

LNG Canada Development Inc.
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Canada

January 31, 2022

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 2021 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
Andrew Betts, LNG Canada
Craig Hallden, LNG Canada

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**LNG Canada
 2021 EAO Self-Assessment Annual Report**

EAC Condition Reference	EAC Condition	Activity to Fulfill Condition Requirements (2021 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>JFJV, in coordination with LNG Canada, updated the Air Quality 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, and the updated Air Quality Management Plan (Revision 1) was submitted to EAO and shared with Indigenous Groups in August 2021.</p> <p>In 2021, 45 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. A trial application of magnesium chloride (MgCl) dust suppressant occurred in June 2021, applying along a supporting road within the Project footprint in response to mitigation measure effectiveness monitoring. With positive results observed, initial applications of MgCl on high vehicle traffic areas occurred in early July 2021 and in early August, with application timing based on observations of effectiveness. In addition, a trial application of calcium chloride (CaCl) was undertaken in September 2021. Although there were instances when improvements were required, fugitive dust emissions for sensitive receptors were effectively controlled.</p> <p>In 2021, all capped slopes of the permanent soil stockpile were seeded, with positive vegetation growth observed. In 2022, 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 2021.</p> <p>The Project submitted a waste discharge authorization application to the BC Oil and Gas Commission during 2021, for the operation of an Air Curtain Incinerator (ACI) to burn clean wood waste generated by the construction of the Project (e.g., lumber, pallets, crane matting, survey sticks that are unpainted, unstained, and untreated) for a period up to 15 months. The public notification period closed at the end of November 2021 and the Notification and Engagement Report was submitted to the OGC in January 2022 for final review by the OGC.</p> <p>In 2021 LNG Canada participated in both the Governance Circle and Data Subcommittee. One of the major deliverables currently underway is the third-party monitoring network review. This review will define the geographical boundaries of the airshed as well as identify gaps in air monitoring station locations and parameters.</p>	Ongoing	In Compliance

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		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.		
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>JFJV, in coordination with LNG Canada, updated the Noise 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, and the updated Noise Management Plan (Revision 2) was submitted to EAO in August 2021.</p> <p>In 2021, 39 noise inspections were undertaken by Environmental Monitors on site.</p> <p>No noise (nuisance) complaints were received by JFJV in 2021.</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>	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.</p> <p>The Holder must provide the plan to EAO no less than 60 days prior to the Holder's planned date to commence Commissioning. The Holder must provide the Plan to OGC. The Holder must implement the plan throughout Operations to the satisfaction of the EAO.</p>	A greenhouse gas emissions management plan for Operations will be developed in consultation with MGND [Ministry of Energy, Mines and Low Carbon Innovation] and CAS, and will provide this plan to EAO no less than 60 days prior to the planned date to commence Commissioning.	Ongoing	In Compliance
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</p>	<p>JFJV, in coordination with LNG Canada, updated the Fish Habitat 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, and the updated Fish Habitat Management Plan (Revision 1) was submitted to EAO and shared with Indigenous Groups 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 2021, the LNG Canada Project completed the remaining construction of fisheries habitat offsets pertaining to the project FAA permits. In addition, maintenance works were conducted on several of the existing offsets to ensure function as per effectiveness monitoring. All works were in accordance with the mitigations outlined</p>	Ongoing	In Compliance

