November 4, 2025

Ksi Lisims LNG Tolling GP ULC
1600, 925 West Georgia Street
Vancouver, BC V6C 3L2

Attention: Ksi Lisims LNG Tolling GP ULC

RE: Determination of Application Number 100119349

Permit holder: Ksi Lisims LNG Tolling GP ULC
Date of Issuance: November 4, 2025
Effective Date: November 4, 2025
Application Submission Date: July 2, 2025
Application Determination Number: 100119349
Approved Disturbance Footprint: 99.275 ha

Authorized Activities

Facility Identification No.: 00028274	**Facility Name:** KSLNG TOLLING GP A-035-B/103-O-01 001
Short Term Water Use No.: 0006788	**Point of Diversion No.:** 002, 003
Changes In and About a Stream: 0009003	

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 a facility(s), and piping and equipment associated with the facility(s) 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'.

Land Act

3. The BC Energy Regulator, pursuant to section 39 of the *Land Act*, hereby authorizes the occupation and use of any Crown land located within the activity area.
    a. A licence authorized under section 39 of the *Land Act* for the Crown land portion of this application will follow. The permit holder is subject to the conditions contained in the Licence.

b. The authorization 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.

Authorizations

Water Sustainability Act

4. The BC Energy Regulator, 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.

Conditions

Notification

5. 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.

6. 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

7. 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.

8. 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.

9. 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.

10. The permit holder must ensure that any Crown land within the activity area is maintained free of garbage, debris and derelict equipment.

Environmental

11. Prior to exposing or disturbing bedrock that could present metal leaching / acid rock drainage (ML/ARD) risks, the permit holder must submit to the BC Energy Regulator, via email to postpermitrequests@bc-er.ca, a ML/ARD assessment and mitigation plan (ML/ARD Management Plan) with respect to potentially acid generating (PAG) or metal leaching rock at the site. The ML/ARD Management Plan must include:

    a. processes used to assess and delineate rock with ML/ARD potential,

    b. protocols for ongoing verification of the results of ML/ARD assessments,

    c. material handling steps for rock with confirmed ML/ARD potential,

    d. mitigation measures and monitoring programs, including post-construction monitoring, and

    e. technical drawings, specifications, and locations for mitigation measures.

    The ML/ARD Management Plan must be prepared by a qualified professional. The permit holder must implement any protocols, steps, mitigation measures, monitoring, or recommended specifications outlined in the ML/ARD Management Plan. The hazards, risks and potential effects of any changes made to the mitigation and monitoring measures outlined in the ML/ARD Management Plan must be assessed by the qualified professional, and all records of change must be retained by the permit holder and provided to the BC Energy Regulator upon request. Any records of implementation of mitigation measures and associated monitoring collected pursuant to the

ML/ARD Management Plan must be retained by the permit holder and provided to the BC Energy Regulator upon request.

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.

Water Course Crossings and Works

13. Stream, lake and wetland crossings must be constructed in accordance with the methods and any mitigations, as specified in the application.
14. 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.
15. 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.
16. 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.
17. 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 *Energy Resource Activities Act.*

    This assessment must be provided to the BC Energy Regulator upon request.
18. 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. The permit holder must ensure that 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.

c. Except with leave of the BC Energy Regulator, the permit holder must ensure that bridges meet the criteria set out in i. or ii. below:

i. the bridge 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 return period
Bridge , 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

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.

d. Bridge abutments, footings and associated scour protection must be located outside the natural stream channel and must not constrict the channel width.

Archaeology

19. 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.

20. No construction activities are authorized in the vicinity of archaeology site(s) GgTn-5, GgTn-1, GgTn-6, GgTn-7, GgTn-8, GgTn-9, GgTn-12, GgTn-13, GgTn-15, and GgTn-16 without the issuance of one of the following:

a. 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; or

b. an archaeological impact assessment report with mitigation measures approved by the BC Energy Regulator where construction activities proceed in accordance with direction from the BC Energy Regulator.

