



December 15, 2020

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

Attention: Coastal GasLink Pipeline Ltd.

Re: Correction to Application Determination Number 100111077

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Permit Issuance: December 14, 2020
Date of Correction: December 15, 2020
Application Determination Number: 100111077

The BC Oil and Gas Commission hereby corrects the permit identified and dated above as follows:

- **Correct POD 002 and POD 004 tables to read as follows:**

Point of Diversion No.: 002	Water Source Name: BUGLE LAKE (POD4-6)
Type: Lake/Pond Purpose: Oil and Gas & Storage Location (UTM): Zone 10 Northing 6032060.039, Easting 475954.614 Maximum Withdrawal Rate (m³/s): 0.014m ³ /s Daily Withdrawal Volume (m³/day): 300 Total Withdrawal Volume (m³): 3000	
Point of Diversion No.: 004	Water Source Name: Merton Lake (POD 37)
Type: Lake/Pond Purpose: Oil and Gas & Storage Location (UTM): Zone 10 Northing 6042095, Easting 502114 Maximum Withdrawal Rate (m³/s): 0.2315m ³ /s Daily Withdrawal Volume (m³/day): 20000 Total Withdrawal Volume (m³): 90001	

The Permit Holder must comply with any permissions, authorizations, approvals and conditions set out in the original permit, any subsequent amendments to the permit and any additional corrections as set out herein.

This letter forms an integral part of your permit and should be attached thereto.

Jacqueline Bourke
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

Land Agent – Roy Northern Land Service Ltd.
First Nations – Lheidli T'enneh First Nation, Saulteau First Nations, McLeod Lake Indian Band, Nak'azdli First Nation (CSTC), Saik'uz First Nation (CSTC), West Moberly First Nations

December 14, 2020

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

Attention: Coastal GasLink Pipeline Ltd.

RE: Determination of Application Number 100111077

Permit Holder: Coastal GasLink Pipeline Ltd.
Date of Issuance: December 14, 2020
Effective Date: December 14, 2020
Application Submission Date: November 23, 2020
Application Determination Number: 100111077
Approved Disturbance Footprint: 0.885 ha

AUTHORIZED ACTIVITIES

Road Number No.: 05950	Segment No.: 001, 002, 005, 006, 007
Short Term Water Use No.: 0005726	Point of Diversion No.: 001, 002, 003, 004, 006, 007

GENERAL PERMISSIONS, AUTHORIZATIONS AND CONDITIONS

PERMISSIONS

Oil and Gas Activities Act

1. The BC Oil and Gas Commission, under section 25 (1) of the *Oil and Gas Activities Act*, hereby permits the permit holder referenced above to carry out the following activities, indicated in the Authorized Activities table above, subject to the conditions contained herein, any applicable exemptions and authorizations:
 - a. To construct, maintain and operate an oil and gas road as detailed in the Activity Details tables below.
2. The permissions and authorizations granted under this permit are limited to the area identified in the spatial data submitted to the Commission in the permit application as identified and dated above; herein after referred to as the 'activity area'.

Petroleum and Natural Gas Act

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 activity area to carry out the oil and gas activities and related activities permitted, or authorized herein.
 - a. The permission to occupy and use Crown land does not entitle the permit holder to exclusive possession of the area.
 - b. The total disturbance within the activity area must not exceed the total approved disturbance footprint as referenced above.

AUTHORIZATIONS

Forest Act

4. The Commission, pursuant to section 47.4 of the *Forest Act*, hereby authorizes the removal of Crown timber from the activity area under the cutting permits associated with the Master Licence(s) as follows:

Master Licence to Cut No.: M02615
Cutting Permit No.: 9
Timber Mark No.: MTD156
Total New Cut: 0.12
Forest District: (DVA) Vanderhoof Natural Resource District
Region: Interior

5. The cutting permits are deemed spent upon the submission of the post-construction plan or upon either the cancellation or expiry of the activities authorized under the permit.

Water Sustainability Act

6. The Commission, pursuant to section 10 of the *Water Sustainability Act*, hereby authorizes the diversion, storage and use of Crown water from the point(s) of diversion detailed in the Short Term Water Use Details table below.
7. The Commission, pursuant to section 24 of the *Water Sustainability Act*, hereby authorizes the use of Crown land within the activity area, for the purposes of constructing, operating, or maintaining works for the following point(s) of diversion under the above approved Short Term Water Use authorization.

Point of Diversion No: 001, 002, 003, 004, 006, 007

CONDITIONS

Notification

8. Within 60 days of the completion of construction activities under this permit, the permit holder must submit to the Commission a post-construction plan as a shapefile and PDF plan accurately identifying the location of the total area actually disturbed under this permit. The shapefile and plan must be submitted via eSubmission.
9. The permit holder must notify any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur at least five (5) working days prior to project commencement.