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	Holder's planned date to commence Construction. The Holder must implement the plan to the satisfaction of EAO.	<p>in the Fish Management and Monitoring Plan, Fisheries Act Authorizations and / or DFO letters of advice.</p> <p>In 2021, there were no fish mortality events, outside of the fish salvage activities undertaken under permits from the BC Ministry of Forests, Lands, Natural Resource Operations and Rural Development.</p> <p>During the reporting year, Haisla-Triton Limited Partnership successfully carried out the fish and amphibian salvage program to support construction, salvaging 24,195 freshwater fish, 3 marine fish, and 255,721 amphibians. Mortalities associated with salvage activities were low in comparison, with 353 freshwater fish, zero (0) marine fish, and 41 amphibians.</p> <p>In September 2021, an extreme precipitation even resulted in the Kitimat River flooding overland and into the River Water Intake Pipeline excavation. The excavation was actively being dewatered to prevent the pipeline from rising with the water level in the pipeline excavation and impacting a live gas line. The pump being used did not have a fish screen, as it was originally dewatering ground and rainwater in the pipeline excavation prior to the flood event. A fish screen was installed, and an assessment was conducted for signs of fish mortalities; no mortalities were identified.</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 2021, include but are not limited to:</p> <ul style="list-style-type: none"> • Minette Bay South construction of Marine Fish habitat offsets. • Piling activities during the Oolichan/herring risk window to share additional information on plans/mitigations • 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 • Joint site visit with leadership in November 2021 to view construction progress and to visit fisheries offsets including Anderson Creek. 		
5	The Holder must develop, in consultation with DFO and OGC, a marine mammal management and monitoring plan applicable during Construction that must: -Identify the geographic areas where, and periods of time when, Construction could cause injury to marine	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	Ongoing	In Compliance

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	<p>mammals;</p> <p>-Identify the geographic areas where, and periods of time when, Construction could cause behavioural change to marine mammals;</p> <p>-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;</p> <p>-Specify the role of a Qualified Professional in observing and reporting marine mammals in the areas of potential injury to marine mammals during Construction;</p> <p>-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</p> <p>-Specify mitigation measures for construction noise that will prevent or reduce behavioural change or injury to marine mammals.</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 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> <p>-Identify the geographic areas where, and periods of time when, Operations could cause behavioural change or injury to marine mammals;</p> <p>-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;</p> <p>-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</p> <p>-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> <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>Management Plan (MATMP), Dredge Environmental Management Plan (DEMP), and Marine Monitoring Plan (MMP).</p> <p>In-water dredge works for dredge season 3 began in October 2020 and continued through to February 2021, including obstacle and known debris removal, as well as management of dredgeate classified as above and below industrial limits. In December of 2020, LNG Canada commenced Disposal at Sea (DAS) activities related to the LNG Canada dredge pocket. DAS activities related to dredge season 3 continued to February 4, 2021. A minor dredge scope remains related to clean up of the perimeter of the dredge pocket. Material is planned to be disposed of onshore and no further changes to the MMP and DEMP were required. In water works recommenced for dredge season 3 in May 2021. Dredging of IL-/DAS material was completed on June 7, 2021.</p> <p>In August of 2021, after completion of dredging, 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>MOF construction work was completed in 2021, and operations commenced with the arrival of the first vessel on June 6, 2021. A minor amount of scour protection remains to be installed in 2022.</p> <p>As of the end of 2021, works at Berth 2 are 60% complete. Works completed in 2021 include the installation of 151 king piles, 162 sheet piles, and 349 anchor wall sheet piles. 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 and then impact piling is used due to geotechnical reasons, and also when rejection of the vibro-hammers was encountered. 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 2021. In -water activities at Berth 2 were shut down for a total of 15 hours related to the marine mammal observation program in 2021. In April of 2021, LNG Canada received the first IAAC Decision Statement amendment which clarified wording in the Decision Statement related to Marine Mammal Exclusion Zone for pinnipeds. No management plan changes were required as a result of this amendment.</p> <p>In 2021, the following marine water quality event was self-disclosed by JFJV (EMBC, OGC):</p> <ul style="list-style-type: none"> January 17, 2021: Clean construction fill washed into dredge pocket (from MOF and Berth 2), that was then moved to the Disposal at Sea (DAS) pocket. 		

