

LNG Canada Development Inc.
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Canada

January 31, 2023

Compliance and Enforcement
Environmental Assessment Office
PO Box 9426 Stn Prov Govt
Victoria, BC V8W 9V1

Via email: eao.compliance@gov.bc.ca

Re: LNG Canada Development Inc. (“LNG Canada”) Export Terminal Project, Schedule B, Environmental Assessment Certificate #E15-01 - Condition #1b Compliance Report

Condition #1b to Environmental Assessment Certificate (EAC) #E15-01 requires that:

The Holder must submit a report to EAO Compliance and Enforcement staff on the status of compliance with the Conditions of this Certificate, and the conditions in Schedule B, at the following times:

b. On or before January 31 in each year after the start of construction;

Therefore, please find enclosed the LNG Canada Annual Status of Compliance Report for the 2022 reporting year.

We trust you will find the attached satisfactory. If you have any questions or concerns, please do not hesitate to contact the undersigned.

Yours sincerely,

Erin Furlong
Environmental Compliance Lead (Execute)
LNG Canada Development Inc.

Cc:/ Lisa Jamieson, LNG Canada
Chris Horne, LNG Canada
Alaura Bruce, LNG Canada

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**LNG Canada
 2022 EAO Self-Assessment Annual Report**

EAC Condition Reference	EAC Condition	Activity to Fulfill Condition Requirements (2022 Annual Report)	Condition Status: Complete, Ongoing or To Be Initiated	EAC Holder Assessment of Compliance Status
Schedule B - Table of Conditions				
1	<p>The Holder must develop, in consultation with MOE, MOH and OGC, and implement, an air quality management plan which specifies mitigation measures to reduce air emissions during Construction, and sets out the means by which the mitigation measures in the Mitigation Table under the heading "air quality" (section 5.2) related to Construction will be implemented. The Holder must demonstrate reasonable efforts to engage Aboriginal Groups in developing and sharing information regarding implementation of the plan.</p> <p>The Holder must provide the plan to EAO, MOE, MOH, OGC, and Aboriginal Groups no less than 30 days prior to the Holder's planned date to commence Construction. The Holder must implement the final plan to the satisfaction of EAO.</p> <p>Prior to commencing Operations, the Holder must develop an air quality management and monitoring plan, in consultation with MOE, MOH, and OGC, which must:</p> <ul style="list-style-type: none"> -Set out the means by which the mitigation measures in the Mitigation Table under the heading "air quality" (section 5.2) related to Operations will be implemented; -Specify the measures to monitor air emissions impacts to air, soil, water, and/or vegetation; -Include the results of sufficient baseline data to support monitoring; -Establish the approach for the regular reporting of air emissions and the effects from air emissions, including reporting to appropriate government agencies, Aboriginal Groups and the public; and -Specify an adaptive management plan to address the effects related to air quality, including the effects of air quality on soil, water and vegetation, if those effects are not mitigated to the extent identified in the Application or if unexpected effects occur. <p>The Holder must demonstrate reasonable efforts to engage Aboriginal Groups in developing and sharing information regarding implementation of the plan.</p> <p>The Holder must provide the plan to EAO, MOE, MOH, OGC, and Aboriginal Groups no less than 30 days prior to the Holder's planned date to commence Commissioning. The Holder must implement the final plan to the satisfaction of EAO.</p> <p>If the Province establishes a regional air quality and deposition monitoring program for the airshed in which the Project is located, the Holder must participate in the program to the satisfaction of MOE, OGC and EAO.</p>	<p>Construction The LNG Canada Air Quality Management Plan was last updated in August 2021.</p> <p>In 2022, 21 air quality-related inspections were completed by Environmental Monitors on site.</p> <p>Water trucks were used throughout the spring and into the summer/fall to reduce dust generation, in conjunction with the application of magnesium chloride (MgCl) as a dust suppressant. Although there were instances when improvements were required, fugitive dust emissions for sensitive receptors were effectively controlled.</p> <p>In 2022, all capped slopes of the permanent soil stockpile were seeded, with positive vegetation growth observed. In 2023, remaining permanent soil stockpile construction works will be completed and the final slopes will be capped and seeded.</p> <p>No open burning occurred in 2022.</p> <p>The Project obtained a waste discharge authorization from the BC Oil and Gas Commission during 2022, for the operation of an Air Curtain Incinerator (ACI) to burn clean wood waste generated by the construction of the Project for a period up to 15 months. ACI operations commenced in November 2022 and continue intermittently.</p> <p>LNG Canada engages in regular communication with Haisla Nation (i.e., at least weekly) regarding all LNG Canada activities at site. Through these regular engagements, issues and concerns are raised and addressed in a transparent and collaborative manner. In addition to these regular communications, LNG Canada and Haisla Nation also have a formal standing bi-weekly environment and regulatory permitting meeting.</p> <p>Operations The development of the Air Quality Management and Monitoring Plan (Operations) commenced in 2022, in conjunction with the Waste Discharge Authorization (WDA) Permit application for Air Emissions. The Project engaged with Indigenous Groups during 2022 through the development of the WDA permit application material, which will be used to inform the content of the Air Quality Management and Monitoring Plan (Operations). Consultation and engagement activities with ENV, MOH, OGC and Indigenous Groups are forecast for Q1 2023.</p>	Ongoing	In Compliance

**LNG Canada
2022 EAO Self-Assessment Annual Report**

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2	<p>The Holder must develop, in consultation with OGC and the District of Kitimat, a noise management plan for construction that sets out the means by which the mitigation measures related to Construction in the Mitigation Table under the heading “acoustic environment” (section 5.4) will be implemented. The Holder must demonstrate reasonable efforts to engage with Haisla Nation in developing and sharing information regarding implementation of the plan.</p> <p>The Holder must provide the final plan to EAO, OGC, DOK and Haisla Nation no less than 30 days prior to the Holder’s planned date to commence Construction. The Holder must implement the plan to the satisfaction of EAO.</p> <p>During Operations the Holder must be designed to comply with the OGC Noise Control Best Practices Guidelines (2009).</p>	<p>Construction The LNG Canada Noise Management Plan was last updated in August 2021.</p> <p>In 2022, 17 noise inspections were undertaken by Environmental Monitors on site.</p> <p>One noise (nuisance) complaint was received in 2022. On March 09, 2022, JFJV received a complaint that noise levels of over 80 decibels were heard for a few nights in Strawberry Meadows area. JFJV investigated the complaint and found that no piling or other noisy activities were being undertaken after 10pm by the Project. The community impact manager relayed this information to the complainant who was satisfied with the follow-up and no further complaints were made.</p> <p>Additionally, on November 10, 2022, during a Haisla – LNG Canada meeting, a query was raised regarding piling noise being heard up until 10 pm and whether piling work would be completed by end of 2022. At the same meeting an additional request was made for piling to cease earlier than 10 pm. Haisla asked LNG Canada to confirm when this scope of work would be complete so that Haisla had accurate information and could be prepared to answer any questions from community members should they arise. LNG Canada followed up with Haisla via email to confirm that the piling scope was estimated to be completed by mid/end of January.</p> <p>LNG Canada engages in regular communication with Haisla Nation (i.e., at least weekly) regarding all LNG Canada activities at site. Through these regular engagements, issues and concerns are raised and addressed in a transparent and collaborative manner. In addition to these regular communications, LNG Canada and Haisla Nation also have a formal standing bi-weekly environment and regulatory permitting meeting.</p> <p>Operations Pursuant to the Facility Permit, the Project is required to develop and implement a Noise Management Program to the satisfaction of the BC Oil and Gas Commission that complies with the applicable requirements set out the “British Columbia Noise Control Best Practices Guideline”. The development of the Noise Management Program commenced in 2022 and will be submitted to the OGC in 2023.</p>	Ongoing	In Compliance
3	<p>The Holder must develop a greenhouse gas emissions management plan in consultation with MNGD and CAS that sets out the means by which the greenhouse gas management mitigation measures related to Operations in the Application Table 20.0-1 will be implemented. The Holder must demonstrate reasonable efforts to engage Aboriginal Groups in developing and sharing information regarding implementation of the plan.</p> <p>The Holder must provide the final plan to EAO, MNGD, CAS and Aboriginal Groups no less than 30 days prior to the Holder’s planned date to commence Commissioning. The Holder must implement the plan to the satisfaction of EAO.</p>	<p>The development of the Greenhouse Gas Emissions Management Plan commenced in 2022. Consultation and engagement activities with Ministry of Mines, Energy and Low Carbon Innovation (formerly MNGD), CAS and Indigenous Groups are forecast for Q1 2023.</p>	Ongoing	In Compliance