General

10. 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.
11. The permit holder must not assign, sublicense or permit any person other than its employees, contractors or representatives, to use or occupy any Crown land within the activity area without the Commission's written consent.
12. The permit holder must ensure that any Crown land within the activity area is maintained in a condition so as to minimize hazards, including but not limited to hazards associated with storage of materials and equipment.
13. The permit holder must ensure that any Crown land within the activity area is maintained free of garbage, debris and derelict equipment.

Environmental

14. Construction activities must not result in rutting, compaction or erosion of soils that cannot be reasonably rehabilitated to similar levels of soil productivity that existed on the activity area prior to the construction activities taking place.
15. Any temporary access must be constructed and maintained in a manner that provides for proper surface drainage, prevents pooling on the surface, and maintains slope integrity.

Clearing/Forest Act

16. The permit holder is permitted to fell any trees located on Crown land within 1.5 tree lengths of the activity area that are considered to be a safety hazard according to Workers Compensation Act regulations and must be felled in order to eliminate the hazard. Trees or portions of these trees that can be accessed from the activity area without causing damage to standing timber may be harvested.
17. The holder of the cutting permit must pay to the government, stumpage and any waste billing determined in accordance with the terms of this authorization.
18. The authorized cutting permit does not grant the permit holder the exclusive right to harvest Crown timber from the activity area. Authority to harvest some or all of the timber may be granted to other persons. The permit holder's right to harvest timber applies to any timber found on the site at the time they undertake harvesting activities.
19. All harvested Crown Timber must be marked with the cutting permit's associated Timber Mark.
20. Any waste assessments applied under the Master Licence to Cut are subject to the merchantability specifications and monetary waste billing requirements in the Provincial Logging Residue and Waste Manual specific to the region associated with the Cutting Permit authorization.
21. Stumpage will be calculated in accordance with the Interior Appraisal Manual as amended from time to time. In the current version of the Interior Appraisal Manual, stumpage will be determined in accordance with Table 6-3 (volume based).
22. The permit holder must not conduct any clearing within a Wildlife Tree Retention Area.

Archaeology

18. If an artifact, feature, material or thing protected under the *Heritage Conservation Act* is identified within the activity area, the permit holder must, unless the permit holder holds a permit under Section 12.4 of the *Heritage Conservation Act* issued by the BC Oil and Gas Commission 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 BC Oil and Gas Commission; and
 - c. Resume work in the vicinity of the artifacts, features, materials or things in accordance with direction from the BC Oil and Gas Commission.
19. Prior to the commencement of construction activities the permit holder must:
 - a. Complete an archaeological assessment of the activity area in accordance with applicable requirements of the *Heritage Conservation Act*, and
 - b. Complete and submit to the BC Oil and Gas Commission an acceptable report on the results of the assessment.
20. If the report required under the condition above recommends any further assessment work on an area, the permit holder must not begin construction activities on that area until the further assessment is completed.

ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS

ROAD

Land Area Number: 100014977
Road Number: 05950 **Road Type:** Short-Term - Low-Grade

ACTIVITY DETAILS

Seg No.: 001	Zone: 10 From: N 6065274.148 E 524142.04 To: N 6065316.636 E 524111.515
Seg No.: 002	Zone: 10 From: N 6065400.778 E 524138.523 To: N 6065271.006 E 524094.836
Seg No.: 005	Zone: 10 From: N 6031897.146 E 475880.802 To: N 6032060.061 E 475954.652
Seg No.: 006	Zone: 10 From: N 6009391.965 E 483063.742 To: N 6009276.837 E 483098.216
Seg No.: 007	Zone: 10 From: N 6009308.92 E 483130.85 To: N 6009305.462 E 483151.518

All permissions for this activity are subject to the following conditions:

Road Conditions

- The permit holder will immediately effect, and keep in force 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 activity area.

SHORT TERM WATER USE

Short Term Water Use Number - 0005726
Approval Period – From: December 11, 2020 **To:** August 1, 2022

ACTIVITY DETAILS

Point of Diversion No.: 001	Water Source Name: HAMBONE LAKE (POD 16-1.1)
Type: Lake/Pond Purpose: Oil and Gas & Storage Location (UTM): Zone 10 Northing 6065274, Easting 524142 Maximum Withdrawal Rate (l/s): 0.2315m3/s Daily Withdrawal Volume (m³/day): 20000 Total Withdrawal Volume (m³): 69001	
Point of Diversion No.: 002	Water Source Name: BUGLE LAKE (POD4-6)
Type: Lake/Pond Purpose: Oil and Gas & Storage Location (UTM): Zone 10 Northing 6032060.039, Easting 475954.614 Maximum Withdrawal Rate (l/s): 0.2315m3/s Daily Withdrawal Volume (m³/day): 300 Total Withdrawal Volume (m³): 3000	
Point of Diversion No.: 003	Water Source Name: DOCS LAKE (POD 4-14)
Type: Lake/Pond Purpose: Oil and Gas & Storage Location (UTM): Zone 10 Northing 6009277.053, Easting 483097.956 Maximum Withdrawal Rate (l/s): 0.014m3/s Daily Withdrawal Volume (m³/day): 500 Total Withdrawal Volume (m³): 5000	