Activity Specific Details, Permissions and Conditions

Facilities

Land Area Number: 100024923

Technical Specification Details

Facility ID: 00028274	**Facility Name:** KSLNG TOLLING GP A-035-B/103-O-01 001
Facility Type: LNG Facility **Equipment:** Compressor **Equipment:** Dehydrator **Equipment:** Facility Storage **Equipment:** Flare Stack **Equipment:** Generator **Equipment:** Incinerator	**Location:** A-035-B/103-O-01

Definitions

For the purposes of interpreting the below conditions that pertain to the LNG Facility:

LNG facility construction begins with the installation of foundations and other civil works and includes activities integral to the LNG facility including the construction of buildings and structures, assembly and integration of modular units. LNG facility construction does not include site preparation activities that precede the actual erection of the tanks, vessels, equipment and its associated foundations.

Commissioning means the period of time commencing when operations begin in accordance with section 11 of the LNGFR and ending when the first cargo of LNG is shipped from the LNG train.

For the purposes of interpreting the portions of this permit that pertain to flaring:

Normal operations exclude emergency conditions and commissioning.

Emergency conditions involve activation of facility safety systems that could lead to emergency flaring. Emergency flaring occurs when safety controls within the LNG facility are enacted to depressurize equipment to avoid possible injury or property loss resulting from explosion, fire or catastrophic equipment failure.

Process upset means short term deviations that require the operator to take measures that pre-empt activation of safety systems or prevent production loss. Process upset excludes safety systems activation.

Technical Facility Permissions

21. Subject to the conditions contained herein, the permit holder may flare gas from the six flares, identified as ""FLNG#1 Warm Flare", "FLNG#1 Cold Flare", "FLNG#1 LP Flare", "FLNG#2 Warm Flare", "FLNG#2 Cold Flare", and "FLNG#2 LP Flare" in the OVERPRESSURE PROTECTION, FLARING & BLOWDOWN PHILOSOPHY 418162-36789-000-PR-PHL-00001 Revision F for the following purposes:
    a. flare pilots;
    b. flare system backup purge;
    c. commissioning and start up;
    d. process upsets; and
    e. de-inerting of LNG carriers.

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

Facility Conditions

22. The permit holder must ensure that the engineering design and siting for the LNG facility is completed in accordance with CSA EXP276.2, "Design requirements for near-shoreline floating liquefied natural gas (FLNG) facilities".

23. The permit holder must ensure that the construction, operation and maintenance of the LNG facility are completed in accordance with CSA EXP276.2, “Design requirements for near-shoreline floating liquefied natural gas (FLNG) facilities”.
24. The permit holder must ensure that the engineering design and siting for marine structures, including foundations, associated with the LNG facility is completed in accordance with CSA Z276.1:25, “Design requirements for marine structures (DRMS) associated with LNG facilities”.
25. The permit holder must ensure that the construction, operation, and maintenance of the marine structures are completed in accordance with CSA Z276.1, “Design requirements for marine structures (DRMS) associated with LNG facilities”, as amended from time to time.
26. The permit holder must not undertake any construction of the FLNG facility mooring system(s) until it has submitted via email to postpermitrequests@bc-er.ca, referencing AD#100119349, a mooring assessment completed in accordance with CSA EXP276.2 clause 5.4 that reflects the final configuration of the FLNG facility mooring system(s). The mooring assessment must be signed and sealed by a qualified professional.
27. At least 5 months prior to arrival of the first FLNG facility to site, the permit holder must submit via email to postpermitrequests@bc-er.ca, referencing AD#100119349, an assurance plan completed in accordance with CSA EXP276.2 clause 12.3.2.3. The assurance plan must be signed and sealed by a qualified professional.
28. The permit holder must obtain and maintain certification for each FLNG facility by a classification society that has an authorization agreement with Transport Canada under the Delegated Statutory Inspection Program to inspect and certify vessels in accordance with rules or standards applicable to floating liquefied natural gas facilities and position mooring systems, for:
    a. all portions of each floating liquefaction, storage, and offloading unit; and
    b. the associated mooring systems.
29. The permit holder must obtain and maintain certification for each power barge by a classification society that has an authorization agreement with Transport Canada under the Delegated Statutory Inspection Program to inspect and certify vessels in accordance with rules or standards applicable to power barges and position mooring systems, for:
    a. hulls;
    b. the associated mooring systems; and
    c. the associated marine safety systems.
30. The LNG facility must not exceed any of the following:
    a. a maximum inlet gas rate of 56.6 e^6m^3/day (at 101.325 kPaa and 15°C);
    b. a maximum inlet gas H2S concentration of 3 ppm;
    c. a maximum of six LNG liquefaction trains;
    d. a maximum of 2 floating liquefaction, storage, and offloading units (FLNG facilities);
    e. a maximum of 10 membrane type LNG storage tanks;
    f. a maximum of one LNG carrier loading berth per FLNG facility;
    g. a maximum of two temporary power barges; or
    h. the following maximum storage limits:

