

April 24, 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 100117141

Permit holder: Cedar LNG Partners (GP) Ltd.
Date of Issuance: April 24, 2023
Effective Date: April 24, 2023
Application Submission Date: March 17, 2023
Application Determination Number: 100117141
Approved Disturbance Footprint: 5.125 ha

Activities Approved

Associated Oil & Gas Activity No.: 00229126 – 00229168, 00229176 – 00229178	Type: Investigative Use - General
Associated Oil & Gas Activity No.: 00229169 – 00229175, 00229179	Type: Access
Changes In and About a Stream: 0007797	

General Permissions, Authorizations and Conditions

Permissions

Petroleum and Natural Gas Act

1. The BC Energy Regulator pursuant to section 138 of the *Petroleum and Natural Gas Act* hereby permits the permit holder referenced above to construct and operate a related activity(s) as detailed in Activities Approved table above and the Activity Details table(s) below, when applicable, for the purposes of carrying out oil and gas activities as defined in the *Oil and Gas Activities Act* (OGAA); subject to the conditions set out herein.
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. The BC Energy Regulator, pursuant to section 138(1) of the *Petroleum and Natural Gas Act*, hereby permits the occupation and use of any Crown land located within the activity area.
 - a. The permission to occupy and use Crown land expires two years from the date of issuance, unless the BC Energy Regulator has received notice of construction start, or this permit is otherwise extended, suspended, cancelled, surrendered or declared spent.
 - b. The permission to occupy and use Crown land does not entitle the permit holder to exclusive possession of the activity area.
 - c. The total disturbance within the activity area must not exceed the total approved disturbance footprint as referenced above.

General, Authorizations and Conditions

Authorizations

Forest Act

4. The BC Energy Regulator, 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.: M02696

Cutting Permit No.: 5

Timber Mark No.: MTD780

Total New Cut: 4.56

Forest District: (DKM) Coast Mountains Natural Resource District

Region: Coastal

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 BC Energy Regulator, pursuant to section 11 of the *Water Sustainability Act*, authorizes the Changes In and About a stream, as detailed in the Activities Approved table above, within the activity area for construction and maintenance activities, unless otherwise restricted by this authorization:
 - d. Instream works must be carried out in accordance with the methods and any mitigations, as specified in the application.

Conditions

Notification

7. A notice of construction start must be submitted, as per the relevant BC Energy Regulator process at the time of submission, at least 48 hours prior to the commencement of activities under this permit.
8. 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.
9. 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

10. 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.
11. 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.
12. The permit holder must make reasonable efforts to prevent establishment of invasive plants on the activity area resulting from the carrying out of activities authorized under this permit.
13. Following completion of construction associated with the associated activities set out in the authorized Activities table above, the permit holder must, as soon as practicable
 - a. De-compact any soils compacted by the activity;
 - b. if natural surface drainage pattern was altered by the carrying out of the activity, the permit holder must restore, to the extent practicable, to the drainage pattern and its condition before the alteration;
 - c. re-vegetate any exposed soil on the activity area including, where necessary, using seed or vegetative propagules of an ecologically suitable species that:

- i. promote the restoration of the wildlife habitat that existed on the area before the oil and gas activity was begun, and
 - ii. stabilize the soil if it is highly susceptible to erosion.
- d. any retrievable surface soils removed from the activity area must be redistributed so that the soil structure is restored, to the extent practicable, to its condition before the activity was begun.

Clearing/Forest Act

14. 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.
15. 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 6-8.

Water Course Crossings and Works

16. Stream, lake, and wetland crossings must be constructed in accordance with the methods and any mitigations, as specified in the application.
17. Construction or maintenance activities within a fish bearing stream or wetland must occur:
- a. during the applicable reduced risk work windows as specified in the Skeena Region - Reduced Risk Work Windows;
 - b. in accordance with alternative timing and associated mitigation recommended by a qualified professional and accepted by the BC Energy Regulator; or
 - c. in accordance with an authorization or letter of advice from Fisheries and Oceans Canada that is provided to the BC Energy Regulator;

If activities are to occur in accordance with b or c above, the documentation must be submitted to the BC Energy Regulator prior to commencement of activities.

18. At any time, the BC Energy Regulator may suspend instream works authorized under this permit. Suspensions on instream works will remain in place until such time as the BC Energy Regulator notifies permit holders that works may resume. Reasons for suspension of works may include, but are not limited to, drought conditions and increased environmental or public safety risks.
19. Equipment used for activities under this Permit must not be situated in a stream channel unless it is dry or frozen to the bottom at the time of the activity.
20. The permit holder must ensure any instream works related to maintenance are planned and overseen by a qualified professional. This individual must assess and determine whether planned works pose a risk to any of the features listed below, and is responsible for developing and implementing mitigation measures to reduce any potential impacts on these features, as required:
- a. fish or important fisheries habitat;
 - b. species identified as special concern, threatened, or endangered under the federal *Species at Risk Act*; or
 - c. species identified by Order as a species at risk under the *Forest and Range Practices Act* or the *Oil and Gas Activities Act*.