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		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.		
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>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 dredge season 3 began in October 2020 and continued through to February 2021, including obstacle and known debris removal, as well as management of dredgeate classified as above and below industrial limits. In December of 2020, LNG Canada commenced Disposal at Sea (DAS) activities related to the LNG Canada dredge pocket. DAS activities related to dredge season 3 continued to February 4, 2021. A minor dredge scope remains related to clean up of the perimeter of the dredge pocket. Material is planned to be disposed of onshore and no further changes to the MMP and DEMP were required. In water works recommenced for dredge season 3 in May 2021. Dredging of IL-/DAS material was completed on June 7, 2021. In August of 2021, after completion of dredging, 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 2021, 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, dredging activities, and DAS related monitoring. Throughout 2021, reports for the LNG Canada project have been shared as required by the MMP for the duration of identified construction activities/monitoring programs, including effluent quality reports, authorized discharge rates, marine mammals, sediment deposition and marine water quality, and biomonitoring.</p> <p>Twenty exceedances of contaminants of concern occurred on 13 days during 2018, 2019, 2020 and 2021 mechanical and hydraulic dredging activities. For the most part, these exceedances were deemed to be due to natural environmental variation and did not have long term environmental impact. Three exceedances in January 2021 were related to dredging at the southern extent of the dredge pocket but did not have long term environmental impact.</p> <p>In 2021, the following marine water quality event was self-disclosed by JFJV (EMBC, OGC):</p> <ul style="list-style-type: none"> • January 17, 2021: Clean construction fill washed into dredge pocket (from MOF and Berth 2), that was then moved to the Disposal at Sea (DAS) pocket. <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 2021 included, but were not limited to:</p>	Ongoing	In Compliance

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		<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 • Discussions on Dredging and Disposal at Sea Season 3 • Monthly meeting with Gitga'at to discuss Marine scope and related Environmental Management Plan implementation • Site visit with Indigenous Groups in November 2021 to view construction progress including water quality management at site. 		
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>Minimal clearing (~0.2ha) took place in 2021, with works focused on danger trees, road maintenance, temporary trail construction and isolated vegetation associated with offset construction. 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>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.</p> <p>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>There was no impact to any red or blue-listed species communities in 2021. No additional species were found.</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>JFJV, in coordination with LNG Canada, updated the Invasive Plant 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, and the updated Invasive Plant Management Plan (Revision 1) was submitted to EAO and shared with Indigenous Groups in August 2021.</p> <p>Equipment mobilizing and demobilizing from site were inspected to ensure spread of invasive plant species was minimized, with 139 pre-mobilization equipment inspections undertaken in 2021.</p> <p>Nine (9) focus assessments were completed in the 2021 growing season (i.e., April to August) in various areas within the Project footprint. A focus assessment was conducted on all previously disturbed areas on September 2 and 3, 2021. The following invasive species were identified</p> <ul style="list-style-type: none"> • Canada Thistle (Cirsium arvense) • Bull Thistle (Cirsium vulgare) • Common Tansy (Tanacetum vulgare) • Himalayan Balsam (Impatiens glandulifera) • Ox-eye Daisy (Chrysanthemum leucanthemum) • Yellow Toadflax (Linaria vulgaris) <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 in large plastic bags and disposed of in the permanent soil stockpile; a hole was dug at least 3 meters below ground, in which the plant material was placed and backfilled over. Approximately 35 m³ of plant material was disposed of.</p> <p>LNG Canada will share information with Haisla Nation regarding implementation of the plan on an ongoing basis as appropriate.</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 Holder's planned date to commence Construction. The Holder must implement the plan to the satisfaction of EAO.</p>	<p>In 2021, LNG Canada completed an assessment of adjacent wetlands to the project to ensure wetland function has not been compromised. The assessment concluded that no impacts to adjacent wetland function has occurred due to site activities.</p> <p>LNG Canada completed the construction of the remaining wetland habitats in 2021, in conjunction with the completion of construction of the fisheries offsetting program. Although, LNG Canada continued to work with an external stakeholder on securing wetland habitat associated with a conservation covenant, a finalized agreement could not be completed in 2021. Discussions will continue into 2022. Effectiveness monitoring associated with constructed habitats was completed in 2021 and will continue in 2022.</p>	Ongoing	In Compliance