Stored Substance	Maximum Storage Capacity
LNG	8 x 51,000 m3 +2 x 41,000 m3
Refrigerants	
Ethylene	2 x 435 m3

Propane	2 x 350 m3
Isopentane	2 x 350 m3
Condensates	4 x 2,400 m3
Diesel	
FLNG facilities	2 x 850 m3
Onshore	1,000 m3

31. The permit holder must not undertake commissioning or operation of the LNG facility until it has submitted via email to postpermitrequests@bc-er.ca, a Flaring Notification Plan. The Flaring Notification Plan must include notification processes specific to:

    a. Flaring during commissioning; and

    b. Flaring during operations.

32. The permit holder must not undertake commissioning or operation of the LNG facility until it has submitted via email to postpermitrequests@bc-er.ca, referencing AD#100119349, a Flaring Management Report that lists measures to design, construct, and operate the LNG facility to minimize flaring of gas and associated emissions, including but not limited to, black smoke during commissioning.

33. The Flaring Management Report must be submitted to the Regulator at least 18 months prior to commencement of commissioning.

34. The permit holder must notify the BCER via email to postpermitrequests@bc-er.ca, at least 24 hours before de-inerting an LNG carrier at the LNG facility.

35. The permit holder must implement the measures set out in the Flaring Management Report.

36. The LNG Facility must include a thermal oxidizer sized to manage continuous combustion of waste gas for each FLNG facility.

37. The permit holder must ensure that emissions from the flares and the thermal oxidizers do not:

    a. Create a hazard to public health or safety;

    b. Result in off-lease odours; or

    c. Result in injury to vegetation or wildlife.

38. Subject to section 18(3) of the Liquefied Natural Gas Facility Regulation (LNGFR), the permit holder must design, maintain and operate flares and the thermal oxidizer so that operation, other than flaring for emergency purposes, does not result in:

    a. The emission of black smoke during normal operations; or

    b. The emission of black smoke during process upsets that exceed a period or periods aggregating more than 15 minutes in any two hour period.

39. The permit holder must notify the Regulator at least 24 hours before a planned venting event, and within 24 hours of an unplanned venting event, if the event results in the release of any substance other than nitrogen from the LNG maintenance header vent(s).

40. The permit holder must not undertake any LNG facility construction until it has submitted via email to postpermitrequests@bc-er.ca, referencing AD#100119349, a study signed and sealed by a qualified professional evaluating available technologies for reducing environmental impacts, including greenhouse gas emissions, from the operational vents from the condensate storage tanks 131-TK-0001/0002, condensate off-spec storage tanks 131-TK-0021/0022, and dirty/clean slop tanks 131-TK-0011/0012 on each FLNG facility as per Process Flow Diagram 418162-36789-131-PR-PFD-00002 Rev D.

