



December 9, 2013

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

Attention: Ronnie Robinson

RE: Temporary Occupation of Crown Land - Geotechnical Investigation Permit
Geotechnical Investigation Location: Crossing 254 Unit 90, Block K & Unit 81, Block L 93-0-9 and Crossing 255 Units 41,42,51,52, Block L
Date of Issuance: December 9, 2013
Commission File No: 9638716

AUTHORIZATIONS

Temporary Occupation of Crown Land Permit under section 14 of the Land Act

1. The Oil and Gas Commission hereby authorizes the holder of permit number 9638716, under section 14 of the Land Act, to temporary occupy and use Crown land for the purpose of constructing and operating a Geotechnical Investigation, under Authorization Number 941804, subject to the following:
 - i. The authorization granted under this permit is limited to the area described in construction plan number FOCUS: 130522SK01R3, Revision 4
FOCUS: 130522SK02R4, Revision 4, dated August 20, 2013 as submitted to the Commission in the permit application dated August 23, 2013.
 - ii. In the event a heritage site, heritage object, or any other feature, place or material that may contain historical or archaeological value as defined by the Heritage Conservation Act [RSBC 1996] Chapter 187 is encountered, the permit holder must cease disturbance activities and immediately notify the Oil and Gas Commission.
 - iii. The permit holder will indemnify the Province of British Columbia (the "Province") and the 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 on the site or happening by virtue of the permit holder's occupation of the site, and the amount of such losses, damages and costs shall be payable to the Province or the Commission immediately.
 - iv. The permit holder will immediately effect, and keep in force while occupying the site, 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.
 - v. The authorization to occupy and use Crown land does not entitle the permit holder to exclusive possession of the area. The permit holder will not interfere with the activities of another person entering on and using the area under a prior or subsequent Land Act disposition.
 - vi. 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.

- vii. 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 Sections (v) or (vi) 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 (v) or (vi) 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 (v) or (vi).
- viii. The permit holder must pay, when due, the Fees to the address set out in the attached covering letter.
- ix. The permit holder must not assign, sublicense or transfer this Permit without our written consent.
- x. The permit holder must notify the Commission 48 hours prior to commencing construction.
- xi. This permit expires two years from the date of issuance.
- xii. 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 identifying the location of the total area actually cleared under this permit.

Cutting Permit under Master Licence to Cut under section 47.4 of the Forest Act

1. The Commission hereby issues Cutting Permit No. 3, under Master Licence to Cut number M02370, Forest District PEACE subject to the following conditions:
 - i. This Cutting Permit applies to only the Crown Land portion of the construction plan associated with this Geotechnical Investigation Permit (construction plan number FOCUS: 130522SK01R3, Revision 4 FOCUS: 130522SK02R4, Revision 4, dated August 20, 2013).
 - ii. All harvested Crown timber must be marked with Timber Mark Number MTA 109.
 - iii. This Cutting Permit expires 2 years from the date of issuance of the Geotechnical Investigation Permit or the revised date should this permit be extended.
 - iv. This Cutting Permit is subject to the terms and conditions in the Master Licence to Cut.
 - v. The felling, bucking and utilization specifications in the Master Licence to Cut apply to this Cutting Permit.
 - vi. Stumpage is required to be paid under this cutting permit and will be calculated on the gross project area. The amount will be determined upon submission of final as-cleared plans to the Commission and in accordance with the Ministry of Forests Interior Appraisal Manual.
 - vii. 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.
 - viii. In accordance with the Master Licence to Cut referenced above, "Within 60 days of completing operations on a Cutting Permit, the Licencee 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."
 - vix. The utilization of merchantable timber is not mandatory for this permit.
- 2 The utilization of merchantable timber is not mandatory for this permit.

ADDITIONAL CONDITIONS

- 1 An Archaeological Impact Assessment is required for the proposed development area prior to any development activities taking place.

If an archaeological site is recorded as a result of this assessment, a report must be submitted immediately to the Archaeology Branch of FLNRO and Commission and all mitigation measures must be approved by the Archaeology Branch prior to the start of construction.

If no archaeological site is recorded during this assessment, an AIA report is still required and must be submitted to the Archaeology Branch and the OGC as soon as possible as per the Archaeology Process Guidelines.