This assessment must be provided to the BC Energy Regulator upon request.

WCCW Temp Access

21. Following initial construction, stream, lake, and wetlands crossings are authorized for necessary maintenance activities on the activity area except for:
- a. works within the boundary of a provincial park;

- b. stream bank or stream bed revetment works in a stream classified as S1, S2, S3, S4 or S5;
- c. permanent alteration of a stream bank;
- d. works within a Temperature Sensitive Stream established by order under s. 27 of the Environmental Protection and Management Regulation; or
- e. works within a Fisheries Sensitive Watershed established by order under s. 28 of the Environmental Protection and Management Regulation.

WCCW Mechanical

22. Mechanical stream crossings must be constructed, maintained, and deactivated according to the following requirements, as applicable:

- a. To facilitate construction of a crossing, a machine is permitted to ford the stream a maximum of one time in each direction at the crossing location.
- b. Only bridges, culverts, ice bridges or snow fills may be constructed at stream crossings;
- c. The permit holder must ensure that permanent bridges are designed and fabricated in compliance with:
 - i. the Canadian Standards Association Canadian Bridge Design Code, CAN/CSA-S6; and
 - ii. soil property standards, as they apply to bridge piers and abutments; set out in the Canadian Foundation of Engineering Manual.
- d. Except with leave of the BC Energy Regulator, the permit holder must ensure that
 - i. culverts are designed and fabricated in compliance with the applicable:
 - a. Canadian Standards Association CSA G401, Corrugated Steel Pipe Products; or
 - b. Canadian Standards Association Standard CSA B1800, Section B182.8, Plastic Non-pressure Pipe Compendium; or
 - ii. any pipe installed in lieu of a culvert is of at least equivalent standard and strength as any culvert as specified above.
- e. Except with leave of the BC Energy Regulator, the permit holder must ensure that bridges or culverts meet the criteria set out in i., ii. or iii. below:
 - i. the bridge or culvert is designed to pass the highest peak flow of the stream that can reasonably be expected within the return periods set out in Column 2 of the table below for the period the permit holder anticipates the structure will remain on site, as set out in Column 1 of the table below:

Anticipated period crossing structure will remain on site	Peak flow period
Bridge or culvert, 3 years or less	10 years
Bridge other than a bridge within a community watershed, more than 3 years but less than 15	50 years
Bridge within a community watershed, more than 3 years	100 years
Bridge, 15 years or more	100 years
Culvert, more than 3 years	100 years

- ii. the bridge, or any component of the bridge:
 - a. is designed to pass expected flows during the period the bridge is anticipated to remain on the site;
 - b. is constructed, installed, and used only in a period of low flow; and
 - c. is removed before any period of high flow begins.
- iii. the culvert;
 - a. is a temporary installation, and the permit holder does not expect to subsequently install a replacement culvert at that location;

- b. is not installed in a stream, when the stream contains fish;
 - c. is sufficient to pass flows that occur during the period the culvert remains on the site;
 - d. is installed during a period of low flow; and
 - e. is removed before any period of high flow begins.
- f. Snow fills must consist of clean snow and may only be located on streams that are dry or frozen to the bottom during the period of construction, maintenance, and use. Where periodic thaws are anticipated, the permit holder must ensure measures are in place that allows meltwater to pass through, ensure movement of fish is not impeded, and prevent pooling on the upstream side of the snow fill. Snow fill and any installed culverts must be removed prior to spring snow melt;
- g. Ice bridges on fish bearing streams may only be constructed where sufficient water depth and stream flows prevent the bridge structure from coming in contact with the stream bottom;
- h. Water applied to construct an ice bridge on a water body must be sourced in accordance with the *Water Sustainability Act* unless
- i. the water body is a stream with a stream channel width of at least 5 meters and is not designated as a sensitive stream under the *Fish Protection Act*, or has a riparian class of W1, W3, or L1;
 - ii. the water is sourced from the same water body proximal to the location on which the ice bridge is constructed;
 - iii. the water body is not within the boundaries of a public park;
 - iv. pump intakes must not disturb beds of fish bearing streams, lakes or wetlands except as necessary to ensure safe installation and operation of equipment, and must be screened with maximum mesh sizes and approach velocities in accordance with the Fisheries and Oceans Canada 'Interim code of practice: End-of-pipe fish protection screens for small water intakes in freshwater', and
 - a. where the water body is a stream, the flow of water in the stream at the time and location of pumping exceeds 60 litres per second and the instantaneous pumping rate does not exceed 1% of the water flowing in the water body at the time and location the pumping occurs, or
 - b. where the water body is a lake or pond, the cumulative volume of water withdrawn does not exceed 10 cm of lake or pond depth, calculated as the product of lake or pond surface area x 10 cm;
 - v. records of water withdrawal and corresponding streamflow measurements are maintained by the permit holder and provided to the BC Energy Regulator upon request.
- i. Bridge or culvert abutments, footings and associated scour protection must be located outside the natural stream channel and must not constrict the channel width.
- j. Wetland crossings must be constructed, maintained, and removed in accordance with the following:
- i. organic cover within and adjacent to the wetland must be retained;
 - ii. minimize erosion or release of sediment within the wetland;
 - iii. any padding materials must be placed on the wetland surface only and must not be used for infilling;
 - iv. any padding materials must be removed as soon as practicable following construction, considering weather and ground conditions; and
 - v. the wetland, including banks and bed, must be restored, to the extent practicable, to the condition that existed before the crossing was initiated.