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4	<p>The Holder must develop, in consultation with DFO and OGC, a fish management and monitoring plan that must:</p> <ul style="list-style-type: none"> -Describe measures to avoid or mitigate impacts to fish and fish habitat; -Identify reduced risk work windows, and the work that will occur within these windows; -Identify any work that will occur outside of the reduced risk work windows, and measures to mitigate impacts to fish and fish habitat; -Specify measures to salvage and relocate fish where instream works will isolate freshwater fish habitat; and -Describe how the Kitimat River eulachon population are considered in the development of mitigation measures, including any Fish Habitat Offsetting Plan submitted to DFO; and -Specify an adaptive management plan to address the effects on fish and fish habitat, if those effects are not mitigated to the extent identified in the Application, or if unexpected effects occur. <p>The Holder must demonstrate reasonable efforts to engage with Haisla Nation in developing and sharing information regarding implementation of the plan.</p> <p>The Holder must provide the final plan to EAO, DFO, OGC and Haisla Nation no less than 30 days prior to the Holder's planned date to commence Construction. The Holder must implement the plan to the satisfaction of EAO.</p>	<p>Construction</p> <p>The LNG Canada Fish Habitat Management Plan was last updated in August 2021.</p> <p>Related to the Fish Management and Monitoring Plan, LNG Canada has in place four Fisheries Act Authorizations for the Project: FAA 15-HPAC-00918 (FAA1) for the Workforce Accommodation Centre, FAA 16-HPAC-00220 (FAA2) for the LNG Facility, FAA 16-HPAC-01079 (FAA3) for supporting infrastructure, and FAA 15-HPAC-00585 for marine works.</p> <p>In 2022, the LNG Canada Project completed maintenance works on several of the existing offsets to promote function as per effectiveness monitoring. All works were in accordance with the mitigations outlined in the Fish Management and Monitoring Plan, Fisheries Act Authorizations and / or DFO letters of advice.</p> <p>In July of 2022, a fish morality event was self-disclosed by JFJV to DFO and RAPP. Six deceased stickleback observed in the temporary construction stormwater ponds. Fish salvage activities occurred under a permit from the BC Ministry of Forests, Lands, Natural Resource Operations and Rural Development and Fisheries and Oceans Canada; with over 70,000 stickleback salvaged from the temporary construction storm water ponds to support decommissioning activities.</p> <p>During the reporting year, Haisla-Triton Limited Partnership successfully carried out the fish and amphibian salvage program to support construction, salvaging 192,220 freshwater fish, 2 marine fish, and 138,961 amphibians. Mortalities associated with salvage activities were low in comparison, with 1,241 freshwater fish, zero marine fish, and 88 amphibians. During the reporting year, JFJV successfully carried out a supplemental amphibian salvage program to support construction, salvaging 121 amphibians. No mortalities were associated with these salvage activities.</p> <p>LNG Canada engages in ongoing consultation with Haisla Nation and other Indigenous Groups related to the implementation of the management plan as well as related FAAs and OGC Section 11 permits as applicable. Engagements with Haisla and DFO are across all fisheries related items, including fish related incidents, associated with the Fisheries Act authorizations. Examples of such engagements include but are not limited to works in and around timing windows, including salvage efforts, offset construction status and effectiveness, incident management, monitoring programs and their effectiveness, including continual improvement and required monthly / annual reporting. Specific engagements with Haisla Nation around fish and fish management in 2022, include but are not limited to:</p> <ul style="list-style-type: none"> • Various DFO Requests for Reviews: Anderson Creek bedload removal, Tug Berth construction, Kitimat River rock weir and marine effluent outfall • Bi-weekly meetings to discuss in-water works, permitting activities and habitat offsets • Oolichan Research Program, as part of the authorized FAA Complementary Measure • Complementary offsetting for FAA1, including FAA amendment 	Ongoing	In Compliance

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5	<p>The Holder must develop, in consultation with DFO and OGC, a marine mammal management and monitoring plan applicable during Construction that must:</p> <ul style="list-style-type: none"> -Identify the geographic areas where, and periods of time when, Construction could cause injury to marine mammals; -Identify the geographic areas where, and periods of time when, Construction could cause behavioural change to marine mammals; -Identify the time periods when elevated marine mammal occupancy is anticipated within the areas of potential injury to marine mammals or areas of potential behavioural change; -Specify the role of a Qualified Professional in observing and reporting marine mammals in the areas of potential injury to marine mammals during Construction; -Specify the construction activities (e.g. blasting, pile driving) which must stop or not start if a marine mammal is sighted in the areas of potential injury to marine mammals, and not re-start until the marine mammal has moved out of the relevant area; and -Specify mitigation measures for construction noise that will prevent or reduce behavioural change or injury to marine mammals. <p>The Holder must demonstrate reasonable efforts to engage Aboriginal Groups in developing and sharing information regarding implementation of the plan.</p> <p>The Holder must provide the plan to EAO no less than 60 days prior to the Holder's planned date to commence Construction in the marine environment. The Holder must not commence construction in the marine environment until the plan is approved by EAO. Once approved, the Holder must also provide the final plan to DFO, OGC, and Aboriginal Groups. The Holder must implement the plan to the satisfaction of EAO.</p> <p>The Holder must develop, in consultation with DFO, TC, and the Pacific Pilotage Authority, a marine mammal management and monitoring plan for Operations that must:</p> <ul style="list-style-type: none"> -Identify the geographic areas where, and periods of time when, Operations could cause behavioural change or injury to marine mammals; -Specify the speed profiles to prevent or reduce the risks of collisions between the Holder's LNG carriers and marine mammals and to prevent or reduce risk of marine mammal behavioural change caused by noise from the Holder's LNG carriers; -Specify the terms of a study during Operations to improve understanding of the behavioural disturbance or injury to marine mammals from shipping related to the Project; and -Specify an adaptive management plan to address the effects on marine mammals, if those effects are not mitigated to the extent identified in the Application or if unexpected effects occur. <p>The Holder must demonstrate reasonable efforts to engage Aboriginal Groups in developing and sharing information regarding implementation of the plan.</p> <p>The Holder must provide the plan to EAO no less than 60 days prior to the Holder's planned date to commence Operations. The Holder must not commence Operations until the plan is approved by EAO. Once approved, the Holder must also provide the final plan to DFO, TC and Aboriginal Groups. The Holder must implement the plan to the satisfaction of EAO.</p> <p>As requested by EAO, the Holder must participate in provincial or federal government initiative(s) that seek to manage or monitor the cumulative effects of shipping on marine mammals in areas overlapping the Certified Marine Route or Certified Pilot Boarding Area, as shown on Figure 3 of the Certified Project Description.</p>	<p>Construction</p> <p>The LNG Canada marine EMPs were approved by EAO in 2018. LNG Canada Marine Plans, to meet various conditions in the EAC as well as related marine permit conditions, consist of the Marine Activities Plan (MAP), Marine Access Traffic Management Plan (MATMP), Dredge Environmental Management Plan (DEMP), and Marine Monitoring Plan (MMP).</p> <p>In-water dredge works for minor clean up began in April 2022 and continued through to May 2022, including obstacle and known debris removal, as well as management of dredgeate classified as below industrial limits. Dredging was completed on May 25, 2022.</p> <p>As of the end of 2022, works at Berth 2 are 98% complete, the Trestle is 87% complete and the Marine Outfall is 35% complete. Works undertaken in 2022 include (but not limited to) the installation of scour mats along the quay wall on the seabed floor, and the installation of six piles for the Offshore Mooring Dolphin at Berth 2 and 231 piles along the Trestle corridor. A qualified EM was present during all in-water construction activities. Both in-water vibratory and impact-hammer piling was undertaken during the reporting year; vibro-hammers are typically used for approximately the first 14 meters at Berth 2 and 20 meters along the Trestle corridor, after which impact piling is used due to geotechnical reasons, and also when rejection of the vibro-hammers was encountered. Works at the Marine Outfall included the construction of an intertidal access ramp, partial installation of the concrete ballast mats, and floating of the twin outfall pipes.</p> <p>The MMP was implemented for in-water works. The Program includes the identification of monitoring and exclusion zones, as well as stop work criteria related to these zones. The Marine Mammal Observation (MMO) program has been active and continuous throughout in-water works. Marine mammal observations are recorded daily for both day and night shifts, which are used to develop monthly summary reports. Shutdowns related to the marine mammal observation program that took place in the LNG Canada dredge pocket were due to mammal presence in the exclusion zones. There was 1 MMO-related dredging operation disruption in 2022. In-water activities at Berth 2, the Trestle and Marine Outfall were shut down for a total of approximately four (4) hours related to the marine mammal observation program in 2022.</p> <p>In 2022, the following marine water quality event was self-disclosed by JFJV (EMBC, OGC):</p> <ul style="list-style-type: none"> • A chunk of concrete was recovered from the seabed at the marine terminal during dredging activities, indicating that a concrete pour at Berth 2 in May 2022, had leaked through a gap in the outer sheet of the piles at the quay wall to marine waters. <p>LNG Canada continues to consult with Indigenous Groups on implementation of the marine mammal observation program as appropriate. Environmental field reports are shared with Indigenous Groups as defined in the MMP.</p>	Ongoing	In Compliance