41. The permit holder must not undertake commissioning or operation of the LNG facility until it has submitted via email to postpermitrequests@bc-er.ca, a detailed noise impact assessment, signed and sealed by a qualified professional, which includes:

a. The sound power levels of the dominant noise sources and the basis of the sound powerlevel;

b. Details of noise mitigations applied;

c. Results showing the predicted dBA and dBC comprehensive sound levels under representative weather conditions at:

i. Receptor 1 (listed in condition 42 [survey within 2 years of completing commissioning]),

ii. Receptor 2 (listed in condition 42 [survey within 2 years of completing commissioning]), and

iii. far-field (1.5 km) locations; and

d. Noise contours that demonstrate that the LNG facility does not direct significantly more noise in any particular direction under representative weather conditions.

42. Within two years of completing commissioning, the permit holder must submit via email to postpermitrequests@bc-er.ca, referencing AD#100119349, a noise survey for the LNG facility which:

a. includes data measurement and an assessment of whether the noise emissions meet permissible sound levels (PSLs) as listed in the table below;
b. assesses whether the measured isolated time-weighted average dBC-dBA value for day and nighttime periods is equal to or greater than 20 dB;
c. assesses whether a clear tonal component exists at a frequency below 250 hertz;
d. subject to condition 44 [noise survey requirements related to environmental conditions], has been conducted
   i. at maximum operating conditions, or
   ii. at steady state if maximum operating conditions are not yet reached, provided that an additional noise survey is conducted once maximum operating conditions are reached;
e. utilizes the following receptors and PSLs as assessment locations.

Receptor	**UTM (Zone 9 NAD 83) Coordinates**		**Permissible Sound level dBA**	
	Easting	**Northing**	**Day**	**Night**
Receptor 1 R07(Pearse Island)	422994	6098197	50	40
Receptor 2 R09(East of Pearse Island)	427667	6097617	50	40

43. The permit holder may locate the noise survey equipment to an acoustically comparable location within a 75-meter radius of the target locations in the table identified above in condition 42 [survey within 2 years of completing commissioning].

44. The noise survey(s) required under condition 42 [survey within 2 years of completing commissioning] must be completed when there is no snow, ice, or frozen ground cover and ambient temperatures are above zero degrees Celsius for the duration of the survey.

45. If the LNG facility noise emissions exceed the PSLs listed in condition 42 [survey within 2 years of completing commissioning] above, the permit holder must complete a Noise Management Plan.

46. On request of the Regulator, the permit holder must submit, via email to postpermitrequests@bc-er.ca, referencing AD#100119349, noise surveys or additional assessments.

47. The permit holder must not undertake commissioning or operation of the LNG facility until it has implemented a documented Noise Management Program that includes:

a. roles and responsibilities,

b. identification of dominant noise sources,

c. a detailed noise impact assessment,

d. an annotated list of noise mitigation methods and a description of how the performance of noise mitigation methods will be assessed,

e. a description of how noise will be monitored and measured over the lifecycle of permitted activities,

f. a continuous improvement plan, and

g. a complaint response strategy which includes triggers for noise management plans.

The Noise Management Program must address noise from both commissioning and operation.

48. The permit holder must, prior to LNG Facility construction, submit an updated report(s), which discusses all LNG facility operational air and effluent discharges and includes:

    a. a summary of completed modeling work to assess impacts on the receiving environment,

    b. key results from modeling work completed,

    c. comparison to available provincial air quality objectives and water quality guidelines,

    d. preliminary best available technology assessment and steps taken to minimize impact on receiving environment,

    e. steps considered but not implemented to minimize impact on receiving environment and rationale for their exclusion,

    f. plans for any additional sampling, testing, technology qualification, modeling, and other relevant activities prior to operation, and

    g. a summary that demonstrates the qualifications and professional experience of the author(s) as they relate to the contents of the report.

49. The permit holder must select, install, and maintain a lighting design that conforms to the Guide on the Limitation of the Effects of Obtrusive Light from Outdoor Lighting Installations, Commission Internationale de l'Eclairage (CNC/CIE) 150:2017, as amended from time to time. The design must incorporate the following mitigation measures:

    a. Minimizing the brightness of lights and the amount of lighting required while ensuring safe operation of the facility,

    b. Use of automated sensors that shut down lighting in areas of no activity, where it is safe to do so, and

    c. Re-angling, shading, shielding, or screening of lighting to direct lighting downward and inward and to avoid glare at receptors.