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 and 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.
- 2 The permit holder notifies Saulteau First Nation Land Use Office prior to commencement of project construction.
 - 3 The permit holder, notify West Moberly First Nations land use office prior to commencement of the project construction.
 - 4
 - a. The operator to clean all garbage and debris from the worksites during and after project completion to avoid attracting wildlife.
 - b. The operator to avoid game trails and habitat in areas of new cuts
 - c. Contact HRFN prior to commencement of the project
 - 5 The total disturbance within the Site must not exceed:
 - a. 0.23 Ha. for crossing No. 254
 - b. 0.31 Ha. for crossing No. 255
 - 6 This permit authorizes a maximum total new cut area of:
 - a. 0.23 Ha. for crossing No. 254
 - b. 0.31 Ha. for crossing No. 255
 - 7 The Permit holder is advised that a Conservation Data Centre (CDC) rare species occurrence polygon (blue listed/ threatened Northern Caribou) 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.



Justin S Anderson
Natural Resource Officer
Permitting and Authorizations - Operations Division

LEGEND:

Investigative Area Centerline:

Proposed Borehole Location:

Proposed Geotechnical Investigative Area:

Proposed 1.5m Geophysical Trail:

PRGT Helicopter Staging Area:

Existing roadway:

Seismic line/trail:

Watercourse:

Cutblock:

Coal Licence / Application:

Quarrying Licence:

Recreation Reserve / Notation:

Road Width Tenure:

Riparian:

Crossing:

Old Growth Management Area:

NOTES:

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

MINERAL/PLACER/COAL RESERVE
Ministry of Energy, Mines
and Petroleum Resources
Tenure #330209

PROPOSED
GEOPHYSICAL
TRAIL (S3)
1.5 x 591m (0.09ha)

PROPOSED GEOTECHNICAL
INVESTIGATIVE AREA
100m Width (6.89 ha Total)
Crown: 6.89 ha

PROPOSED BOREHOLE
LOCATION #1
35 x 35m
BH-BGC-MR2-1
N: 6176735 E: 539313

PROPOSED
GEOPHYSICAL
TRAIL (S1)
1.5 x 11m (0.01ha)

PROPOSED
GEOPHYSICAL
TRAIL (S2)
1.5 x 49m (0.01ha)

MINERAL/PLACER/COAL RESERVE
Ministry of Energy, Mines
and Petroleum Resources
Tenure #1006166

MINERAL/PLACER/COAL RESERVE
Ministry of Energy, Mines
and Petroleum Resources
Tenure #1006175

DATUM: NAD83
PROJECTION: UTM ZONE10

ENVIRONMENT, CONSERVATION, RECREATION
RESERVE / NOTATION
UREP / RECREATION RESERVE
MINISTRY OF FORESTS, LANDS AND
NATURAL RESOURCE OPERATIONS
FILE NUMBER 0237957

TABLE OF CROSSINGS

No.	STATION	DESCRIPTION	NAD 83 UTM ZONE10	OWNER
6	(S3) 0+591	End of Proposed Geophysical Trail	N: 6177067 E: 538810	TCPL
5	(S3) 0+000	Start of Proposed Geophysical Trail	N: 6176742 E: 539297	TCPL
4	(S2) 0+049	End of Proposed Geophysical Trail	N: 6176703 E: 539395	TCPL
3	(S2) 0+000	Start of Proposed Geophysical Trail	N: 6176721 E: 539349	TCPL
2	(S1) 0+011	End of Proposed Geophysical Trail	N: 6176729 E: 539329	TCPL
1	(S1) 0+000	Start of Proposed Geophysical Trail	N: 6176725 E: 539340	TCPL

Geotechnical Investigative Program Footprint Total Area = 6.89 ha

AREA WITHIN CROWN LAND CROSSING No. 254

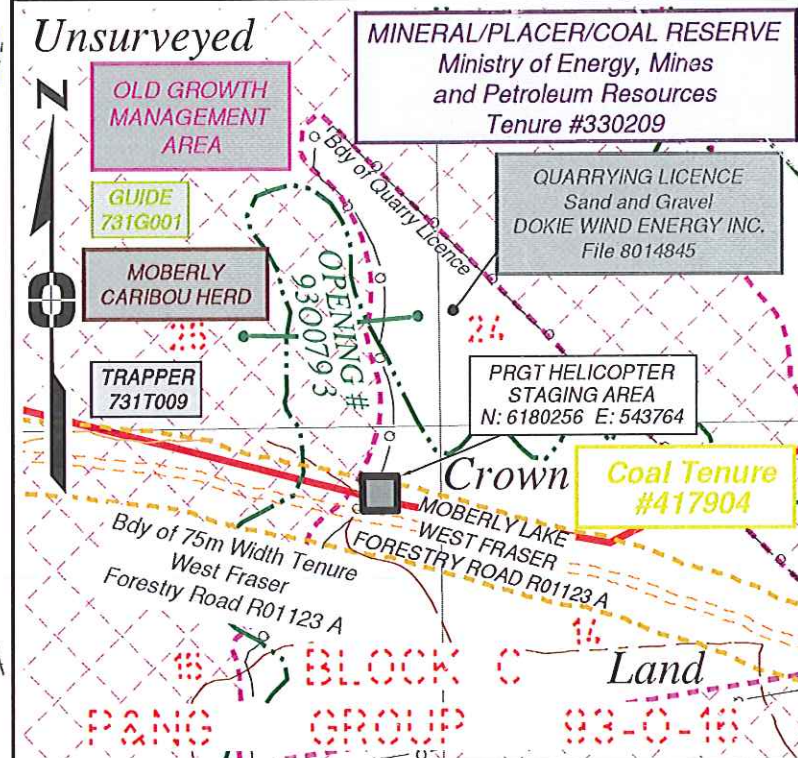
PROPOSED FEATURE	NEW CUT	EXISTING CLEARING	TOTAL
Borehole Loc'n #1	0.12 ha	0.00 ha	0.12 ha
Geoph Trail (S1)	0.01 ha	0.00 ha	0.01 ha
Geoph Trail (S2)	0.01 ha	0.00 ha	0.01 ha
Geoph Trail (S3)	0.09 ha	0.00 ha	0.09 ha
TOTAL AREA/S	0.23 ha	0.00 ha	0.23 ha