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EAC Condition Reference	EAC Condition	Activity to Fulfill Condition Requirements (2021 Annual Report)	Condition Status: Complete, Ongoing or To Be Initiated	EAC Holder Assessment of Compliance Status
		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>JFJV, in coordination with LNG Canada, updated the Surface Water 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, and the updated Surface Water Management Plan (Revision 1) was submitted to EAO and shared with Indigenous Groups in August 2021.</p> <p>Water quality sampling is conducted daily at established compliance and background point locations. 3,707 water quality samples were conducted in 2021 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.</p> <p>An additional 1,689 samples were taken by subcontractors to support specific construction activities.</p> <p>In 2021, the following freshwater quality events were self-disclosed to regulators (EMBC, OGC, Haisla Nation):</p> <ul style="list-style-type: none"> • March 27, 2021: Elevated turbidity in WAC Pond 4 (Beaver Creek); End of Spill Report submitted • August 19, 2021: Elevated sulphide above the Working Water Quality Guidelines in the receiving environment in Anderson Creek • October 3, 2021: Elevated turbidity in Anderson Creek • November 27, 2021: Elevated turbidity in WAC Pond 2 (Beaver Creek); End of Spill Report submitted <p>In 2021, a sheet pile bund wall was installed around the plant site to minimize exposure to plant site erosion and sedimentation. 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>LNG Canada undertook site visits with Indigenous Groups in November 2021 to view construction progress including water quality management at site.</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>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.</p> <p>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>On January 13, 2021, three remote cameras that were used to monitor wildlife activity were stolen along with the memory cards and mounting brackets. This event was self-disclosed to EAO, and cameras replaced</p> <p>In 2021, 621 migratory breeding bird nest inspections and monitoring events (including pre-clearing surveys, active nest monitoring and final assessments) were undertaken by Triton Environmental Monitors or Stantec Avian Biologist. In addition, 6 wildlife surveys prior to vegetation clearing lead by JFJV (typically covered large areas of land where bear dens, raptor nests and other wildlife features were identified) were undertaken in 2021. In 2021, there were no self-disclosures to regulators related to the pre-clearing bird nest survey.</p> <p>In 2021, 1 (one) bat box was installed at Anderson Creek Pond 1, for a total of seven (7) boxes installed on site to date. Monitoring was conducted throughout the year, and visible signs of use were observed in all 7 boxes.</p> <p>LNG Canada has continued to work with external stakeholders in securing habitat offset area for the Marbled Murrelet via a conservation covenant. LNG Canada continued to work with stakeholders in 2021 to secure the habitat offset; however, in late 2021 it was decided to put discussions on hold until 2022 due to regional staffing constraints and a focus on wetland and fisheries discussions occurring.</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 2021 include:</p> <ul style="list-style-type: none"> • Outland Youth Employment Program (OYEP): LNG Canada delivered its third and final year sponsorship agreement with OYEP to provide funding for Indigenous Youth to participate in an empowering life skills and job readiness camp in Northern BC, and supported COVID planning to ensure camp implementation. After careful consideration LNG Canada will not be renewing the agreement with OYEP and instead will be seeking a partner to deliver similar program outcomes with local impact. • Indspire: LNG Canada entered Year 2 of a 3-year sponsorship agreement with Indspire which covers a number of initiatives including Soaring: Indigenous Youth Empowerment Gathering, Building Brighter Futures and Indspire's National Gathering for Indigenous Education. 2021 saw most events taking place virtually and all scholarship funds were delivered to students from First Nation communities within our project area. • Canadian Council for Aboriginal Business (CCAB): In the absence of event sponsorship opportunities due to COVID, 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 CCAB Online Business Recovery Forum. • Digital Capability for Kitimat Training Facility: \$75,000 contribution towards upgrading digital capabilities of classrooms at Kitimat Valley Institute. • Your Place: The implementation of the Your Place program to attract, train and recruit women to the construction workforce, has continued despite a few challenges in the past year, resulting in 106 program graduates. Given COVID implications for the individuals and their families, we have seen some women opt to look for employment outside of the LNG Canada site. However, we have approximately 70% of the graduates receive their first employment in trades and related industries. Cohorts 1-9 have been completed with a deferment of Cohort 10 until the current wave of COVID -19 and the Omicron variant subsides. • 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. Given COVID implications has resulted in reduced registrations as individuals delay career development opportunities. Funds not utilized in 2021 remain available for utilization in 2022. • LNG Canada Connect: Renewed investment in the LNG Canada Connect program to assist local area and BC workers with finding placement in 	Ongoing	In Compliance