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		<p>Operations</p> <p>Development of the Marine Mammal Management and Monitoring Plan for Operations will commence in 2023.</p>		
6	<p>The Holder must develop a marine water quality management and monitoring plan for Construction for the Certified Dredge Area. The plan must be developed in consultation with MOE, MOH, DFO and OGC.</p> <p>The Holder must demonstrate reasonable efforts to engage with Haisla Nation in developing and sharing information regarding the implementation of the plan.</p> <p>A Qualified Professional must develop the plan and supervise the implementation of the plan. The plan must include:</p> <ul style="list-style-type: none"> -Mitigation measures to minimize sediment dispersion, including, but not limited to, isolation methods; -Measures to monitor onsite sediment and water quality, particularly in relation to the re-suspension and bioavailability of polycyclic aromatic hydrocarbons, polychlorinated dibenzo-p-dioxins and furans; -An approach to communicate any exceedances of CCME Water Quality and Interim Sediment Quality Guidelines, and BC Water Quality Guidelines and Working Sediment Quality Guidelines to the appropriate regulatory authorities, and to remedy or reduce risks of those exceedances to human health; -An assessment of the risk for, and potential duration of, any exceedances of CCME Water Quality and Interim Sediment Quality Guidelines, and BC Water Quality Guidelines and Working Sediment Quality Guidelines for British Columbia during dredging activity and following Construction, and identification of mitigation to address such exceedances; -An adaptive management plan to address the effects on water quality predicted, if those effects are not mitigated to the extent identified in the Application, or if unexpected effects occur; -The results of shellfish and groundfish tissue sampling to form a baseline, to the satisfaction of EAO, including the completion of an associated human health risk assessment; and -A post-dredging follow-up program to confirm the human health risk assessment predictions, including potential additional tissue sampling to confirm the assessment of predictions regarding the bioavailability and bioaccumulation of toxins in marine organisms consumed by humans. <p>The Holder must provide the plan to EAO no less than 60 days prior to the Holder's planned date to commence Construction in the marine environment. The Holder must not commence Construction in the marine environment until the plan is approved by EAO. Once approved, the Holder must also provide the final plan to MOE, MOH, DFO, OGC, and Haisla Nation. The Holder must implement the plan to the satisfaction of EAO.</p> <p>The Holder must, in consultation with MOE, DFO and OGC, develop a marine water quality monitoring plan for Operations to ensure that any effluent discharge from the facility marine outfall meets BC Water Quality Guidelines for the protection of marine life. The plan that must:</p> <ul style="list-style-type: none"> - Establish the initial dilution zone from the discharge point of the outfall pipe; and - Specify a monitoring program to confirm adherence to the BC Water Quality Guidelines for the protection of marine life. <p>The Holder must demonstrate reasonable efforts to engage Haisla Nation in developing and sharing information regarding implementation of the plan. The Holder must provide the plan to EAO no less than 60 days prior to the Holder's planned date to commence Operations. The Holder must not commence Operations until the plan is approved by EAO. Once approved, the Holder must also provide the final plan to MOE, DFO, OGC, and Haisla Nation. The Holder must implement the plan to the satisfaction of EAO.</p>	<p>Construction</p> <p>The LNG Canada marine EMPs were approved by EAO in 2018. LNG Canada Marine Plans, to meet various conditions in the EAC as well as related marine permit conditions, consist of the Marine Activities Plan (MAP), Marine Access Traffic Management Plan (MATMP), Dredge Environmental Management Plan (DEMP) and the Marine Monitoring Plan (MMP).</p> <p>In-water dredge works for minor clean up began in April 2022 and continued through to May 2022, including obstacle and known debris removal, as well as management of dredgeate classified as below industrial limits. Dredging was completed on May 25, 2022. In August of 2021, after completion of the main dredging program, LNG Canada shared the third of three required technical memos related to Section 6.7 (Biomonitoring) Baseline Lab Data for Marine Country Foods as outlined in the LNGC Canada MMP.</p> <p>In 2022, dredging water quality monitoring programs as outlined in the MMP were executed as required under the supervision of qualified professionals. Monitoring streams include collection of water quality data related to obstacle removal and dredging activities. Throughout 2022, reports for the LNG Canada project have been shared as required by the MMP for the duration of identified construction activities/monitoring programs, including marine mammals, sediment deposition and marine water quality.</p> <p>Nine (9) exceedances of contaminants of concern occurred on five (5) days during April/May 2022 dredging activities. For the most part, these exceedances were expected to be due to natural environmental variation and did not have long term environmental impact.</p> <p>In 2022, the following marine water quality event was self-disclosed by JFJV (EMBC, OGC):</p> <ul style="list-style-type: none"> • A chunk of concrete was recovered from the seabed at the marine terminal during dredging activities, indicating that a concrete pour at Berth 2 in May 2022, had leaked through a gap in the outer sheet of the piles at the quay wall to marine waters. <p>LNG Canada continues to consult with Haisla Nation and other Indigenous Groups on implementation of the water quality monitoring program as appropriate. Indigenous consultation discussions in 2022 included, but were not limited to:</p> <ul style="list-style-type: none"> • Bi-weekly meetings with Haisla Nation to discuss in-water works and permitting activities • Regular water quality management compliance updates to Haisla and Gitga'at • Monthly meeting with Gitga'at to discuss Marine scope and related Environmental Management Plan implementation 	Ongoing	In Compliance

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		<ul style="list-style-type: none"> Site tour with Gitga'at in June 2022, and with Haisla in October 2022 to view construction progress including water quality management at site. <p>Operations The development of the Marine Water Quality Monitoring Plan (Operations) for the facility marine outfall commenced in 2022, in conjunction with the Waste Discharge Authorization (WDA) Permit application for Effluent. The Project has engaged with Haisla Nation during 2022 through the development of the WDA permit application material. The Marine Water Quality Monitoring Program is included in the permit application (Technical Assessment Report), which will be subject to consultation and engagement activities with the OGC, ENV, DFO, and Haisla Nation in Q1 2023, prior to submission of the permit application to the OGC.</p>		
7	<p>The Holder must conduct an assessment to determine feasibility of implementing wind firming techniques prior to site clearing. The assessment must be conducted by a Qualified Professional. Should the Qualified Professional determine that wind firming techniques are feasible, they must be implemented to the satisfaction of EAO.</p> <p>The Holder must maintain a mature vegetation buffer of at least 30 metres between the Kitimat River and the Certified Project Area shown on Figure 1 of the CPD, where such a buffer currently exists, unless both of the following apply: removal or alteration of the buffer is required for safety or regulatory reasons, and the removal or alteration is authorized by OGC.</p>	<p>Construction Throughout 2022, minor vegetation maintenance, danger tree removal and clearing was conducted within the Project Footprint. No maintenance or clearing occurred within 30m of the Kitimat River. All wind firming works have been completed for the Project and the mature vegetation buffer along the Kitimat River continues to be maintained.</p>	Ongoing	In Compliance
8	<p>The Holder must develop, in consultation with FLNR and OGC, a vegetation management and monitoring plan for Construction. The plan must be based on the results of the habitat assessment surveys for red- and blue-listed plants and communities within the Certified Project Area and must:</p> <ul style="list-style-type: none"> -Specify the mitigation measures to avoid or minimize impacts to red- and blue-listed plants and communities; -Specify the pre-construction salvage and translocation program for red- and blue-listed plants; and -Include a contingency plan to mitigate effects to red- and blue-listed plants and communities if there are plants or communities discovered in addition to those identified in the habitat assessment surveys. <p>The Holder must demonstrate reasonable efforts to engage with Haisla Nation in developing and sharing information regarding implementation of the plan.</p> <p>The Holder must provide the plan to EAO no less than 60 days prior to the Holder's planned date to commence Construction. The Holder must not commence Construction until the plan is approved by EAO. Once approved, the Holder must also provide the final plan to FLNR, OGC, and Haisla Nation. The Holder must implement the plan to the satisfaction of EAO.</p>	<p>Construction JFJV, in coordination with LNG Canada, updated the Vegetation Management Plan in late 2020 / early 2021. The Project undertook consultation and engagement activities with applicable Indigenous Groups and regulators in Q1/Q2 2021 in accordance with the EAC. The updated Vegetation Management Plan (Revision 0C) was submitted to EAO for approval and shared with Indigenous Groups in August 2021. The updated Vegetation Management Plan is pending approval by EAO.</p> <p>During 2022, planned construction of the Trestle, connecting the Plant Site to the Berth, passed through an identified area of eminent bluegrass. As the equipment utilized operates off the ground to minimize impact to all vegetation through the corridor, minor impact totaling the diameter of a temporary pile occurred. No additional species were identified. Haisla Nation were made aware of the identification of the eminent bluegrass area during the biweekly LNGC / Haisla permitting meetings.</p>	Ongoing	In Compliance