50. The permit holder must not undertake any LNG facility construction until it has submitted all of the following via email to postpermitrequests@bc-er.ca, referencing AD#100119349:

    a. An updated geotechnical analysis for construction and operations signed and sealed by a qualified professional which includes

        i. evaluation of credible risks of construction-induced landslides from piling, and

        ii. evaluation of groundwater and its effects on construction work.

    b. An updated seismic analysis signed and sealed by a qualified professional which includes quantification of the liquefaction potential.

    c. Debris flow and debris flood hazard assessment for WC-04 R1, signed and sealed by a qualified professional, including peak discharge estimates, sediment concentration estimates, detailed susceptibility mapping, runout modelling, and recommended debris flow mitigation measures such as diversion and catchment structures.

51. The permit holder must not undertake any LNG Facility construction until it has submitted via email to postpermitrequests@bc-er.ca, referencing AD#100119349, a Metocean Analysis Report, signed and sealed by a qualified professional which includes:

a. For generalized and site-specific data: parameter, data source, monitoring station location, capture duration,

b. Analysis of any variances between the generalized and site-specific data with respect to the Basis of Design,

c. Methodology for obtaining 100-year return period conditions from the available data set, and

d. Rationale for any scaling or adjustment to parameters to accommodate data uncertainty.

52. The permit holder must not undertake commissioning or operation of the LNG facility until it has submitted via email to postpermitrequests@bc-er.ca, referencing AD#100119349, relevant excerpts of the facility operations manual, per CSA EXP276.2 clause 10.7, which describe the permit holder's approach to continuous monitoring and evaluation of local wind, wave, and current parameters.

53. The permit holder must ensure that the LNG facility operates in accordance with the facility operations manual described in CSA EXP276.2 clause 10.7.

54. The permit holder must identify, incorporate, and document rationale for design parameters that address the effects of climate change in the engineering design basis of the LNG facility. The effects of climate change must include, but are not limited to, temperature variation, precipitation changes, sea level rise, and extreme weather events.

55. The permit holder must not undertake any LNG facility construction until it has submitted via email to postpermitrequests@bc-er.ca, referencing AD#100119349, an updated tsunami hazard study report for the LNG facility site, consistent with CSA EXP276.2. clauses A.2.2 and A.2.3, signed and sealed by a qualified professional, that includes:

    a. supporting detail which shows all credible origins and orientations of landslide induced tsunamis have been included in the tsunami hazard study, and

    b. supporting detail for credible seismically induced tsunamis, including the 2,475-year return period event.

56. The permit holder must not undertake any LNG facility construction of the FLNG facility mooring system until it has submitted via email to postpermitrequests@bc-er.ca, referencing AD#100119349, a report, signed and sealed by a qualified professional, that demonstrates the risk of failure of the mooring system as a result of the worst case tsunami event identified in the updated tsunami hazard study report, required under permit condition 55, occurring while an LNG carrier is moored at the terminal is As Low As Reasonably Practicable (ALARP). The report must include key assumptions, methodology, input data, consequence analyses, and an evaluation of potential risk reduction strategies.

57. The permit holder must include mitigations in the permit holder's emergency response plan to address risks associated with the worst case tsunami event identified in the updated tsunami hazard study report, in accordance with CSA EXP276.2. The plan shall include event(s) where an LNG carrier is moored at the LNG Facility.