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		<p>construction jobs, including removal of barriers e.g., transportation costs, PPE, tools, updated tickets)</p> <ul style="list-style-type: none"> • Virtual Contractor Information Session in September 2021 to provide an introduction to Asset Phase contracting and procurement opportunities attended by more than 80 Indigenous and local business representatives. • Virtual community update televised locally and promoted through social media channels capturing construction progress and efforts in the community. • 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 December 2021, The LNG Canada Project has awarded \$3.64 billion (CAD) in contracts and procurement to companies in British Columbia, including over \$2.8 billion to local area and First Nations companies. A peak of 743 local area workers were employed with the LNG Canada Project in August 2021, and a peak of 376 Indigenous workers were employed with the Project in November 2021.</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. 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>The CLISMP was approved by EAO on June 13, 2016. In 2019, LNG Canada Implemented the Social Management Roundtable (SMR) process.</p> <p>During 2021, four SMR meetings were held. Due to COVID-19 restrictions, all SMR meetings have been held virtually since February 2020. The 2020 annual CLISMP report was submitted to the BC EA on July 28, 2021.</p> <p>The Q4 2020 SMR was held virtually on February 23-24, 2021. Four working groups sessions were attended by 76 community and provincial stakeholders and Indigenous Group participants. A summary report capturing socio-economic monitoring trends and feedback from Q4 2020 SMR working groups was published online March 26, 2021 and shared with SMR participants.</p> <p>The Q1 2021 SMR was held virtually on May 4, 2021. Three working group sessions were attended by 75 community and provincial stakeholders and Indigenous Group participants. A summary report capturing socio-economic monitoring trends and feedback from Q1 2021 SMR working groups was published online May 24 and shared with SMR participants.</p> <p>The Q2 2021 SMR was held virtually on August 10-11, 2021. Four working group sessions were attended by 68 community and provincial stakeholders and Indigenous Group participants. A summary report capturing socio-economic monitoring trends and feedback from Q2 2021 SMR working groups was published online October 4 and shared with SMR participants.</p> <p>The Q3 2021 SMR was held virtually on November 24, 2021. Three working group sessions were attended by 67 community and provincial stakeholders and Indigenous Group participants. A summary report capturing socio-economic monitoring trends and feedback from Q3 2021. SMR working groups was published online January 11, 2022 and shared with SMR participants.</p> <p>The Q4 2021 SMR will take place virtually on February 23-24, 2022 and will convene four working groups. The CLISMP Annual Report will cover the period January 1 - December 31, 2021 and will be submitted to EAO by June 1, 2022.</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>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. "In 2021, the project increased collaboration with Northern Health with an increased focus on COVID management. The project has progressively increased the health and medical capability including vaccine delivery, case/contact tracing, testing and screening capabilities.</p> <p>A key focus for 2021 was continuing to respond to the COVID-19 health pandemic, which required regular interface with Northern Health Authority. The project implemented COVID mitigation strategies in compliance with the Public Health Officer (PHO) orders focusing on reducing the risk of COVID being brought to site and into the community, reducing risk of transmission onsite, and minimizing the impact of additional workload to the Northern Health Region.</p> <p>Monthly health topic information is prepared for health promotion such as smoking cessation, benefits of active lifestyles, mental health, etc.</p> <p>A mental wellness coordinator commenced working on site in 2021; and the Project commenced implementation of Headversity for its employees and contractors. On-site counselling services were implemented as well as virtual counselling and 24/7 crisis phone lines. Mental wellness education was also initiated at the end of 2021.</p>	Ongoing	In Compliance
16	<p>The Holder must develop, in consultation with MOTI and the District of Kitimat, a traffic impact assessment and traffic management plan.</p> <p>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:</p> <ul style="list-style-type: none"> -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>The traffic management plan must be developed in accordance with MOTI's Traffic Management Guidelines for Work on Roadways. The traffic management plan must:</p> <ul style="list-style-type: none"> -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>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>The Project updated the existing traffic simulation model for Haisla Boulevard, which was the basis for the draft Traffic Impact Assessment, and associated Traffic Management Plan, shared with the District of Kitimat and the Ministry of Transportation and Infrastructure in Q1 2020 for review and comment. The Traffic Impact Assessment and Traffic Management Plan were updated in Q2 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 2021, the Project submitted the updated Traffic Impact Assessment and associated Traffic Management Plan. During 2021, the Project updated the existing traffic simulation model for Haisla Boulevard, which was the basis for the Traffic Impact Assessment and associated Traffic Management Plan; draft updates were shared with the District of Kitimat and the Ministry of Transportation and Infrastructure for review and comment and are currently undergoing finalization prior to submission to BC EAO in Q1 2022.</p> <p>A copy of the Traffic Impact Assessment, Traffic Management Plan and consultation comment trackers for both documents were shared with Haisla Nation for awareness in July 2020.</p>	Ongoing	In Compliance