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9	<p>The Holder must develop, in consultation with FLNR and OGC, an invasive plant management plan that describes measures to prevent, monitor and control the establishment and spread of invasive plant species in the Certified Project Area during Construction and Operations.</p> <p>The Holder must demonstrate reasonable efforts to engage with Haisla Nation in developing and sharing information regarding the implementation of the plan.</p> <p>The Holder must provide the plan to EAO, FLNR, OGC, and Haisla Nation no less than 30 days prior to the Holder's planned date to commence Construction. The Holder must implement the plan to the satisfaction of EAO.</p>	<p>Construction The LNG Canada Invasive Plant Management Plan was last updated in August 2021.</p> <p>Equipment mobilizing and demobilizing from site were inspected to ensure spread of invasive plant species was minimized, with 56 equipment pre-mobilization equipment inspections undertaken in 2022. Additionally, 72 Kitimat-based biosecurity inspections were undertaken in 2022.</p> <p>Nine (9) invasive vegetation focus assessments were completed in the 2022 growing season (i.e., April to August) in various areas within the Project footprint. A survey was completed over a period of five (5) days to identify and locate invasive plant species within the Project Footprint. The following invasive species were identified</p> <ul style="list-style-type: none"> • Bull thistle (Cirsium vulgare) • Canada thistle (Cirsium arvense) • Common tansy (Tanacetum vulgare) • Oxeye daisy (Leucanthemum vulgare) • Perennial sow thistle (Sonchus arvensis) • Purple foxglove (Digitalis purpurea) • St. John's wort (Hypericum perforatum) <p>Ongoing management of invasive plants occurred throughout the season. Methods for removal of the invasive plants included:</p> <ul style="list-style-type: none"> • Manual hand pulling to remove the plant and its roots • Cutting the plant with a saw for those that were too difficult to hand pull <p>The invasive plants were collected, and in alignment with best practice, the invasive plants were buried at depth in the soil stockpile and backfilled over. Approximately ten pickup truck bed loads of plant material were buried and disposed of to prevent further spread.</p> <p>LNG Canada continues to share information with Haisla Nation regarding implementation of the plan on an ongoing basis as appropriate.</p> <p>Operations The Invasive Plant Management Plan for Operations will be developed through 2023.</p>	Ongoing	In Compliance
10	<p>The Holder must develop, in consultation with EC and FLNR, a wetland compensation plan that is consistent with the Federal Policy on Wetland Conservation and compensates any permanent loss of wetland function for red-listed or blue-listed wetlands and estuarine wetland communities. The Holder must demonstrate reasonable efforts to engage with Haisla Nation in developing and sharing information regarding implementation of the plan.</p> <p>The Holder must provide the final plan to EAO, EC, FLNR, and Haisla Nation no less than 30 days prior to the</p>	<p>Construction LNG Canada continued to work with required external stakeholders on securing wetland habitat associated with a conservation covenant in accordance with the Wetland Compensation Plan. A finalized agreement could not be completed in 2022 and discussions will continue into 2023.</p>	Ongoing	In Compliance

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2022 EAO Self-Assessment Annual Report**

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	Holder's planned date to commence Construction. The Holder must implement the plan to the satisfaction of EAO.	Effectiveness monitoring associated with constructed habitats was completed in 2022 and will continue in 2023. LNG Canada continues to provide updates to Haisla Nation regarding the Wetland Compensation Plan during its standing bi-weekly environment and regulatory permitting meeting.		
11	<p>The Holder must develop, in consultation with FLNR, DFO and OGC, a surface water quality management plan to mitigate potential adverse effects of Project activities on water quality and aquatic habitat during Construction. The plan must:</p> <ul style="list-style-type: none"> -Describe how stormwater will be collected, treated, tested, and discharged, as well as any monitoring activities; and -Describe how surface water runoff around the facility will be managed to avoid potential contamination, as well as any monitoring activities. <p>The Holder must demonstrate reasonable efforts to engage with Haisla Nation in developing and sharing information regarding the implementing of the plan.</p> <p>The Holder must provide the plan to EAO, FLNR, DFO, OGC, and Haisla Nation no less than 30 days prior to the Holder's planned date to commence Construction. The Holder must implement the plan to the satisfaction of EAO.</p> <p>The Holder must develop, in consultation with FLNR, DFO and OGC, a surface water quality management plan to mitigate potential adverse effects of Project activities on water quality and aquatic habitat during Operations. The plan must:</p> <ul style="list-style-type: none"> -Describe how stormwater will be collected, treated, tested, and discharged, as well as any monitoring activities; and -Describe how surface water runoff around the facility will be managed to avoid potential contamination, as well as any monitoring activities. <p>The Holder must demonstrate reasonable efforts to engage with Haisla Nation in developing and sharing information regarding the implementing of the plan.</p> <p>The Holder must provide the plan to EAO, FLNR, DFO, OGC, and Haisla Nation no less than 30 days prior to the Holder's planned date to commence Operations. The Holder must implement the plan to the satisfaction of EAO.</p>	<p>Construction The LNG Canada Surface Water Management Plan was last updated in August 2021.</p> <p>Water quality sampling is conducted daily at established compliance and background point locations. 3,300 water quality samples were conducted in 2022 by JFJV to support the work activities along the North and South Haul Roads, main plant site stormwater discharge at the Tidal Berm, and the CVL Stormwater Pond discharge. An additional 771 samples were taken by subcontractors to support specific construction activities.</p> <p>In 2022, the following freshwater quality events were self-disclosed by JFJV (EMBC, OGC, Haisla Nation):</p> <ul style="list-style-type: none"> • January 7 - 9, 2022: Elevated turbidity in Anderson Creek • July 25 – 27: Elevated turbidity in Anderson Creek • October 31 – November 1, 2022: Elevated turbidity in Beaver Creek <p>Incident investigations were undertaken for turbidity events in an effort to identify corrective actions related to high turbidity events, and corrective actions were implemented as appropriate. The LNG Canada Project continues to actively manage turbid water on site.</p> <p>Operations The development of the Surface Water Quality Management Plan (Operations) commenced in 2022, in conjunction with the Waste Discharge Authorization (WDA) Permit application for Effluent. The Project has engaged with Haisla Nation during 2022 through the development of the WDA permit application material, which included information on the management of surface water runoff.</p> <p>Consultation and engagement activities with FOR, DFO, OGC, and Haisla Nation are forecast for Q1 2023, prior to submission of the permit application to the OGC.</p>	Ongoing	In Compliance
12	<p>The Holder must develop a wildlife management plan for Construction in consultation with EC, FLNR and OGC that must:</p> <ul style="list-style-type: none"> -Set out the means by which the wildlife mitigation measures related to Construction in the Mitigation Table under the heading "wildlife resources" (section 5.6) will be implemented; -Include results of completed marbled murrelet presence and habitat surveys, plans for additional presence surveys, and specify mitigation to avoid or reduce adverse effects of the Project on marbled murrelets and marbled murrelet habitat. Surveys must be completed prior to site clearing activity; -Include site assessment survey plans for bat species within the Certified Project Area and specify mitigation to avoid or reduce adverse effects of the Project on bat habitat, if the surveys indicate the presence of bat habitat. 	<p>Construction JFJV, in coordination with LNG Canada, updated the Wildlife Management Plan in late 2020 / early 2021. The Project undertook consultation and engagement activities with applicable Indigenous Groups and regulators in Q1/Q2 2021 in accordance with the EAC. The updated Wildlife Management Plan (Revision 0C) was submitted to EAO for approval and shared with Indigenous Groups in August 2021. The updated Wildlife Management Plan is pending approval by EAO.</p>	Ongoing	In Compliance