58. The permit holder must not undertake any LNG Facility construction until it has submitted via email to postpermitrequests@bc-er.ca, referencing AD#100119349, an updated quantitative risk assessment, signed and sealed by a qualified professional, that demonstrates compliance with Clause 14 of CSA Z276. The assessment must include the following:

    a. a detailed frequency assessment that describes the data sources used in the analysis, parts counts, and all assumptions applied;

    b. a detailed assessment of the frequency and consequences of LNG loading incidents, including loading system failures due to ship movement, and the potential for failure of the loading system emergency shutdown systems;

    c. presentation of figures with a consistent background image that clearly shows the graphical scale, major elements of the facility plot plan, water line, facility boundary, and relevant local features;

d. a report that details the 20 largest contributors to location specific individual risk outside the property line as defined by district lots and water lots;

e. a report that details the 20 largest contributors to risk inside the property line as defined by district lots and water lots;

f. a report demonstrating whether the risks are ALARP for the operational phase; and

g. a report demonstrating how mitigation measures have ensured the risks are not intolerable for the operational phase, where intolerable risk is defined by CSA Z276 Clauses 14.3.4.3, 14.3.4.4, and 14.3.4.5.

59. The permit holder must not undertake commissioning or operation of the LNG facility until it has submitted via email to postpermitrequests@bc-er.ca, referencing AD#100119349:

    a. a plan for implementation of a marine safety zone within all marine portions of the activity area at all times;

    b. documentation signed and sealed by a qualified professional verifying that the required Safety Integrity Levels were achieved;

    c. an updated quantitative risk assessment, signed and sealed by a qualified professional to demonstrate compliance with Clause 14 of CSA Z276, that includes the following:

        i. a detailed frequency assessment that describes the data sources used in the analysis, parts counts, and all assumptions applied;

        ii. a detailed assessment of the frequency and consequences of LNG loading incidents, including loading system failures due to ship movement, and the potential for failure of the loading system emergency shutdown systems;

        iii. presentation of figures with a consistent background image that clearly shows the graphical scale, major elements of the facility plot plan, water line, facility boundary, and relevant local features;

        iv. a report that details the 20 largest contributors to location specific individual risk outside the property line as defined by district lots and water lots;

        v. a report that details the 20 largest contributors to risk inside the property line as defined by district lots and water lots;

        vi. a report demonstrating whether the risks are As Low As Reasonably Practicable (ALARP) for the operational phase; and

        vii. a report demonstrating how mitigation measures have ensured the risks are not intolerable for the operational phase, where intolerable risk is defined by CSA Z276 Clauses 14.3.4.3, 14.3.4.4, and 14.3.4.5.

60. The permit holder must implement a marine safety zone in accordance with the plan submitted via email to postpermitrequests@bc-er.ca, referencing AD#100119349, pursuant to condition 59 (a) above.

61. The permit holder must ensure that measurement equipment and associated methodology required by section 16 of the LNGFR achieve the applicable standards of accuracy set out in table below.

	Maximum Uncertainty of Monthly Volume	Single Point Measurement Uncertainty
1) LNG product deliveries	N/A	2%
2) Condensate product deliveries Delivery point measures >100m3 /d Delivery point measures ≤100m3/d	 N/A N/A	 0.5% 1%
3) Plant Inlet Gas	5%	3%
4) Refrigerant import	N/A	2%

5) Fuel Gas >0.5e3m3/d ≤0.5e3m3/d	 5% 20%	 3% 10%
6) Flare and Vent Gas	20%	5%
7) Acid Gas	N/A	10%

62. The permit holder must not undertake commissioning or operation of the LNG facility until it has developed a calibration and maintenance plan for the measurement equipment required by section 16 of the LNGFR.
63. The permit holder must operate in accordance with the plan required by condition 62 above.
64. The permit holder must submit the notice required under section 3(1)(g) of the LNGFR in writing to pipelines.facilities@bc-er.ca, referencing AD#100119349, and by submitting a “Notice of Construction Start” form through KERMIT.
65. The permit holder must not undertake any LNG Facility construction until it has submitted via email to postpermitrequests@bc-er.ca, referencing AD#100119349, an operating phase drainage control plan for onshore facilities, including design, operation, and maintenance requirements.