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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:</p> <ul style="list-style-type: none"> -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>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:</p> <ul style="list-style-type: none"> -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; -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; -Specify actions to inform affected stakeholders and Aboriginal Groups of potential interference with marine navigation as a result of Operations activities; -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; -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; -Specify actions to coordinate activities with other marine users, particularly with other shippers; and -Specify mitigation to reduce disruption of marine navigation as a result of Operations activities. <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</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>The LNG Canada MATMP addresses mitigations related to marine navigation, transportation and use. In 2021, LNG Canada complied with all aspects of the MATMP, and continued to monitor the LNG Canada project marine contractor's activities and manage their marine vessel movements through the LNGC Marine Traffic Coordination (MTC) role.</p> <p>Ongoing into 2022 is the EPC 's marine construction work building the Materials Offloading Facility and LNG Berth Number 2. In Q4 2021, the commencement of Heavy Lift Vessels transportation of LNG modules fabricated overseas for installation at the Kitimat construction site took place.</p> <p>LNG Canada continues to implement the Vessel Quality Assurance (VQA) Program to evaluate marine vessels before they may be used for marine construction and transportation activities by the project's contractors. The VQA Program includes, in 2021, the addition of a new process for the review and approval of Heavy Transport Vessels to support delivery and unloading of module cargoes in Kitimat starting in Q4 and running until Q1 2024.</p> <p>LNG Canada continues to communicate marine traffic information to Indigenous Groups and marine users as per the MATMP. "Safe Shipping" information is posted on LNG Canada webpage as well as through the Canadian Coast Guard's Navigational Warnings and providing information to support Canadian Hydrographic Service Nautical Chart and Marine Publication updates for the Port of Kitimat. All have been issued or provided for the safety of local public marine users. Of particular note for 2021, this included multiple public and First Nation engagements in October/November online (to mitigate COVID risk) to inform and educate local marine stakeholders in the change in project shipping to include Heavy Transport Vessel activities in the coastal waters and port of Kitimat and precautions to take for the marine safety of all marine users.</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 2021 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 in advance of milestone shipping activities, such as the arrival of heavy lift vessels to site, the completion of dredging or piling activities, and the export of IL+/- materials by sea. 	Ongoing	In Compliance