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	<p>Surveys must be completed prior to site clearing activity; Include a plan to manage human-wildlife conflict to avoid or reduce direct wildlife mortality; -Specify the mitigation that will be implemented for wildlife habitat features that are encountered within the Certified Project Area; -Specify the consideration of migratory bird timing windows when scheduling planned flaring events, where feasible from a technical and safety perspective, to minimise the risk of mortality and injury to birds during Construction and Commissioning; -Set out a monitoring and follow-up program with respect to impacts to wildlife within the Certified Project Area during Construction.</p> <p>The Holder must demonstrate reasonable efforts to engage with Haisla Nation in developing and sharing information regarding implementation of the plan.</p> <p>The Holder must provide the plan to EAO no less than 60 days prior to the Holder's planned date to commence Construction. The Holder must not commence Construction until the plan is approved by EAO. Once approved, the Holder must also provide the plan to EC, FLNR, OGC, and Haisla Nation. The Holder must implement the plan to the satisfaction of EAO. Marbled murrelet and bat survey results must be provided to EC and FLNR prior to site clearing.</p> <p>The Holder must develop a wildlife management plan for Operations in consultation with EC, FLNR and OGC that must: -Set out the means by which the wildlife mitigation measures related to Operations in the Mitigation Table under the heading "wildlife resources" (section 5.6) will be implemented; -Identify mitigation measures, including migratory bird timing windows, to reduce the risk of mortality and injury to birds during planned flaring events during Operations, as feasible from a technical and safety perspective; -Include a plan to manage human-wildlife conflict to avoid or reduce direct wildlife mortality; -Identify mitigation measures to allow for wildlife passage through the estuary and continued tidal flows; and -Set out a monitoring and follow-up program with respect to impacts to wildlife the Certified Project Area during Operations.</p> <p>The Holder must demonstrate reasonable efforts to engage with Haisla Nation in developing and sharing information regarding the implementation of the plan.</p> <p>The Holder must provide the plan to EAO no less than 60 days prior to the Holder's planned date to commence Operations. The Holder must not commence Operations until the plan is approved by EAO. Once approved, the Holder must also provide the plan to EC, FLNR, OGC, and Haisla Nation. The Holder must implement the plan to the satisfaction of EAO.</p>	<p>In 2022, 44 migratory breeding bird nest inspections and monitoring events (including pre-clearing surveys, active nest monitoring and final assessments) were undertaken by Haisla-Triton, JFJV and Environmental Dynamics Environmental Monitors.</p> <p>JFJV led 1 wildlife survey prior to vegetation clearing which covered large areas of land where bear dens, raptor nests and other wildlife features were identified.</p> <p>In 2022, there were two self-disclosures to regulators related to migratory birds.</p> <ul style="list-style-type: none"> • May/June 2022: Removal of potential robin nests that did not contain eggs. • June 24, 2022: five saplings uprooted and removed in an active construction area prior to the pre-clearing bird nest survey. <p>In 2022, three (3) additional bat boxes were installed around the Project, for a total of ten (10) boxes installed on site to date. Monitoring was conducted throughout the year, and visible signs of use were observed in the 7 boxes installed prior to 2022. LNG Canada has continued to work with external stakeholders in securing habitat offset area for the Marbled Murrelet via a conservation covenant. LNG Canada, in conjunction with a key stakeholder, decided to put discussions on hold until 2023 due to regional staffing constraints and a focus on wetland and fisheries discussions occurring.</p> <p>Operations The development of the Wildlife Management Plan (Operations) commenced in 2022. Consultation and engagement activities with ECCC, FOR, OGC, and Haisla Nation will be undertaken in 2023.</p>		

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13	<p>The Holder must design and deliver programs to support local and Aboriginal employment and contracting opportunities, skills training and education.</p> <p>At the time of submitting compliance reports required by this EAC's clause 1, the Holder must report to EAO on the implementation of these programs. The programs must be implemented during Construction and Operations.</p>	<p>LNG Canada continues to implement programs and services to support local and Indigenous employment and contracting opportunities, skills training and education. Key initiatives that took place/continued throughout 2022 include:</p> <ul style="list-style-type: none"> • Inspire: LNG Canada entered Year 3 of a 3-year sponsorship agreement with Inspire which covers a number of initiatives including Soaring: Indigenous Youth Empowerment Gathering, Building Brighter Futures and Inspire's National Gathering for Indigenous Education. In 2022, the Inspire awards were held in person in Ottawa where a contingent of Haisla youth and chaperones were able to attend with LNG Canada. It was a very impactful experience the parents and youth are still reflecting on. All scholarship funds were delivered to students from First Nation communities within our project area. LNG Canada will be re-establishing this partnership for another 3-year term in 2023. • Canadian Council for Aboriginal Business (CCAB): LNG Canada built partnerships and sustainable economic resources into its social investment strategy and sponsored a number of CCAB initiatives including Indigenous Women's Entrepreneurship Fund, Sponsored CCAB Memberships and Sponsored the Indigenous Women in Leadership event, held in person in Calgary in 2022. LNG Canada will be re-defining and re-establishing this partnership in 2023 for another 3-year term. • Your Place: The implementation of the Your Place program to attract, train and recruit women to the construction workforce, which concluded in May 2022 resulted in 122 program graduates. 47 graduates took a role on site, some took a role with a construction company locally, but considered off site, and some took construction roles in their hometown. • Power Engineering Readiness Program: In partnership with BCIT and Coast Mountain College, this Program ran from January to June 2022. The aim of this program was to upskill people to have the pre-requisites for the Power Engineering Program. 21 students enrolled and all applicants who finished the program and applied, got accepted to the Power Engineering Program. • 4th Class Power Engineering Program: Following the Readiness Program, 18 local students (including 8 Indigenous and 7 female) enrolled in the LNG Canada fully funded program offered by BCIT at Coast Mountain College in partnership with LNG Canada. 14 of these 18 students came from the Readiness Program. This course runs from September 2022 to June 2023. • Arx and Sparx: LNG Canada continues to partner with CWB Welding Foundation to deliver the Arx and Sparx camp. The camp (developed and facilitated by CWB Welding Foundation) introduces Indigenous and non-Indigenous youth to the welding trade through projects that are culturally significant to Indigenous people within their communities and across Canada. Two camps were held in Terrace and Kamloops in the summer of 2022, with a total of 18 participants at each camp (60% Indigenous participant rate at the first camp and 80% Indigenous participant rate for the second camp). 	Ongoing	In Compliance

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		<ul style="list-style-type: none"> • Summer Students: Seven (7) roles for local summer students within various departments at LNG Canada. • Trades Training Fund Program: Investment of additional \$200, 000 in Trades Training Fund to continue support for BC apprentice technical training. In total 75 individuals benefited from the fund. Of which 10% are women and 12% are from Northwest British Columbia. In 2022, an amendment was made to include Early Childhood Education courses as an eligible training area for those working in Northwest BC. In 2022 we experienced a decline in the number of British Columbian’s requesting funds. The most demand was for funds to support Electrician training programs. The Trades Training Fund program will wrap up at the end of 2023. To finish strong, a number of marketing tactics are planned for 2023. • LNG Canada Connect: Renewed investment in the LNG Canada Connect program to assist local area and BC workers with finding placement in construction jobs, including removal of barriers e.g., transportation costs, PPE, tools, updated tickets). 502 local area BC residents have been placed into jobs through this program. Of the residents, 57% were indigenous and 22% were women. • Virtual Contractor Information Session held in August of 2022 to provide information on the LNG Canada bidding processes, HSSE requirements, Subcontracting, LNG Canada procurement contact Information, Procurement Opportunity Notices (LNG Canada website), Potential local opportunities, Differentiation between construction and asset procurement, as well as a Q/A session and opportunity for Indigenous and local businesses to share information and concerns with LNG Canada. • Public Open Houses held in Kitimat and Terrace in September 2022, and in Burnaby (to reach Haisla members living in the Lower Mainland) in November 2022, to provide an update on construction progress including information on employment and contracting opportunities available with the Project. • STEM Scholarship program: awarding scholarships to grade 12 students in School District #82 pursuing post-secondary studies in science, engineering, technology or math, including trades training programs • Local Business Database: accessible to contractors with information about local and Indigenous businesses and services <p>As of November 2022, The LNG Canada Project has awarded \$3.9 billion (CAD) in contracts and procurement to companies in British Columbia, including over \$3 billion to local area and First Nations companies. At end November 2022, 6,033 workers were employed at the Kitimat project site of which 660 were local area workers, and a total of 391 were Indigenous workers.</p>		