Geotechnical Investigative Area = 6.89 ha

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.

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.

HELI STAGING AREA LOCATION MAP SCALE 1 : 7500



Prince Rupert
Gas Transmission Project

TransCanada
In business to deliver

PRINCE RUPERT GAS TRANSMISSION LTD.

SKETCH PLAN SHOWING PROPOSED GEOTECHNICAL
INVESTIGATIVE PROGRAM (CROSSING No. 254)
WITHIN UNIT 90 BLOCK K & UNIT 81 BLOCK L 93-0-9

Unsurveyed Crown Land, Peace River District



The intended plot size of this plan is 432mm in width by 280mm in height when plotted at a scale of 1: 5000 (use B size sheet)

BCGS: 930.079

Rev	Revision Description	Date(Y/M/D)	By
0	Original Plan Prepared	2013/06/07	DC
4	Revised Bundle and ePASS	2013/08/20	TW

FOCUS
FCS Land Services Limited Partnership

10716 - 100th Avenue Fort St John BC
V1J 1Z3 250.787.0300 www.focus.ca

FOCUS: 130522SK02R4
ePASS: 10043623

SHEET: 1 of 1

REV.
4

9638716

8/20/2013 10:56:32 AM

Unsurveyed

MINERAL/PLACER/COAL RESERVE
Ministry of Energy, Mines
and Petroleum Resources
Tenure #328780

Coal Tenure
#417606

MINERAL/PLACER/COAL RESERVE
Ministry of Energy, Mines
and Petroleum Resources
Tenure #330209

TRAPPER
7317009

GUIDE
701222

Body of 75m Width Tenure
West Fraser Mills Ltd.
Forestry Road R01123 A

MOBERLY
CARIBOU HERD

OPENING #4
930.079

HELL STAGING AREA LOCATION MAP SCALE 1 : 7500

Unsurveyed

MINERAL/PLACER/COAL RESERVE
Ministry of Energy, Mines
and Petroleum Resources
Tenure #330209

OLD GROWTH
MANAGEMENT
AREA

QUARRYING LICENCE
Sand and Gravel
DOCKIE WIND ENERGY INC.
File #014845

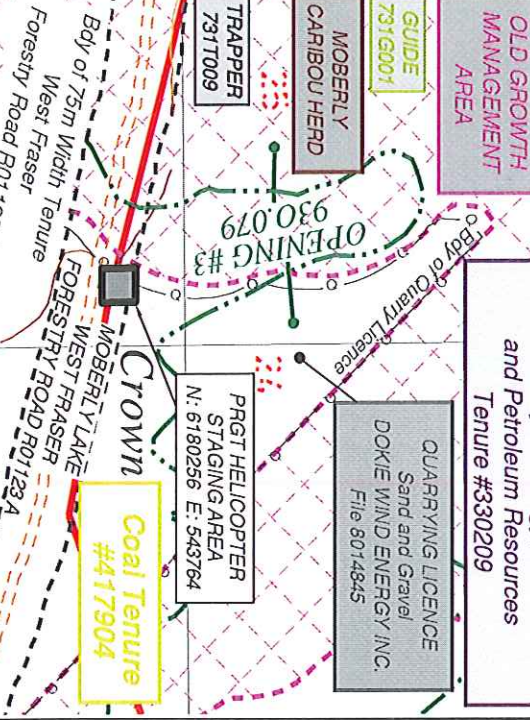
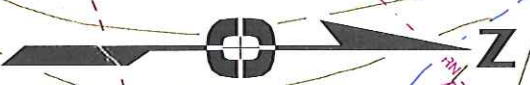
TRAPPER
7317009