Short Term Water Use

Short Term Water Use Number - 0006788
Approval Period: From: November 4, 2025 To: November 4, 2027

Activity Details

Point of Diversion No.: 002	**Water Source Name:** WC-04
Type: Stream/River **Purpose:** Oil and Gas & Storage **Location (UTM):** Zone 09, Northing 6097745, Easting 424295 **Maximum Withdrawal Rate (m3/s):** 0.002 **Daily Withdrawal Volume (m3/day):** 103 **Total Withdrawal Volume (m3):** 62400	
Point of Diversion No.: 003	**Water Source Name:** WC-02
Type: Stream/River **Purpose:** Oil and Gas & Storage **Location (UTM):** Zone 09, Northing 6098138, Easting 423912 **Maximum Withdrawal Rate (m3/s):** 0.002 **Daily Withdrawal Volume (m3/day):** 103 **Total Withdrawal Volume (m3):** 62400	

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

Short Term Water Use Conditions

66. No instream works are permitted under this Short Term Water Use authorization.
67. A copy of this authorization must be available for inspection at the point of diversion and use location(s).
68. Water withdrawn under this authorization must only be used for the purposes of carrying out the energy resource activities or related activities.
69. Water must not be diverted or withdrawn from any beaver pond.
70. 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'.
71. 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 BC Energy Regulator on a quarterly basis via eSubmission. Quarterly reports are due on or before April 25, July 25, October 25 and January 25.

72. At any time, the BC Energy Regulator may suspend short term water use previously authorized. Water use suspensions will remain in place until such time as the BC Energy Regulator notifies permit holders that water withdrawals may resume.

73. Water withdrawals from POD #002 & #003 are not authorized during the months of July and August.

74. Stream water temperature at the POD location must be monitored before, during, and after any water withdrawals from POD#002 and POD#003. Water withdrawals must cease if the water temperature at the POD location reaches 10 degrees Celsius. Accurate records of all temperature measurements must be kept and submitted to the BC Energy Regulator upon request

75. 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.

POD Number 002 Only:

76. On any day when water is being withdrawn from POD#002, and prior to any water withdrawals, the stream wetted depth and discharge at POD#002 must be measured.

    All discharge measurements must be consistent with the Manual of British Columbia Hydrometric Standards. Accurate records of measured discharge (in m3/s), stream wetted depth(in m) and the total daily water withdrawal volume (in m3) must be retained and made available to the BC Energy Regulator upon request.

    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 diversion will cause the stream (wetted) depth to fall below 0.30 metres (12 inches) at the withdrawal location

POD Number 003 Only:

77. On any day when water is being withdrawn from POD#003, and prior to any water withdrawals, the stream wetted depth and discharge at POD#003 must be measured.

    All discharge measurements must be consistent with the Manual of British Columbia Hydrometric Standards. Accurate records of measured discharge (in m3/s), stream wetted depth(in m) and the total daily water withdrawal volume (in m3) must be retained and made available to the BC Energy Regulator upon request.

    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;

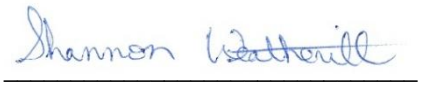
    c. stream (wetted) depth is less than 0.30 metres (12 inches) at the withdrawal location; or

    d. the diversion will cause the stream (wetted) depth to fall below 0.30 metres (12 inches) at the withdrawal location

Advisory Guidance

1. CIAS Sketch Plan - CIAS Mapping.pdf, Diversion Map - KSI-1002039 POD Mapping.pdf, Construction Plan - Facility Site 10K 20240919.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 Energy Resource Activity Operations Manual on the BC Energy Regulator's website.
3. 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.
4. Under the authority of the *Environmental Management Act* a discharge permit must be in place prior to the Commissioning of the subject application.

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



Shannon Weatherill
Authorized Signatory
BC Energy Regulator Delegated Decision Maker

Copied to:

Land Agent – CWL Energy Management Ltd.
First Nations – Gitga'at First Nation, Kitselas First Nation, Kitsumkalum First Nation, Lax-Kw'alaams Band, Metlakatla First Nation, Nisga'a Lisims Government
Landowners/Rights Holders