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14	<p>The Holder must develop a plan to adaptively manage potential socio-economic effects on services and infrastructure delivered by provincial agencies and local governments. The scope of the plan is for effects that are directly attributable to the Project and related to the temporary Construction workforce. The plan must include the mitigation measures in the Mitigation Table under the headings "infrastructure and services" (section 7.2) and "community health and wellbeing" (section 7.5).</p> <p>The Holder must develop the plan in consultation with CSCD and based on CSCD guidance materials. The Holder must demonstrate reasonable efforts to engage Aboriginal Groups, local governments, provincial government infrastructure and service providers in developing the plan. The plan must include specific actions to address the following:</p> <ul style="list-style-type: none"> -Communication with potentially affected Aboriginal Groups, local governments, provincial government infrastructure and service providers regarding Project activities and actions related to the implementation of mitigation measures; -An approach for monitoring and reporting on the effectiveness of the mitigation measures set out in the plan; -An adaptive management approach, which includes the development of additional and/or alternative mitigation measures to address the Project's effects on community infrastructure and services, if those effects are not mitigated to the extent identified in the Application, or if unexpected effects occur; and -Engagement with potentially affected Aboriginal Groups, local governments and provincial government infrastructure and service providers on the adaptive management activities. <p>The Holder must provide the plan to EAO and CSCD no less than 60 days prior to the Holder's planned date to commence Construction. The Holder must not commence Construction until the plan has been approved by EAO. Once approved, the Holder must also provide the final plan to CSCD, local governments, provincial government infrastructure and service providers, and Aboriginal Groups. The Holder is required to implement the plan, in consultation with CSCD, and to the satisfaction of EAO, until two years after the completion of Construction, or as otherwise directed by EAO.</p> <p>As requested by EAO, the Holder must participate in multi-stakeholder initiatives undertaken by the Province with regards to managing cumulative effects to community infrastructure and services.</p> <p>For the purposes of this condition, "Construction" does not include site clearing or preparation.</p>	<p>Construction</p> <p>The CLISMP was approved by EAO on June 13, 2016. In 2019, LNG Canada Implemented the approved Social Management Roundtable (SMR) process.</p> <p>Four SMR meetings were held in 2021. The 2021 annual CLISMP report was submitted to the BC EAO on July 28, 2022.</p> <p>The Q4 2021 SMR was held virtually on February 22-23, 2022. Four working groups sessions were attended by 62 community and provincial stakeholders and Indigenous Group participants. A summary report capturing socio-economic monitoring trends and feedback from Q4 2021 SMR working groups was published online April 8, 2022 and shared with SMR participants.</p> <p>The Q1 2022 SMR was held virtually on May 31, 2022. Three working group sessions were attended by 59 community and provincial stakeholders and Indigenous Group participants. A summary report capturing socio-economic monitoring trends and feedback from Q1 2022 SMR working groups was published online July 25, 2022 and shared with SMR participants.</p> <p>The Q2 2022 SMR was held in-person at Cedar Valley Lodge on September 21-22, 2022. A virtual option to join via MS Teams was also provided to participants. Four working group sessions were attended by 67 community and provincial stakeholders and Indigenous Group participants. Community Health working group participants that attended in person were offered a site tour following the session. A summary report capturing socio-economic monitoring trends and feedback from Q2 2022 SMR working groups was published online October 31 and shared with SMR participants.</p> <p>The Q3 2022 SMR was held virtually on November 22, 2022. Three working group sessions were attended by 47 community and provincial stakeholders and Indigenous Group participants. A summary report capturing socio-economic monitoring trends and feedback from Q3 2022. SMR working groups was published online December 20, 2022 and shared with SMR participants.</p> <p>The Q4 2022 SMR will take place in person on February 22-23, 2023 and will convene four working groups. The CLISMP Annual Report will cover the period January 1 - December 31, 2022 and will be submitted to EAO by July 15, 2023.</p> <p>Emerging from Covid, LNGC has reinitiated public open houses providing updates about all aspects of the project, including social impacts and benefits. Open Houses were held on September 28-29, 2022, in Terrace and Kitimat.</p> <p>Semi-annual updates to the District of Kitimat and City of Terrace regarding the project, including social impacts and benefits were delivered to the District of Kitimat on July 14 and November 23, 2022. The City of Terrace received an update on July 13, with the next scheduled deferred from November to February 8, 2023.</p>	Ongoing	In Compliance

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15	<p>The Holder must develop a health and medical services plan, in consultation with Northern Health and in accordance with Northern Health's Health and Medical Services Plan: Best Management Guide for Industrial Camps. The Holder must demonstrate reasonable efforts to engage Aboriginal Groups in developing and sharing information regarding implementation of the plan. The health and medical services plan must:</p> <ul style="list-style-type: none"> -Describe the Project site and infrastructure that may impact health outcomes and the spread of disease; Specify the health care services that will be provided for the workforce residing in the workforce accommodation centre; -Establish disease / infection prevention and outbreak protocols, including preparation, response and management protocols; -Outline programs for health promotion, disease prevention and on-site wellness; and <p>Establish a process for coordinating the management of urgent care and medical escalations with local service providers.</p> <p>The Holder must provide the final plan to EAO and Northern Health no less than 30 days prior to the Holder's planned date to commence Construction. The Holder must implement the plan to the satisfaction of EAO.</p> <p>For the purposes of this condition, "Construction" does not include site clearing or preparation.</p>	<p>Construction</p> <p>In 2018, LNG Canada submitted the Health and Medical Services plans to EAO as required by the Condition and shared the Final Health and Medical Services Management Plans with Indigenous Groups. The project has continued engagements with Northern Health to collaborate on the implementation of mitigation strategies associated with the Health and Medical Services Plans.</p> <p>A key focus for 2022 was continuing to respond to the COVID-19 health pandemic, which required regular interface with Northern Health Authority.</p> <p>Vaccination programs for seasonal influenza and COVID-19 were facilitated.</p> <p>Clinic consolidation was undertaken, offering a streamlined medical service for project personnel. Additionally, 22 automatic external defibrillators (AED) were strategically placed in construction field locations to support timely response in the event of a medical emergency.</p> <p>Ongoing monthly health topic information based on seasonal, or project trends is prepared for health promotion such as smoking cessation, benefits of active lifestyles, mental health, etc.</p> <p>On-site counselling services as well as virtual counselling and 24/7 crisis phone lines remained available to project personnel.</p> <p>The mental wellness coordinator and mental wellness educator continue to drive program initiatives and facilitate awareness sessions in addition to the commencement of a suicide awareness program and Mental Health First Aid training for project personnel in 2022, as recognized by the Canadian Mental Health Association.</p>	Ongoing	In Compliance

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16	<p>The Holder must develop, in consultation with MOTI and the District of Kitimat, a traffic impact assessment and traffic management plan. The traffic impact assessment must be developed in accordance with MOTI's Planning and Designing Access to Developments manual (2009). The traffic impact assessment must include: -A traffic safety analysis; and -An analysis of the Project's effects on vehicular traffic and infrastructure and proposed mitigation measures, including at Haisla Nation bridge and in relation to increased airport and rail traffic.</p> <p>The traffic management plan must be developed in accordance with MOTI's Traffic Management Guidelines for Work on Roadways. The traffic management plan must: -Identify measures to mitigate the impacts of Project-related transportation on the safety and efficiency of other users of the transportation network; and -Include measures for traffic control, public communications, incident management and response, and plan implementation.</p> <p>The Holder must provide the traffic impact assessment and traffic management plan to EAO, MOTI, and DOK prior to there being 500 persons housed in the workforce accommodation centre. The Holder must implement the plan to the satisfaction of EAO.</p>	<p>Construction The LNG Canada Traffic Management Plan has been in place since 2020 and submitted to the BC EAO prior to Cedar Valley Lodge reaching an occupancy of 500 people as required by the Condition.</p> <p>On February 24, 2021, EAO issued Amendment #3 to the Environmental Assessment Certificate (EAC) #E15-01, to construct temporary access trails and upgrade and use existing roads as a supplementary haulage route.</p> <p>In February 2022, the Project submitted the updated Traffic Impact Assessment to EAO. A traffic count and pavement assessment of Haisla Boulevard was also undertaken in summer 2022.</p> <p>Engagement with stakeholders continues as required on traffic management planning for the Project.</p>	Ongoing	In Compliance
17	<p>The Holder must develop, in consultation with TC and DFO, a marine activities plan for Construction with the objective of mitigating and monitoring impacts to marine users. The plan must: -Set out the means by which the marine transportation measures related to Construction in the Mitigation Table under -the heading "marine transportation & use" (section 7.4) will be implemented; Identify Construction activities, including any fish habitat offset plans, that have the potential to interfere with marine navigation; -Identify existing and traditional navigational routes, fishing areas, habitat areas, harvesting areas, commercial shipping use, recreational and tourism use, Aboriginal Groups' use, and any associated timing windows; Specify actions to inform affected stakeholders and Aboriginal Groups of potential interference with marine navigation as a result of Construction activities; -Specify actions to coordinate activities with other marine users, particularly with other industrial activities related to dredging or disposal at sea; -Specify mitigation to reduce disruption of marine navigation as a result of Construction activities; and -Specify activities to monitor the effects of the Holder's shipping activities on marine users during Construction.</p> <p>The Holder must demonstrate reasonable efforts to engage Aboriginal Groups in developing and sharing information regarding implementation of the plan.</p> <p>The Holder must provide the plan to EAO no less than 60 days prior to the Holder's planned date to commence Construction in the marine environment. The Holder must not commence Construction in the marine environment until the plan is approved by EAO. Once approved, the Holder must also provide the final plan to TC, DFO and Aboriginal Groups. The Holder must implement the plan to the satisfaction of EAO.</p> <p>The Holder must develop, in consultation with TC and DFO, a marine activities plan for Operations with the objective of mitigating and monitoring impacts to marine users. The plan must: -Set out the means by which the marine transportation measures related to Operations in the Mitigation Table under the heading "marine transportation & use" (section 7.4) will be implemented; Identify Operations activities, including any fish habitat offset plans, that have the potential to interfere with marine navigation; -Identify existing and traditional navigational routes, fishing areas, habitat areas, harvesting areas, commercial shipping use, recreational and tourism use, Aboriginal Groups' use, and any associated timing windows;</p>	<p>Construction The LNG Canada marine EMPs were approved by EAO in 2018. LNG Canada Marine Plans, to meet various conditions in the EAC as well as related marine permit conditions, consist of the Marine Activities Plan (MAP), Marine Access Traffic Management Plan (MATMP), Dredge Environmental Management Plan (DEMP), and Marine Monitoring Plan (MMP).</p> <p>The LNG Canada MATMP addresses mitigations related to marine navigation, transportation and use. In 2022, LNG Canada complied with all aspects of the MATMP, and continued to monitor the LNG Canada project marine contractor's activities and vessels through the LNG Canada Vessel Quality Assurance Program vessel approvals and manage their marine vessel movements through the LNGC Marine Traffic Coordination (MTC) role.</p> <p>2022 has seen completion or near completion of the EPC 's marine construction work building the Materials Offloading Facility (MOF) and LNG Berth Number 2 infrastructure. Both facilities and their associated navigation aids are indicated on Canadian Hydrographic Service charts that were last updated on 01 April 2022 with project supplied information. Another chart update is anticipated in early 2023 based on the CHS's survey work done in September 2022 following the completion of all dredging and placement of all the anti-scour protection mats.</p> <p>The MOF is currently operational and supporting Heavy Lift Vessel load-ins of LNG modules fabricated overseas for installation at the project site. Module import and other equipment and construction cargo has been ongoing throughout 2022 and will continue into early Q3 2023.</p> <p>LNG Canada continues to implement the Vessel Quality Assurance (VQA) Program to assess and positively vet all marine vessels, both domestic and foreign, before they may be used for marine construction and transportation activities by the project's contractors. For 2022, 100% of the vessels operating within the Port of</p>	Ongoing	In Compliance