Point of Diversion No.: 004	Water Source Name: Merton Lake (POD 37)
Type: Lake/Pond Purpose: Oil and Gas & Storage Location (UTM): Zone 10 Northing 6042095, Easting 502114 Maximum Withdrawal Rate (l/s): 0.014m3/s Daily Withdrawal Volume (m³/day): 20000 Total Withdrawal Volume (m³): 90001	
Point of Diversion No.: 006	Water Source Name: PARSNIP RIVER (POD3-3)
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10 Northing 6068933.037, Easting 532438.385 Maximum Withdrawal Rate (l/s): 0.014m3/s Daily Withdrawal Volume (m³/day): 500 Total Withdrawal Volume (m³): 15000	
Point of Diversion No.: 007	Water Source Name: Stuart River (POD 33)
Type: Stream/River Purpose: Oil and Gas & Storage Location (UTM): Zone 10 Northing 6002078, Easting 458951 Maximum Withdrawal Rate (l/s): 0.014m3/s Daily Withdrawal Volume (m³/day): 500 Total Withdrawal Volume (m³): 10000	

All authorizations for this activity are subject to the following conditions:

Short Term Water Use Conditions

22. No instream works are permitted under this authorization.
23. A copy of this authorization must be available for inspection at the point of diversion and use location(s).
24. Water withdrawn under this authorization must only be used for the purposes of carrying out the oil and gas activities or related activities.
25. Water must not be diverted or withdrawn from any beaver pond.
26. Water withdrawal must not occur where:
 - a. stream discharge is less than 55 L/s;
 - b. the diversion will cause the stream discharge to fall below 55 L/s;
 - c. stream (wetted) depth is less than 0.30 metres (12 inches) at the withdrawal location; or
 - d. the diversion will cause the stream (wetted) depth to fall below 0.30 metres (12 inches) at the withdrawal location.
27. On any lake, water withdrawal must cease if drawdown exceeds 0.10 metres relative to the high water level (HWL mark). In the event that drawdown exceeds 0.10 metres, withdrawals may resume only when water levels have risen above the 0.10 metres drawdown level.
28. End-of-pipe intakes must be screened with maximum mesh sizes in accordance with the Fisheries and Oceans Canada 'Interim Code of Practice: End-of-pipe fish protection screens for small water intakes in freshwater'.
29. The permit holder must maintain accurate records of all water withdrawal activities throughout the term authorized. Water withdrawal records for each diversion point, including '0' values for months where no water was withdrawn, must be recorded monthly. Water withdrawal records must be submitted to the Commission on a quarterly basis via eSubmission. Quarterly reports are due on or before April 25, July 25, October 25 and January 25.

30. At any time, the Commission may suspend short term water use previously authorized. Water use suspensions will remain in place until such time as the Commission notifies permit holders that water withdrawals may resume.
31. Produced or flowback water must not be transported in a temporary above ground water line.
32. The permit holder must not undertake any of the following on Crown land to carry out activities authorized herein:
 - a. blading or excavation of the ground surface;
 - b. in-stream works; or
 - c. harvest of Crown timber.
33. The approval holder is authorized to store fresh water diverted under this use approval in dugouts or other fresh water storage structures provided:
 - a. the approval holder holds a valid permit or authorization to occupy the land on which the dugout or structure is located on unless a permit or authorization is not required, and
 - b. the dugout or structure is not subject to the Dam Safety Regulation unless the approval holder has a valid Water Licence and Leave to Operate the water storage structure.

ADVISORY GUIDANCE

1. Construction Plan - CGW4703-MCSL-G-MP-2198-POD_16-1-Sketch-Rev0.pdf, Construction Plan - CGW4703-MCSL-G-MP-2238-POD_4-6-Sketch-Rev0.pdf, Construction Plan - CGW4703-MCSL-G-MP-2248-POD_4-14-Sketch-Rev0.pdf, Diversion Map - 100111077_Combined_Mapping.pdf is for the permit holder's internal reference only and was not reviewed as a decision tool for this permit, nor does it form an integral part of this permit.
2. Instructions for submitting notice of construction start, as required by regulation, can be found in the Oil and Gas Activity Operations Manual on the Commission's website.

REFUSALS

The BC Oil and Gas Commission ("the Commission"), under section 26 (1) (a) of the *Oil and Gas Activities Act (OGAA)*, hereby refuses permissions for the following activity(s) indicated in the Refused Activities table below and submitted as part of the Application Number referenced above.

Short Term Water Use No.: 0005726	Point of Diversion No.: 005
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All pages included in this permit and any attached documents form an integral part of this permit.



Jacqueline Bourke
Authorized Signatory
Commission Delegated Decision Maker

Copied to:

Land Agent – Roy Northern Land Service Ltd.
First Nations – Lheidli T'enneh First Nation, Saulteau First Nations, McLeod Lake Indian Band, Nak'azdli First Nation (CSTC), Saik'uz First Nation (CSTC), West Moberly First Nations
Ministry of Forests District Office - (DVA) Vanderhoof Natural Resource District