Archaeology

- 23. No construction activities are authorized in the vicinity of archaeology site(s) GaTe-9 and GaTe-10 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 Energy Regulator.
- 24. 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.

Activity Specific Details, Permissions and Conditions

Associated Oil and Gas Activities

Activity Details

AOGA Number: 00229126	AOGA Type: Investigative Use - General
AOGA Number: 00229127	AOGA Type: Investigative Use - General
AOGA Number: 00229128	AOGA Type: Investigative Use - General
AOGA Number: 00229129	AOGA Type: Investigative Use - General
AOGA Number: 00229130	AOGA Type: Investigative Use - General
AOGA Number: 00229131	AOGA Type: Investigative Use - General
AOGA Number: 00229132	AOGA Type: Investigative Use - General
AOGA Number: 00229133	AOGA Type: Investigative Use - General
AOGA Number: 00229134	AOGA Type: Investigative Use - General
AOGA Number: 00229135	AOGA Type: Investigative Use - General
AOGA Number: 00229136	AOGA Type: Investigative Use - General
AOGA Number: 00229137	AOGA Type: Investigative Use - General
AOGA Number: 00229138	AOGA Type: Investigative Use - General
AOGA Number: 00229139	AOGA Type: Investigative Use - General
AOGA Number: 00229140	AOGA Type: Investigative Use - General
AOGA Number: 00229141	AOGA Type: Investigative Use - General
AOGA Number: 00229142	AOGA Type: Investigative Use - General
AOGA Number: 00229143	AOGA Type: Investigative Use - General
AOGA Number: 00229144	AOGA Type: Investigative Use - General
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AOGA Number: 00229152	AOGA Type: Investigative Use - General
AOGA Number: 00229153	AOGA Type: Investigative Use - General
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AOGA Number: 00229166	AOGA Type: Investigative Use - General
AOGA Number: 00229167	AOGA Type: Investigative Use - General
AOGA Number: 00229168	AOGA Type: Investigative Use - General
AOGA Number: 00229169	AOGA Type: Access
AOGA Number: 00229170	AOGA Type: Access
AOGA Number: 00229171	AOGA Type: Access
AOGA Number: 00229172	AOGA Type: Access
AOGA Number: 00229173	AOGA Type: Access
AOGA Number: 00229174	AOGA Type: Access
AOGA Number: 00229175	AOGA Type: Access
AOGA Number: 00229176	AOGA Type: Investigative Use - General
AOGA Number: 00229177	AOGA Type: Investigative Use - General
AOGA Number: 00229178	AOGA Type: Investigative Use - General
AOGA Number: 00229179	AOGA Type: Access

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

Associated Oil and Gas Activity Conditions

- 25. . Topsoil stripping, ditching and roadbed construction are not permitted within the temporary access trails.

Advisory Guidance

1. Construction Plan - Cedar_IUP-10_2023.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 BC Energy Regulator's website.
3. Unless a condition or its context suggests otherwise, terms used in this approval have the same meaning as the Environmental Protection and Management Regulation under the Oil and Gas Activities Act.
4. Appropriate tenure may be issued upon acceptance of the post-construction plan. Submission of the original application and submission of the post-construction plan is considered an application for all subsequent applicable Land Act tenures. Upon the BC Energy Regulator's acceptance of the post-construction plan no further applications for replacement tenure are required.
5. Temporary access is intended to be short term access to facilitate construction of an oil and gas activity. It is not intended for sustained use and is not constructed to oil and gas road standards.

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



Corey Scofield
Authorized Signatory
BC Energy Regulator Delegated Decision Maker

Copied to:
First Nations – Haisla Nation Council
Ministry of Forests District Office - (DKM) Coast Mountains Natural Resource District