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	<p>-A complaint resolution process for loss or damage to commercial traps, nets and other fishing equipment, and anchors and other vessel-related gear due to interactions with the Holder's LNG carriers;</p> <p>-Specify actions to inform affected stakeholders and Aboriginal Groups of potential interference with marine navigation as a result of Operations activities;</p> <p>-Specify activities to monitor the effects of the Holder's shipping activities to marine users during Operations; Demonstrate the holder's participation in industry- or government-led efforts to monitor the cumulative effects of shipping activities during Operations;</p> <p>-Specify actions to inform the public, marine user groups, and Aboriginal Groups about the results of the Technical Review Process of Marine Terminal Systems and Transshipment Sites (TERMPOL) process respecting the Project;</p> <p>-Specify actions to coordinate activities with other marine users, particularly with other shippers; and</p> <p>-Specify mitigation to reduce disruption of marine navigation as a result of Operations activities.</p> <p>The Holder must demonstrate reasonable efforts to engage Aboriginal Groups in developing and sharing information regarding implementation of the plan.</p> <p>The Holder must provide the plan to EAO no less than 60 days prior to the Holder's planned date to commence Operations. The Holder must not commence Operations until the plan is approved by EAO. Once approved, the Holder must also provide the final plan to TC, DFO and Aboriginal Groups. The Holder must implement the plan to the satisfaction of EAO.</p>	<p>Kitimat or on voyages to/from Port of Kitimat on project business were LNGC VQA approved. This program continues into 2023 with the same target of 100%. This ensures marine transportation commitments are being met.</p> <p>LNG Canada continues to communicate marine traffic information for both LNG Canada and Rio Tinto to Indigenous Groups and other local marine users as per the MATMP. "Safe Shipping" information continues to be posted on LNG Canada webpage as well as through the Canadian Coast Guard's Navigational Warnings. LNG Canada provided information on an ongoing and timely basis to ensure updates of Canadian Hydrographic Service nautical chart and marine publication for the Port of Kitimat were made as per Transport Canada's Navigation Protection Permit conditions for marine construction works.</p> <p>LNG Canada's participation in and support for the <i>British Columbia North Coast Waterway Management Guidelines</i> which came into effect 01 September 2022 demonstrate the project's commitments to First Nations and local community concerns for project's shipping traffic along the marine shipping route. Details of these Guidelines were widely announced by the federal government in the Fall of 2022 and can be found on both the Transport Canada and Pacific Pilotage Authority websites.</p> <p>LNG Canada will continue to engage with Indigenous Groups in sharing information regarding implementation of the plan. Key marine communications that were shared with Indigenous Groups in 2022 included:</p> <ul style="list-style-type: none"> • Weekly shipping schedules from the Marine Traffic Coordinator which were shared with the project's associated Indigenous Groups and updates when necessary. • Weekly shipping schedule posted on the LNG Canada website. • Communications to Indigenous Groups and local communities in advance of 2023 plans for tug berth construction and wake monitoring efforts. • Multiple First Nation and Public engagements including three Open Houses (Kitimat, Terrace and Burnaby (for the Haisla community members located in the lower mainland) in September and November where a Safe Shipping table was setup and manned by maritime subject matter experts to answer any questions and get public feedback. • Marine topics of particular note were the introduction of plans for the construction of the dedicated new tug berth to support the future LNG terminal operations as well as public seeking feedback regarding the Wake Baseline verification locations as it applies to the projects marine route corridor. • Dedicated shipping lookahead meetings at the request of Gitga'at to provide an overview of expected upcoming shipping traffic. <p>Operations Development of the Marine Activities Plan for Operations will commence in 2023.</p>		

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18	<p>The Holder must develop, in consultation with TC, a wake verification plan for Operations. The plan must:</p> <ul style="list-style-type: none"> -Identify focus areas, at shorelines and in the ocean, and periods for monitoring wake; -Describe the methodology for the selection of the focus areas and periods, including how marine users and Aboriginal Groups inform their identification and selection; -Specify a methodology for monitoring the wake of the Holder's LNG carriers, within the marine environment and at shorelines, to determine the accuracy of the results of the environmental assessment, particularly in relation to potential safety hazards to marine and shoreline users; -Include the results of baseline data to support monitoring; -Specify a process for reporting the results of the wake verification plan; -Include options for reporting, recording and responding to wake interactions between the Holder's LNG carriers and marine and shoreline users; and -Specify an adaptive management plan to address the effects of wake on marine and shoreline users if the results of the wake verification plan indicate greater wake effects than predicted in the environmental assessment, or if unexpected effects occur. <p>The Holder must demonstrate reasonable efforts to engage Aboriginal Groups in developing and sharing information regarding implementation of the plan. The Holder must demonstrate reasonable efforts to engage Aboriginal Groups and TC in the development of the approach to gathering baseline data, and its implementation.</p> <p>The Holder must provide the plan to EAO no less than 60 days prior to the Holder's planned date to commence Operations. The Holder must not commence Operations until the plan is approved by EAO. Once approved, the Holder must provide the plan to TC and Aboriginal Groups. The Holder must implement the plan to the satisfaction of EAO.</p>	<p>Discussions around development of LNG Canada's Condition 18 Wake Verification Plan commenced with Indigenous Groups and regulatory agencies in late 2021, introducing LNG Canada's plans to commence development of a baseline collection program in 2022.</p> <p>LNG Canada held a Condition 18 Wake Verification Plan kick-off meeting in March 2022, to which all identified Indigenous groups were invited (seven of the eight Indigenous groups were able to attend that meeting and specific follow-up with the Nation that could not attend took place shortly thereafter). Required regulatory agencies were also in attendance</p> <p>LNG Canada followed up with each of the Indigenous groups individually to discuss their desired involvement in the wake verification plan generally, and the wake baseline collection process specifically. Follow-up discussions took place between April and July of 2022 and included analysis of the options/alternatives for collecting the data, and the eventual selection of the equipment to be used for data collection. The final equipment selection was communicated to all Indigenous groups in July 2022 and no concerns have since been raised.</p> <p>In September 2022, LNG Canada shared the first draft of the Baseline Wake Monitoring Plan with all Indigenous Groups and requested feedback/input. Other than confirmation of receipt, and to acknowledge that they had no concerns, no Indigenous groups have raised questions or concerns associated with the draft Baseline Wake Monitoring Plan.</p> <p>Additional consultation and engagement took place from August 2022 focused on finalization of the monitoring locations site selection process. Development of the Condition will continue through 2023.</p> <p>In 2022, LNG Canada also implemented a public engagement plan regarding Condition 18 that included an engagement team and table at the September Open Houses in Terrace and Kitimat. The events were open to the public with newspaper and radio advertisements about the events, and posters and specific invitations targeting recreational marine users and ENGOs with marine focuses.</p>	To be Initiated	Future Phase

