewed on the Terrestrial Information of BC website at: <http://www.env.gov.bc.ca/cdc/access.html>. Questions about the polygon information presented on this website can be directed to the Conservation Data Centre at 1-800-663-7867.

4. The Oil and Gas Commission recommends the Permit holder notify Halfway River First Nation office prior to project commencement.
5. The Oil and Gas Commission recommends the Permit holder notify the McLeod Lake Indian Band office prior to project commencement.
6. The Oil and Gas Commission recommends the Permit holder notify the Saulteau First Nation office prior to project commencement.
7. The Oil and Gas Commission recommends the Permit holder notify the West Moberly First Nations office prior to project commencement.

The attached plan(s) form an integral part of this authorization.














Amber Bergen
Natural Resource Officer

pc: digital copy: Ronnie_robinson@transcanada.com, Amanda@roynorthernbc.com

pc: FLNRO – Peace

pc: Halfway River First Nation, McLeod Lake Indian Band, Saulteau First Nation, West Moberly First Nations

LEGEND:

Investigative Area Centerline: 
 Proposed 1.5m Geophysical Trail: 
 PRGT Helicopter Staging Area: 
 Existing roadway: 
 Seismic line/trail: 
 Watercourse: 
 Cutblock: 
 Guide / Outfitter: 
 Trapper: 
 Riparian: 
 Crossing: 

Caribou: Yes
 Coal: None
 Community Forest: None
 Guide / Outfitter: Yes
 Mineral Reserve: None
 Quarry: None
 Grazing Range Tenure: None
 Trapper: Yes
 Tree Farm License: None
 Ungulate Winter Range: None
 Wildlife Habitat Area: None
 Wildlife Tree Retention Area: No
 Wood Lot: None

Cutblock data is confirmed using information from the Government of BC websites for Forest MapView and iMapBC. Information from these sources can be subject to change without notice. Focus Surveys (FCS Land Services Limited Partnership) and its employees take no responsibility for accuracy or completeness of this information.

NOTES:

Project to be flagged at time of construction.
 Distances shown are in metres and decimals thereof.
 Contours are shown at 20m intervals.
 This project is not within the Agricultural Land Reserve

This plan represents the best information available at the time of survey. Focus Surveys (FCS Land Services Limited Partnership) and its employees take no responsibility for the location of any underground conduits, pipes, or other facilities whether shown on or omitted from this plan. All underground installations should be located by the respective authorities prior to construction.

Unsurveyed

CUTBLOCK
WEST FRASER MILLS
A13840

WEST FRASER MILLS
ROAD R06778 A

PRGT HELICOPTER
STAGING AREA
N: 6157974 E: 508664

Kennedy Siding
Caribou Herd

Crown

Land

DATUM: NAD83
PROJECTION: UTM ZONE10

PANG GROUP 93-O-10

Prince Rupert
Gas Transmission Project

 **TransCanada**
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SKETCH PLAN SHOWING PROPOSED GEOTECHNICAL
INVESTIGATIVE PROGRAM (CROSSING No. 231)
WITHIN UNITS 62, 63, 72, BLOCK D, 93-O-10

Unsurveyed Crown Land, Peace River District

100 0 100 200 300 400 500

The intended plot size of this plan is 432mm in width by 280mm in height when plotted at a scale of 1: 7500 (use B size sheet)

BCGS: 93O.056

Geotechnical Investigative Program Footprint Total Area = 8.25 ha			
AREA WITHIN CROWN LAND			
CROSSING No. 231			
PROPOSED FEATURE	NEW CUT	EXISTING CLEARING	TOTAL
Borehole Loc'n #1	0.12 ha	0.00 ha	0.12 ha
Geoph Trail (S1)	0.07 ha	0.00 ha	0.07 ha
Geoph Trail (S2)	0.07 ha	0.00 ha	0.07 ha
TOTAL AREAS	0.26 ha	0.00 ha	0.26 ha
Geotechnical Investigative Area = 8.25ha			

5	(S2) 0+483	End of Proposed Geophysical Trail	N: 6156504 E: 506017	TCPL
4	(S2) 0+000	Start of Proposed Geophysical Trail	N: 6156796 E: 506401	TCPL
3	(S1) 0+483	End of Proposed Geophysical Trail	N: 6156817 E: 506429	TCPL
2	(S1) 0+103	Watercourse (To Be Classified)	N: 6157072 E: 506709	ILMB
1	(S1) 0+000	Start of Proposed Geophysical Trail	N: 6157146 E: 506779	TCPL
No.	STATION	DESCRIPTION	NAD 83 UTM ZONE10	OWNER

TABLE OF CROSSINGS

PROPOSED
GEOPHYSICAL
TRAIL (S2)
1.5 x 483m (0.07ha)

PROPOSED BOREHOLE
LOCATION #1
35 x 35m
BH-BGC-WKP118.5
N: 6156813 E: 506410

PROPOSED GEOTECHNICAL
INVESTIGATIVE AREA
50 & 100m Width (8.25 ha Total)
Crown: 8.25 ha

PROPOSED
GEOPHYSICAL
TRAIL (S1)
1.5 x 483m (0.07ha)

Trapper
7317002

GUIDE
701222

N: 6157146
E: 506779

N: 6157112
E: 506815

30m Riparian
Reserve Zone
20m Riparian
Management Zone

30m Riparian
Reserve Zone
20m Riparian
Management Zone

OPENING #10
93O056

FOCUS
FCS Land Services Limited Partnership
10716 - 100th Avenue Fort St John BC
V1J 1Z3 250.787.0300 www.focus.ca

FOCUS:
ePASS: 130398SK01R3
10043481
SHEET: 1 of 1
REV. 3

9638452