GUIDE
731G001

PRGT HELICOPTER
STAGING AREA
N: 6180256 E: 543764

MOBERLY
CARIBOU HERD

OPENING #3
930.079



ENVIRONMENT, CONSERVATION, RECREATION
RESERVE / NOTATION
UREP / RECREATION RESERVE
MFLNRO
FILE NUMBER 0237957

PROPOSED GEOTECHNICAL
INVESTIGATIVE AREA
100m Width (2.71 ha Total)
Crown: 2.71 ha

PROPOSED
GEOPHYSICAL
TRAIL (S1)
1.5 x 159m (0.02ha)

PROPOSED BOREHOLE
LOCATION #2
35 x 35m
BH-BGC-MR3-2
N: 6173250 E: 538398

PROPOSED
GEOPHYSICAL
TRAIL (S2)
1.5 x 219m (0.03ha)

PROPOSED GEOTECHNICAL
INVESTIGATIVE AREA
100m Width (4.08 ha Total)
Crown: 4.08 ha

PROPOSED
GEOPHYSICAL
TRAIL (S3)
1.5 x 153m (0.02ha)

OPENING #1
930.068

RECREATION TRAIL
CHETWIND SNOWMOBILE
TRAIL SYSTEM
REC160647 6

OPENING #6
930.079

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

Caribou: Yes
Coal: Yes
Community Forest: None
Guide / Outfitter: Yes
Mineral Reserve: Yes
Old Growth Management: None
Quarry Licence: Yes
Grazing Range Tenure: None
UREP / Recreation Reserve: Yes
Trapper: Yes
Tree Farm License: None
Ungulate Winter Range: None
Wildlife Habitat Area: None
Wildlife Tree Retention Area: None
Wind Tenure: None
Wood Lot: None

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LEGEND:

Investigative Area Centreline:

Proposed Borehole Location:

Proposed Geotechnical Investigative Area:

Proposed 1.5m Geophysical Trail:

PRGT Helicopter Staging Area:

Existing roadway:

Watercourse:

Cutblock:

Mineral Reserve:

Quarrying Licence:

Coal Licence / Application:

Recreation Reserve / Notation:

Road Width Tenure:

Riparian:

Crossing:

Old Growth Management Area:

Geotechnical Investigative Program Footprint Total Area = 6.79 ha

AREA WITHIN CROWN LAND
CROSSING No. 255

PROPOSED FEATURE	NEW CUT	EXISTING CLEARING	TOTAL
Borehole Loc'n #1	0.12 ha	0.00 ha	0.12 ha
Borehole Loc'n #2	0.12 ha	0.00 ha	0.12 ha
Geoph Trail (S1)	0.02 ha	0.00 ha	0.02 ha
Geoph Trail (S2)	0.03 ha	0.00 ha	0.03 ha
Geoph Trail (S3)	0.02 ha	0.00 ha	0.02 ha
TOTAL AREAS	0.31 ha	0.00 ha	0.31 ha
Geotechnical Investigative Area = 6.79 ha			

TABLE OF CROSSINGS

No.	STATION	DESCRIPTION	DATUM: NAD83 PROJECTION: UTM ZONE 10
6	(S3) 0+153	End of Proposed Geoph. Trail	N: 6173080 E: 538407 TCPL
5	(S3) 0+000	Start of Proposed Geoph. Trail	N: 6173233 E: 538403 TCPL
4	(S2) 0+219	End of Proposed Geoph. Trail	N: 6173268 E: 538402 TCPL
3	(S2) 0+000	Start of Proposed Geoph. Trail	N: 6173486 E: 538392 TCPL
2	(S1) 0+159	End of Proposed Geoph. Trail	N: 6173638 E: 538386 TCPL
1	(S1) 0+000	Start of Proposed Geoph. Trail	N: 6173797 E: 538379 TCPL
NAD 83 UTM ZONE 10			

Prince Rupert
Gas Transmission Project



PRINCE RUPERT GAS TRANSMISSION LTD.

SKETCH PLAN SHOWING PROPOSED GEOTECHNICAL
INVESTIGATIVE PROGRAM (CROSSING No. 255)
WITHIN UNITS 41, 42, 51 & 52, BLOCK L, 93-O-9

Unsurveyed Crown Land, Peace River District

The intended plot size of this plan is 432mm in width by 280mm in height when plotted at a scale of 1 : 5000 (use B size sheet)



Rev	Revision Description	Date(Y/M/D)	By
0	Original Plan Prepared	2013/06/10	DC
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FOCUS: 130522SK01R3 REV. 4

ePASS: 10043623

SHEET: 1 of 1

9638716