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19	<p>Prior to developing a workforce air quality health plan the Holder must, in consultation with MOH, MOE and WorkSafe BC, complete a human health risk assessment regarding the potential effects of air quality on workers residing at the workforce accommodation centre, to the satisfaction of EAO. The assessment must consider all criteria air contaminants assessed in the Holder's Application for an EAC.</p> <p>The Holder must develop, in consultation with MOE, MOH, and OGC, a workforce air quality health plan that must:</p> <ul style="list-style-type: none"> -Include the results of baseline data and the human health risk assessment to support monitoring; -Identify mitigation measures to reduce the risks posed by air emissions to the health of residents of the workforce accommodation centre to an acceptable level; -Include measures to monitor and report on the effectiveness of the mitigation set out in the plan; and -Provide an adaptive management plan, which includes the development of additional and/or alternative mitigation measures to address the effects of air quality on the health of residents of the workforce accommodation centre, as required. <p>The Holder must provide the plan to EAO no less than 60 days prior to the Holder's planned date to establish the workforce accommodation centre. The Holder must not establish the workforce accommodation centre until the plan is approved by EAO. Once approved, the Holder must provide the final plan to MOE and MOH. The Holder must implement the plan to the satisfaction of EAO.</p>	<p>Construction The EAO approved the Workforce Air Quality Health Plan (WAQHP) in Q1 2020. Required monitoring and related health notifications from the onsite air quality monitoring station went "live" upon the occupancy of Cedar Valley Lodge (July 2020), based on the five trigger levels of three parameters, as outlined in the WAQHP.</p> <p>The fourth semi-annual report (from October 2021 to March 2022) was submitted to EAO, Northern Health, and Ministry of Environment and Climate Change Strategy (ENV) in May 2022, and the fifth semi-annual report (from April 2022 to September 2022) was submitted in December 2022.</p> <p>In addition, discussions continued through 2022 related to the review on the first year of data, from when Cedar Valley Lodge commenced operations (July 15, 2020 to July 14, 2021). In June 2022, EAO directed LNG Canada to update the WQHP with the use of the AQHI+SO2 program.</p> <p>Work has progressed in the development of the new air quality alert and notification system, and will commence further programming trials in 2023, prior to adoption.</p>	Ongoing	In Compliance
20	<p>The Holder must develop, to the satisfaction of EAO, a construction environmental management plan and an operations environmental management plan in accordance with section 12 of the Application. The Holder must demonstrate reasonable efforts to engage with Aboriginal Groups in developing and implementation of the plans.</p> <p>The Holder must provide the construction environmental management plan to EAO and Aboriginal Groups no less than 60 days prior to the Holder's planned date to commence Construction. The Holder must implement the plan to the satisfaction of EAO.</p> <p>The Holder must provide the operations environmental management plan to EAO and Aboriginal Groups no less than 60 days prior to the Holder's planned date to commence Operations. The Holder must implement the plan to the satisfaction of EAO.</p>	<p>Construction The LNG Canada CEMP was last updated in August 2021.</p> <p>The Project regularly reviews site construction activities to ensure they comply with the Construction Environmental Management Plan. LNG Canada shares information on the implementation of the CEMP and related EMPs via the annual compliance reports required by the Environmental Assessment Certificate and Impact Assessment Agency of Canada (formerly CEAA) Decision Statement, which are provided to Indigenous Groups and made available publicly on an annual basis.</p> <ul style="list-style-type: none"> • 2021 B.C. EAO Annual Report (shared with Indigenous Groups on February 10, 2022) • 2021-2022 IAAC Annual Report (shared with Indigenous Groups on July 4, 2022) <p>Operations The development of the Operations Environmental Management Plan commenced in 2022. Consultation and engagement activities with EAO and Indigenous Groups will be undertaken in 2023.</p>	Ongoing	In Compliance

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21	<p>Prior to commencing Construction, the Holder must retain the services of a Qualified Professional as an environmental monitor throughout the Construction phase of the Project with demonstrated experience and knowledge of environmental monitoring for construction projects in BC. The Holder must give the Environmental Monitor the authority to stop Project work that does not comply with:</p> <p>a. the terms and conditions of the EAC; b. the mitigation measures described in the plans required by the EAC; or c. any approvals, authorizations, or other regulatory requirements applicable to the Project or the Holder. The Environmental Monitor must be retained by the Holder throughout Construction.</p> <p>The Holder must notify EAO of any non-compliance with the EAC within 72 hours. The Holder must ensure that the Environmental Monitor prepares monthly reports on the Holder's compliance with (a), (b) and (c) above. These reports must be retained by the Holder through the Construction phase of the Project and for five years after commencing Operations. The reports must be provided to EAO and OGC upon request.</p>	<p>Construction LNG Canada's EPCM (JGC-Fluor) not only employs various Qualified Professionals but also contracts various contractors required to employ Environmental Monitors and Qualified Professional(s) for the various disciplines required for the Project. Environmental Monitors have been given the authority to stop work that does not comply with clauses a, b and c of the condition.</p> <p>Environmental Assurance is also undertaken by LNG Canada professionals and specialized contractor professionals (through Stantec & WSP), where appropriate. During the reporting year, 1,073 environmental inspections were completed by JFJV, plus 5,038 daily environment monitoring (EM) reports submitted by subcontractors.</p>	Ongoing	In Compliance
22	<p>The Holder must continue to implement the EAO-approved LNG Canada Aboriginal Consultation Plan (dated August 2013) and the EAO-approved LNG Canada Public Consultation Plan (dated August 2013) for all phases of the Project. The implementation of these plans must include information sharing and discussion of site-specific mitigation measures, including the development and implementation of social and environmental plans (including compensation plans) developed to meet regulatory requirements of the Project.</p> <p>The Holder must provide an Aboriginal consultation report and a public consultation report to EAO: -Two years after the commencement of Construction; and -One year after the commencement of Operations.</p> <p>The Holder must share the Aboriginal consultation report with Aboriginal Groups for review and comment prior to providing it to EAO.</p>	<p>LNG Canada continues to implement the EAO Approved LNG Canada Aboriginal Consultation Plan (dated August 2013) for all phases of the Project. The next Aboriginal Consultation Summary Report is due one year after the commencement of Operations.</p> <p>LNG Canada continues to implement the EAO Approved LNG Canada Public Consultation Plan (dated August 2013) for all phases of the Project. The next Public Consultation Summary Report is due one year after the commencement of Operations.</p>	Ongoing	In Compliance
23	<p>The Holder must demonstrate reasonable efforts to engage with interested Aboriginal Groups to develop a cultural awareness program for employees prior to the commencement of Construction. At the time of submitting compliance reports required by the EAC's clause 1, the Holder must report to EAO on the program and its implementation. The Holder must implement the program to the satisfaction of EAO.</p>	<p>Construction In 2022, LNG Canada continued the Cultural Awareness Program. The program was offered virtually in 2022 and has since pivoted to face to face delivery in 2023.</p> <p>The are 2 control points to ensure that all project workers complete the program:</p> <ol style="list-style-type: none"> 1. It is a prerequisite prior to obtaining a site access security card 2. It is a mandatory course managed through the learning management system for all LNG Canada employees <p>A new Reconciliation workstream was added to the Anti-Racism Committee (established in 2019) to further awareness and explore opportunities to advance Indigenous reconciliation. The Committee also hosted and facilitated an Allyship Day to bring awareness to the importance of allyship and a call to action for LNG Canada workers.</p>	Ongoing	In Compliance

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24	<p>The Holder must, through discussion with Aboriginal Groups, seek to provide opportunities for members of Aboriginal Groups to participate in monitoring activities identified in the plans in this Table of Conditions that are occurring within their asserted traditional territory. In the Aboriginal consultation reports required by Condition #21 to EAO, the Holder must include information regarding the opportunities provided and the participation of members of Aboriginal Groups in monitoring activities.</p>	<p>Construction</p> <p>Throughout 2022, members of Haisla Nation and Haisla-Triton Limited Partnership participated in monitoring activities at site, including participating in fish salvage crews, water quality sampling crews, marine mammal observation, and monitoring construction activities for compliance to the Project requirements and commitments. In addition, LNG Canada hosted a tour for a number of Haisla Elders in October 2022. LNG Canada invited the elders to site to see the Cedar Valley Lodge, enjoy a lunch, and receive a construction update including an introduction to flaring. The tour concluded with a drive around site. The entire experience was very well received by participants and members of the community.</p> <p>A member of the Haisla Nation continues to work with the B.C. Oil and Gas Commission (OGC) as a liaison between the Nation and the Commission and participated in a number of visits to site throughout 2022. LNG Canada will continue to identify and provide opportunities for Indigenous Group members to participate in various monitoring activities (outlined in the environmental management plans) occurring in their respective traditional territory.</p>	Ongoing	In Compliance