

October 10, 2024

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

Attention: Cedar LNG Partners (GP) Ltd.

RE: Determination of Application Number 100117155

Permit holder: Cedar LNG Partners (GP) Ltd.
Date of Issuance: October 10, 2024
Effective Date: October 10, 2024
Application Submission Date: April 14, 2023
Application Determination Number: 100117155
Approved Disturbance Footprint: 4.79 ha

Authorized Activities

Road Number No.: 06613	Segment No.: 001, 002, 003, 004, 005, 006
Changes In and About a Stream: 0007899	

General Permissions, Authorizations and Conditions

Permissions

Energy Resource Activities Act

1. The BC Energy Regulator, under section 25 (1) of the *Energy Resource Activities Act* (ERAA), 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 BC Energy Regulator 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 or storage 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 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.: 9
Timber Mark No.: MTD834
Total New Cut: 3.96
Forest District: (DKM) Coast Mountains Natural Resource District
5. The term of the cutting permits is four years. The cutting permits are deemed spent upon submission of the post-construction plan or the cancellation or expiry of activities authorized under the permit.

Conditions

Notification

6. 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 eSubmission.
7. The Permit Holder must notify the First Nation(s) copied on this permit/authorization at least 5 (five) working days prior to project commencement.

General

8. 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.
9. 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 BC Energy Regulator's written consent.
10. 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.
11. The permit holder must ensure that any Crown land within the activity area is maintained free of garbage, debris and derelict equipment.

Clearing/Forest Act

12. 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.
13. 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.
14. 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.
15. All harvested Crown Timber must be marked with the cutting permit's associated Timber Mark.

16. 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.
17. 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

18. Stream, lake and wetland crossings must be constructed in accordance with the methods and any mitigations, as specified in the application.
19. 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 Window;
 - b. in accordance with alternative timing and associated mitigation recommended in a plan prepared 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 at postpermitrequests@bc-er.ca prior to commencement of activities.

20. 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.
21. 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.
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:
- is designed to pass expected flows during the period the bridge is anticipated to remain on the site;
 - is constructed, installed and used only in a period of low flow; and
 - is removed before any period of high flow begins.
- iii. the culvert;
- is a temporary installation, and the permit holder does not expect to subsequently install a replacement culvert at that location;
 - is not installed in a stream, when the stream contains fish;
 - is sufficient to pass flows that occur during the period the culvert remains on the site;
 - is installed during a period of low flow; and
 - 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
- 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;
 - the water is sourced from the same water body proximal to the location on which the ice bridge is constructed;
 - the water body is not within the boundaries of a public park;
 - 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
 - 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.
- 23. Following initial construction, stream crossings are authorized for necessary road modification or maintenance activities on the activity area except for:
 - a. construction or replacement of a bridge or major culvert on a S1, S2, S3 or S5 stream;
 - b. installation of a closed bottom structure in a fish bearing stream;
 - c. excavation or grading of a stream bank or stream bed;
 - 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 section 28 of the Environmental Protection and Management Regulation.
- 24. Stream crossings for roads must be constructed, maintained and deactivated according to the following requirements, as applicable:
 - a. only bridges, culverts, ice bridges or snow fills may be constructed at stream crossings;
 - b. 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, culverts must be installed to allow meltwater to pass through. Snow fill and any installed culverts must be removed prior to spring snow melt;
 - c. 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;
 - d. 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 metres 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 do not disturb beds of streams or wetlands except as necessary for the safe installation and operation of equipment, and are screened with a maximum mesh size and approach velocity 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.
 - e. bridge or culvert abutments, footings and scour protection must be located outside the natural stream channel and must not constrict the channel width.
25. Wetland crossings must be constructed, maintained and removed in accordance with the following:
- a. organic cover within and adjacent to the wetland must be retained;
 - b. minimize erosion or release of sediment within the wetland;
 - c. any padding materials must be placed on the wetland surface only and must not be used for infilling;
 - d. any padding materials must be removed as soon as practicable following construction, considering weather and ground conditions; and
 - e. the wetland, including banks and bed, must be restored, to the extent practicable, to the condition that existed before the crossing was initiated.

Archaeology

26. 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

Road

Land Area Number: 100021295
Road Number: 06613
Road Type: Long-Term - All-Weather

Activity Details

Seg No.: 001	Zone: 09 From: N 5987306.665 E 518738.658 To: N 5987288.703 E 518750.693
Seg No.: 002	Zone: 09 From: N 5987274.854 E 518605.431 To: N 5987323.659 E 518593.57
Seg No.: 003	Zone: 09 From: N 5987034.565 E 518523.563 To: N 5987197.817 E 518511.227
Seg No.: 004	Zone: 09 From: N 5986943.202 E 518451.139 To: N 5986876.339 E 518546.934
Seg No.: 005	Zone: 09 From: N 5986844.958 E 518431.819 To: N 5986398.743 E 518306.48
Seg No.: 006	Zone: 09 From: N 5986185.601 E 518311.9 To: N 5986387.112 E 518409.283

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

Road Conditions

27. The permit holder will immediately effect, and keep in force insurance of an amount not less than \$1,000,000 protecting the Province, the BC Energy Regulator 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.

Guidance

1. Construction Plan - 23531048801-VO-SKCH-021.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.

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



Jacqueline Bourke
Authorized Signatory
BC Energy Regulator Delegated Decision Maker

Copied to:

First Nations – Haisla Nation Council
Landowners/Rights Holders
Ministry of Forests District Office - (DKM) Coast Mountains Natural Resource District