



August 2, 2013

Coastal GasLink Pipeline Ltd.
450 - 1st Street SW
Calgary, Alberta
T2P 5H1

Attention: Katherine Sheriff

RE: Temporary Occupation of Crown Land - Geotechnical Investigation Permit
Geotechnical Investigation Location: Unit 60, Block G, Group 93-P-5
Date of Issuance: August 2, 2013
Commission File No: 9638315

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 9638315, 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 941109, subject to the following:
 - i. The authorization granted under this permit is limited to the area described in construction plan number Document No. CGE4703-MSI-G-MP-060-Geotech-1940-KP90-Sketch, Rev 1, dated April 16, 2013 as submitted to the Commission in the permit application dated May 27, 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. 6, under Master Licence to Cut number M02340, 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 Document No. CGE4703-MSI-G-MP-060-Geotech-1940-KP90-Sketch, Rev 1, dated April 16, 2013).
 - ii. All harvested Crown timber must be marked with Timber Mark Number MSZ 932.
 - 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 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."
 - 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 This permit authorizes 4.37 hectares of new Crown land area disturbance only.
- 2 Clearing activities are not permitted within the riparian management area of a stream, except where necessary to facilitate a stream crossing. For each riparian class of stream, the minimum riparian management area width is defined in 22 (4) of the Environmental Protection and Management Regulation.

- 3 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 Oil and Gas Commission and all mitigation measures must be approved by OGC archaeology staff 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 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 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 Commission.
- 4 The permit holder is authorized for temporary stream crossing(s), subject to the following conditions:
- a. Any substance, sediment, debris or material that could adversely impact the stream
 - I. must not be allowed or permitted to enter or leach or seep into the stream from an activity, construction, worksite, machinery or from components used in the construction of any works, or
 - II. must not be placed, used or stored within the stream channel;
 - b. Temporary material, fill, bridge, culvert, pump, pipe, conduit, ditch or other structure used in the construction of any works must be constructed and maintained only during the period of construction, and must be removed upon completion of the works;
 - c. Activities associated with the stream crossing are carried out in accordance with the timing window or the period or periods on time in the year which the change can proceed without causing harm to fish, wildlife or habitat;
 - d. The stream crossing does not prevent the movement of fish, nor impede the movement of fish to the extent that it is harmful to the survival of the fish;
 - e. Stream crossing(s) must be planned, constructed and removed in accordance with the appropriate Department of Fisheries and Oceans Canada Operational Statement;
 - f. During the restoration of a change in and about a stream, the permit holder must ensure that:
 - I. any structures constructed to cross the stream are removed,
 - II. the channel is restored to its natural state, to the extent practicable,
 - III. the site of the crossing and associated approaches (including cut and fill slopes and ditch lines) are restored by:
 1. stabilizing any waste materials removed from the site to above the high water mark to prevent them from entering the stream,
 2. re-vegetating disturbed areas associated with the crossing using seed or vegetative propagules of an ecologically suitable species,
 3. redistributing coarse wood debris in a manner that aids soil stabilization, and
 4. ensuring that surface drainage associated with approaches will not transport sediments into the stream.
- 5 Surface soil stripping, and significant compaction or rutting are to be avoided during construction activities. If surface soil stripping, significant compaction or rutting occurs, the disturbed land must be reclaimed immediately.



Amanda Fraser
Natural Resource Officer
Permitting and Authorizations - Operations Division

