

May 18, 2021

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

Attention: Coastal GasLink Pipeline Ltd.

**RE: Determination of Application Number 100111341**

**Permit Holder:** Coastal GasLink Pipeline Ltd.  
**Date of Issuance:** May 18, 2021  
**Effective Date:** May 18, 2021  
**Application Submission Date:** December 14, 2020  
**Application Determination Number:** 100111341

**AUTHORIZED ACTIVITIES**

<b>Pipeline Project No.:</b> 000025689	<b>Segment No.:</b> 1
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**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 and operate a pipeline as detailed in the Technical Specification Details tables below.

<b>Seg No.:</b> 1	<b>From:</b> 14-34-078-19 <b>To:</b> 03-33-078-19
<b>Flow Direction:</b> Uni-Directional	<b>Maximum Operating Pressure (kpa):</b> 9930
<b>Product:</b> Natural Gas - Sweet	<b>Max H<sub>2</sub>S (mol%):</b> 0.002
<b>Installation Number(s):</b> 1	

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'.
3. Notwithstanding the above permissions and authorizations, this permit does not authorize the following Associated Oil and Gas Activity(s): 00209851- 00209869

## CONDITIONS

### Notification

4. Unless a submission has been made under condition 5, the permit holder must annually, on or before March 31 of each year, submit to the Commission a Post Construction Plan map showing the location and nature of any construction activities completed under this permit during the previous calendar year.
5. Within 60 days of completion of construction activities under this permit, the permit holder must submit to the Commission a Post Construction Plan as a shape file and PDF plan accurately identifying the location of the total area actually disturbed under this permit, and a written statement indicating whether the permit holder has complied with the permit conditions and applicable legislation relating to the design and construction of the activities authorized under this permit. The written statement must be signed by the permit holder and specify the date on which it was made. The shapefile and plan must be submitted via eSubmission.

### Clearing/Forest Act

6. 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.
7. Clearing and site preparation must be confined to the area approved in the Certified Project Description of the associated Environmental Assessment Certificate.

### Archaeology

8. No construction activities are authorized in the vicinity of archaeology site(s) GkRf-29 without the issuance of a site alteration permit, pursuant to the terms under Section 12.4 of the *Heritage Conservation Act* and as approved by the BC Oil and Gas Commission.
9. 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.
10. 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.
11. 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.

### Environment

12. 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 site prior to the construction activities taking place.
13. The permit holder must undertake dust control measures to ensure that dust resulting from construction activities does not affect safe travel on a road or significantly impair the use and enjoyment of lawfully occupied permanent dwellings, significant public use areas or other similar areas.

14. The permit holder must undertake reasonable measures to mitigate noise from construction activity that has the potential to affect public safety or significantly impair the use and enjoyment of lawfully occupied permanent dwellings, significant public use areas during periods of use or other similar areas.
15. The permit holder must ensure shooflies are constructed in a manner that provides for proper surface drainage, prevents pooling on the surface, and maintains slope integrity.
16. In all locations where run-off from the area of the pipeline right of way or work space may flow into a watercourse, the permit holder must contour and stabilize banks and approach slopes and install berms, silt fences, cross ditches, or implement other alternative effective measures as appropriate to minimize erosion and avoid sediment deposit into the watercourse.

### **Agriculture Land Commission**

17. The permit holder must, in relation to any oil and gas activities and related activities, authorized herein that are located within the Agricultural Land Reserve:
  - a. Implement any recommendations for soil handling and management of surface water contained in the Schedule A report(s) submitted with this application,
  - b. Within 24 months of the date of completion of pipeline construction, conduct reclamation of any area of land disturbed by non-farm use in accordance with any recommendations contained in the Schedule A Report and the requirements set out in Schedule B of the Agreement between the Provincial Agricultural Land Commission and the BC Oil and Gas Commission dated December 8, 2017, to the satisfaction of the BC Oil and Gas Commission, or in accordance with such alternate requirements identified by a Qualified Specialist and agreed to by the BC Oil and Gas Commission, and
  - c. Submit a Schedule B Report to the Oil and Gas Commission and to the landowner(s) if the area of land is private land, in accordance within the timelines specified in the Agreement.

## **ACTIVITY SPECIFIC DETAILS, PERMISSIONS AND CONDITIONS**

### **PIPELINES**

**Land Area Number:** 100015503

**Pipeline Project Number:** 000025689

#### **Technical Pipeline Permissions**

18. The permit holder is authorized to construct and operate the pipeline segments 001 to transmit natural gas under a maximum operating pressure of 9930 kPa, and under a maximum concentration of H<sub>2</sub>S of 0.002 mol% unidirectionally in a 1219 mm (48 inch) diameter pipe, and in accordance Piping & Instrumentation Diagram(s) submitted by Coastal GasLink Pipeline Ltd.: 80373-01-ML-02-001 Revision B, dated June 17, 2020, 4759-01-ML-02-001 R02T1 Revision B, dated June 17, 2020. Changes may be made to pigging design, and to above ground valves and piping, provided that:
  - a. the changes do not affect direct connections to pipelines and facilities;
  - b. there are no changes to approved pressure protection, H<sub>2</sub>S protection or isolation;
  - c. there is no substantive impact to any aspect of the project that was included in a consultation under the Consultation and Notification Regulation; and
  - d. the design and operation of the pipeline continues to meet all regulatory requirements including the requirements of CSA Z662, as amended from time to time.

## **ADVISORY GUIDANCE**

1. Construction Plan - 80373-03-ML-15-001-Rev01.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.
3. The permit holder must provide notices required by the Pipeline Regulation prior to beginning construction, maintenance or repair of the pipeline.
4. As required by section 4 of the Pipeline Regulation, the permit holder must design, construct, operate and maintain the pipeline in accordance with CSA Z662, as amended from time to time.
5. As required by section 4(2) of the Pipeline Regulation, the permit holder must submit to the Commission the pipe and component specifications and the as-built drawings for the pipeline within 3 months after completion of construction of a pipeline.
6. As required by section 24(1) of the Oil and Gas Activities Act General Regulation, the permit holder must complete the surveying and posting of the pipeline right of way within 16 months after completing construction of the pipeline.
7. As required by section 7 of the Pipeline Regulation, the permit holder must include the pipeline authorized by this permit in its Integrity Management Plan and Damage Prevention Program.
8. The permit holder must avoid all archaeology sites unless issued a site alteration permit by the Commission, pursuant to section 12 of the *Heritage Conservation Act*.

## **DEFINITIONS**

Unless the condition or its context indicates otherwise, the terms in this permit have the same meaning as defined in the *Oil and Gas Activities Act* or the regulations under that Act.

**“construction activities” or “construction”** means clearing, site preparation, trench excavation, pipe installation and any other activities required to construct a pipeline.

**“qualified specialist”** means a person who possesses an appropriate combination of formal education, knowledge, skills, and experience to conduct a technically sound and rational assessment for the area of practice, and be familiar with applicable regulations, standards, policies, protocols and guidelines.

All pages included in this permit and any attached documents form an integral part of this permit.



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James O'Hanley  
Vice President, Applications  
Authorized Signatory  
Commission Delegated Decision Maker

Copied to:

Landowners/Rights Holders  
Work Safe BC  
BC EAO