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	Holder must also provide the final plan to TC, DFO and Aboriginal Groups. The Holder must implement the plan to the satisfaction of EAO.	<ul style="list-style-type: none"> • Dedicated quarterly shipping lookahead meetings with Gitga'at to provide an overview of expected shipping traffic in the upcoming quarter. • Series of meetings with Indigenous Groups throughout October and November 2021 for an LNG Canada Marine Transportation Update including information about the arrival of Heavy Transport Vessels to site and a Q&A session. 		
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>LNG Canada will develop a wake verification plan and provide that plan to EAO no less than 60 days prior to planned date to commence Operations.</p> <p>Initial conversations with Indigenous Groups and regulatory agencies took place in late 2021, introducing LNG Canada's plans to commence development of a baseline collection program in 2022.</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>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 first semi-annual report (from July to September 2020) was submitted to EAO, Northern Health and Ministry of Environment and Climate Change Strategy (ENV) in December 2020. The second semi-annual report (from October 2020 to March 2021) was submitted to EAO, Northern Health, and Ministry of Environment and Climate Change Strategy (ENV) in June 2021, and the third semi-annual report (from April 2021 to September 2021) was submitted in December 2021.</p> <p>In addition, a review was undertaken based on the first year of data, from when Cedar Valley Lodge commenced operations (July 15, 2020 to July 14, 2021), with a memo summarizing the finding submitted to EAO, Ministry of Health, Northern Health, Ministry of Environment and Climate Change Strategy and the BC Oil and Gas Commission in November 2021. The review findings verified the very conservative nature of the peak to mean ratios employed in the human health risk assessment, that supported the Workforce Air Quality Health Plan. As a result, the actual air quality health risk is substantially lower than that portrayed in the Human Health Risk Assessment. It also found that the Trigger Action Response Plan was effective at communicating the appropriate health messages and aligned very closely to the Kitimat SO2 Alert Pilot Project.</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>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"> • 2020 B.C. EAO Annual Report (shared with Indigenous Groups on February 1, 2021) • 2020-2021 IAAC Annual Report (shared with Indigenous Groups on June 30, 2021) • IAAC Implementation Schedule 2 Year Update shared with Indigenous Groups on June 14, 2021 <p>JFJV, in coordination with LNG Canada, updated the CEMP and the supporting terrestrial environmental management plans (EMPs) in late 2020 / early 2021. The Project undertook consultation and engagement activities with applicable First Nations and regulators in Q1/Q2 2021 in accordance with the EAC; and the updated CEMP (Revision 1) submitted to EAO and shared with Indigenous Groups in August 2021, with a summary of changes.</p> <p>In December 2020, the Project was issued an Order under Section 53(1)(b) of the Environmental Assessment Act with respect to maintenance and inspection of secondary containments and drip trays. Monthly site wide inspections of hydrocarbon containers, secondary containments and drip trays were completed</p>	Ongoing	In Compliance

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		weekly. Monthly summary reports of the inspections were submitted to EAO during Q1 & Q2 2021 in conformance with the Order. Ongoing focus fuel and chemical inspections continue to be completed site wide.		
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>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 & Golder), where appropriate. During the reporting year, 1,418 environmental inspections were completed by JFJV, plus 2,913 daily environment monitor (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>The Final Draft of the Aboriginal Consultation Summary was shared with all Indigenous Groups on January 31, 2018.</p> <p>LNG Canada will continue 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

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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>Throughout 2020, LNG Canada worked with Haisla Nation to review the final version of the updated Cultural Awareness Program (CAP) Material for the Project. In 2020, LNG Canada also shared the updated CAP materials with all Indigenous Groups. The updated CAP package included a welcome video/land acknowledgement and CAP summary video, a hard copy of the Participant Manual, and a portable drive containing soft copies of the Participant Manual as well as the CAP presentation. Cultural Awareness continues to be required as part of the site orientation for all workers on the Project. LNG Canada will continue to do periodic reviews of the CAP materials for the Project and incorporate any updates on an adaptive management basis.</p> <p>A new updated version of the CAP began on site via live feed on June 12, 2020. The new course content is now being delivered to people joining the Project in Kitimat and across LNG Canada. In 2020, LNG Canada worked with KVES to transition virtual delivery of the CAP course. We will return to face-to-face delivery once Covid-19 restrictions have been lifted</p> <p>To further develop Indigenous cultural competencies, LNGC hosted a Fireside Chat with the Haisla Chief and Elders. Various topics were discussed with an opportunity for employees to ask questions.</p> <p>LNG Canada has established an Anti-Racism Committee to create more awareness of social and economic injustices. Indigenous cultural competencies will be incorporated into the Anti-Racism training program. In future, LNG Canada plans to incorporate "Blanket Ceremonies" to further support cultural competencies.</p>	Ongoing	In Compliance
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>Throughout 2021, members of Haisla Nation 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. Haisla fisheries conducted Anderson Creek spawner surveys.</p> <p>In addition, LNG Canada invited Haisla Nation representatives to site to witness key construction milestones including the roof raising ceremony for the LNG Canada storage tank and the installation of the Train 1 absorber vessel.</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; however, due to COVID restrictions and risks, site participation in 2021 were limited.</p> <p>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