

May 11, 2023

Cedar LNG Partners (GP) Ltd.  
2500-666 Burrard St.  
Vancouver, BC V6C 2X8

Attention: Cedar LNG Partners (GP) Ltd.

**RE: Determination of Application Number 100117199**

**Permit holder:** Cedar LNG Partners (GP) Ltd.  
**Date of Issuance:** May 11, 2023  
**Effective Date:** May 11, 2023  
**Application Submission Date:** April 26, 2023  
**Application Determination Number:** 100117199  
**Approved Disturbance Footprint:** 0 ha

## **Authorized Activities**

<b>Pipeline Project No.:</b> 000026251	<b>Segment No.:</b> 001
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## **General Permissions, Authorizations and Conditions**

### **Permissions**

#### **Oil and Gas Activities Act**

1. The BC Energy Regulator, under section 25 (1) of the *Oil and Gas Activities Act* (OGAA), 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.
2. The permissions and authorizations granted under this permit are limited to the area identified in the spatial data submitted to the BC Energy Regulator 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):

**00229688 – Workspace**

**00229689 – Workspace**

**00229690 – Workspace**

**00229691 – Workspace**

**00229692 – Workspace**

**00229693 – Workspace**

**00229694 - Workspace**

## Conditions

### Notification

4. Within 60 days of the completion of construction activities under this permit, the permit holder must submit to the BC Energy Regulator 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 e-Submission.
5. The Permit Holder must notify the First Nation(s) copied on this permit/authorization at least 5 (five) working days prior to project commencement.

### Environmental

6. 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.
7. 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.
8. The permit holder must take reasonable measures to ensure that the quality, quantity or timing of flow of the water to any waterworks located within or adjacent to the pipeline right of way and workspace is not materially adversely affected. If it is not practicable to avoid such an effect, you must:
  - a. take all reasonable measures to minimize the adverse effect;
  - b. provide notice to the owner or user of the waterworks before or as soon as practicable following any adverse effect; and
  - c. for the period of adverse effect, provide the owner or user of the waterworks with an alternate supply of water of equal or better quality.
9. Approved activities must not cause a material adverse effect on the quality, quantity, or natural timing of flow of water in an aquifer.

### Clearing/Forest Act

10. 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.

### Archaeology

11. 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 Energy Regulator 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 Energy Regulator; and
  - c. Resume work in the vicinity of the artifacts, features, materials, or things in accordance with direction from the BC Energy Regulator.
12. 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 Energy Regulator an acceptable report on the results of the assessment.
13. 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

### Pipelines

Land Area Number: 100021174

Pipeline Project Number: 000026251

#### Technical Specification Details

<b>Seg No.:</b> 001	<b>From:</b> A-035-B/103-I-02 <b>To:</b> D-036-B/103-I-02
<b>Flow Direction:</b> Uni-Directional	<b>Maximum Operating Pressure (kpa):</b> 13375
<b>Product:</b> Natural Gas - Sweet	<b>Max H2S (mol%):</b> 0.002
<b>Installation Number(s):</b> 1, 2	

#### Technical Pipeline Permissions

14. Piping & Instrumentation Diagram(s) submitted by Cedar LNG Partners (GP) Ltd.:
- P3.01-2A-00001, Revision A, dated 02/13/2023,
- a. Changes may be made to pigging design, and to above ground valves and piping, provided that:
    - i. the changes do not affect direct connections to pipelines and facilities;
    - ii. there are no changes to approved pressure protection, H2S protection or isolation;
    - iii. there is no substantive impact to any aspect of the project that was included in the consultation; and
    - iv. the design and operation of the pipeline continues to meet all regulatory requirements and the requirements of CSA Z662.

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

#### Pipeline Conditions

15. At least 2 days prior to pipeline stringing-activities in the field, the permit holder must contact the BC Energy Regulator via email at [Pipelines.Facilities@bc-er.ca](mailto:Pipelines.Facilities@bc-er.ca), referencing AMS Application #100117199-2.
16. At least 45 days prior to commencement of field welding of the pipeline, the permit holder must submit to the BC Energy Regulator, the following:
- a. the welding procedure specification, procedure qualification record, and welder procedure qualification.
  - b. an assessment that includes specific measures incorporated in design and construction methods, materials testing and integrity management following startup to mitigate risk associated with undermatched girth welds, that has been signed off by a professional engineer.

These documents must be sent to [Pipelines.Facilities@bc-er.ca](mailto:Pipelines.Facilities@bc-er.ca), referencing application # 100117199.

17. At least 45 days prior to pipe stringing-activities, the permit holder must submit, to the BC Energy Regulator, the following:
- a. The design measures to provide control of fracture propagation as per clause 5.2.2.3 in CSA Z662
  - b. The results of seismic study, factored in the design of the pipeline, that has been completed by a qualified specialist.

These documents must be sent to [Pipelines.Facilities@bc-er.ca](mailto:Pipelines.Facilities@bc-er.ca), referencing application # 100117199.

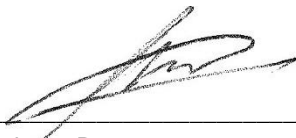
18. Within 12 months of commencement of operation of this pipeline, the permit holder must submit to the BC Energy Regulator the results and interpretation of a high resolution in-line inspection tool run to establish an accurate position of the pipeline (GEOPIG) and to detect pipe deformation and defects. This must be sent to [Pipelines.Facilities@bc-er.ca](mailto:Pipelines.Facilities@bc-er.ca), referencing application # 100117199.

19. - Where the hoop stress during the pressure test exceeds 100% SMYS, the permit holder must submit to the BC Energy Regulator the P-V test and the pressure test results before beginning operation of the pipeline. This must be sent to [Pipelines.Facilities@bc-er.ca](mailto:Pipelines.Facilities@bc-er.ca), referencing application # 100117199.
20. At least 45 days prior to pipe stringing-activities in areas where geohazard(s) are present, the permit holder must submit to the BC Energy Regulator:
  - a. a geohazard assessment that includes:
  - b. a description of the geohazard(s) identified that have reasonable probability of impacting the pipeline, with the location of each geohazard illustrated on either a map or in a table; and
  - c. specific design measures, such as materials to be used, installation procedures, protective structures, depth of cover, and monitoring that will be implemented to mitigate the geohazard(s) identified in (i); and
  - d. a field changes manual for geohazards that includes:
  - e. criteria for measures, including those identified in a(ii) above, that will be implemented to mitigate any additional geohazards identified during construction; and
  - f. qualification requirements for field staff who will implement the field changes manual.
20. These documents must be sent to [Pipelines.Facilities@bc-er.ca](mailto:Pipelines.Facilities@bc-er.ca), referencing application # 100117199.

## **Advisory Guidance**

1. Instructions for submitting notice of construction start, as required by regulation, can be found in the Oil and Gas Activity Operations Manual on the BC Energy Regulator's website.

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



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Norberto Pancera  
Authorized Signatory  
BC Energy Regulator Delegated Decision Maker

Copied to:

First Nations – Haisla Nation Council  
Landowners/Rights Holders  
Work Safe BC