

# LNG Canada

## 2021 Q1 Social Management Roundtable / CLISMP Update



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# 1. Executive Summary

LNG Canada is committed to managing socio-economic effects associated with the construction and operation of its liquefied natural gas (LNG) facility and marine terminal (the Project). LNG Canada began implementation of its Community Level Infrastructure & Services Management Plan (CLISMP) on April 1, 2019, together with its prime contractor JGC Fluor BC LNG Joint Venture (JFJV). The CLISMP entails social management plans that outline actions to mitigate the Project's adverse direct effects on community level infrastructure and services, community engagement mechanisms, socio-economic monitoring and reporting over the duration of construction and two years into operations. CLISMP scope focuses on communities near the LNG Plant footprint, namely: District of Kitimat, City of Terrace, Regional District of Kitimat Stikine, Haisla First Nation, Kitselas First Nation and Kitsumkalum First Nation. When considering potential impacts to community health, the CLISMP scope is broadened to also consider nearby Indigenous Groups: Gitxaala Nation, Gitga'at First Nation, Lax Kw'alaams Band and Metlakatla First Nation. The following report summarized Project activities and feedback from community stakeholders for the period January–March 2021 (2021 Q1) as these pertain to CLISMP implementation.

## 1.1. Summary of Project Effects

Overall, the Project had limited direct impact on community level infrastructure and services in this period, with some indication of increasing strain on regional landfill(s). Indirect and induced effects in conjunction with effects of the COVID-19 pandemic continued to be felt in surrounding communities. In 2021 Q1, the Project provided accommodation for a peak of 1,882 non-local workers (March 2021) and employed a peak of 592 workers from local communities (March 2021). Throughout 2021 Q1, in response to the COVID-19 pandemic, the Project continued implementation of travel, accommodation and site COVID-19 protocols to protect the health, safety and well-being of nearby First Nations, communities and workers.

Table 1 summarizes the direct Project effects on community infrastructure and services measured in 2021 Q1 and evaluates the effectiveness of mitigations.



**Table 1 Summary of Direct Project Effects January–March 2021 (2021 Q1)**

Social Impact Category	Project Effect	Effectiveness of Mitigations
Housing & Accommodations	1,882 non-local Project workers (peak in March) were housed on-site at Cedar Valley Lodge, while a total of 56 Project staff had been relocated to Kitimat with company-provided housing.	By prioritizing hiring from the local area, housing non-local workers onsite at Cedar Valley Lodge while on rotation, not paying living-out allowances to the workforce, and limiting the number of employees relocated with company-provided housing in Kitimat, the Project has limited demand on market housing.
Community Health	There were eight occupational injuries and illnesses and 23 non-occupational injuries and illnesses requiring treatment in local hospitals. Nine notifications to health authorities for occurrence of communicable illness/disease took place, primarily related to COVID-19 daily briefings.	By providing a full range of medical services at the Project site and accommodations, continued communication and coordination with Kitimat General Hospital, the Project has limited direct demand on local medical services. The Project kept in regular contact with health authorities regarding COVID-19 to ensure the health and safety of workers and the community.
Air Traffic	A peak of 648 Project personnel in March 2021 were on commercial flights through YXT airport, while a peak of 3,697 Project personnel travelled on charter flights through YXT airport.	By using chartered flights for the majority of the workforce, Project direct effects on YXT airport were limited.
Road Traffic	Volume of Project-related road traffic (personnel shuttles) gradually increased over 2021 Q1, coinciding with an increased workforce size.	By transporting workers to and from the airport, workforce accommodations, and Project site on company-provided shuttles, establishing Park & Ride lots, and enforcing shuttle transit for local workers, the Project has limited the use of personal vehicles on local roads.
Emergency Response Services	During 2021 Q1 there was minimal Project-related emergency response demand at the work site or Cedar Valley Lodge: <ul style="list-style-type: none"> <li>• 8 ambulance service calls</li> <li>• No fire department service call</li> <li>• 2 RCMP calls</li> <li>• No medical evacuations</li> </ul> Three meetings were held during 2021 Q1 to coordinate emergency response.	By implementing the workers Code of Conduct and cultural awareness training, Emergency Response Plans, the Safer Together Program, and providing on-site health and security services at Cedar Valley Lodge, the Project has limited direct demand for local emergency services.



**Table 1 Summary of Direct Project Effects January–March 2021 (2021 Q1)**

Social Impact Category	Project Effect	Effectiveness of Mitigations
Utilities -Waste	<p>During 2021 Q1 the Project disposed 800 metric tonnes of non-hazardous solid waste within RDKS at Forceman Ridge, of which 589 metric tonnes went to landfill.</p> <p>In March 2021 some waste streams were redirected from Forceman Ridge to waste facilities outside the region.</p> <p>No Project waste was disposed at landfills in Terrace or the District of Kitimat</p>	<p>Efforts are underway to assess the potential strain on regional landfills, including simplified interfaces between the Project and RDKS/Forceman Ridge, improved Project reporting of key waste streams, including those that consume landfill space, and development of a Project inventory of waste generators (controlled waste permit holders) and robust Project waste projections to support RDKS planning needs.</p>

## 1.2. Summary of SMR Working Group Sessions

On May 4<sup>th</sup>, LNG Canada and its prime contractor JGC Fluor BC LNG Joint Venture (JFJV) convened its 2021 Q1 virtual Social Management Roundtable (SMR) which pulled together three working groups to review Project data and feedback from service providers to better understand the experiences of community. Working groups entailed:

1. Housing & Accommodations (including Childcare)
2. Community Health
3. Traffic & Emergency Response

A discussion regarding waste was included in the 2021 Q1 SMR due to an increasing trend of the Project’s potential strain on Forceman Ridge waste management facility. The Project included an update on what it has learned over the last quarter regarding waste disposal and how it is working with the Regional District of Kitimat-Stikine (RDKS) to resolve issues.

Participants representing a total of 32 service organizations, First Nations, government agencies, and stakeholder groups joined the LNG Canada Project team virtually to ask questions and to provide feedback and insights (75 total participants). The session included a Project construction and workforce update, including how the Project is responding to COVID-19, and a review of Project metrics and some community trends observed for 2021 Q1 for each working group. Actions captured from the meeting and a status update on actions captured from previous meetings can be found in Table 3.

## 2. Introduction

This interim quarterly update provides an overview of Project activities during 2021 Q1 (January 1–March 31) and summarizes Project-specific metrics and community feedback to help the Project assess effectiveness of its social

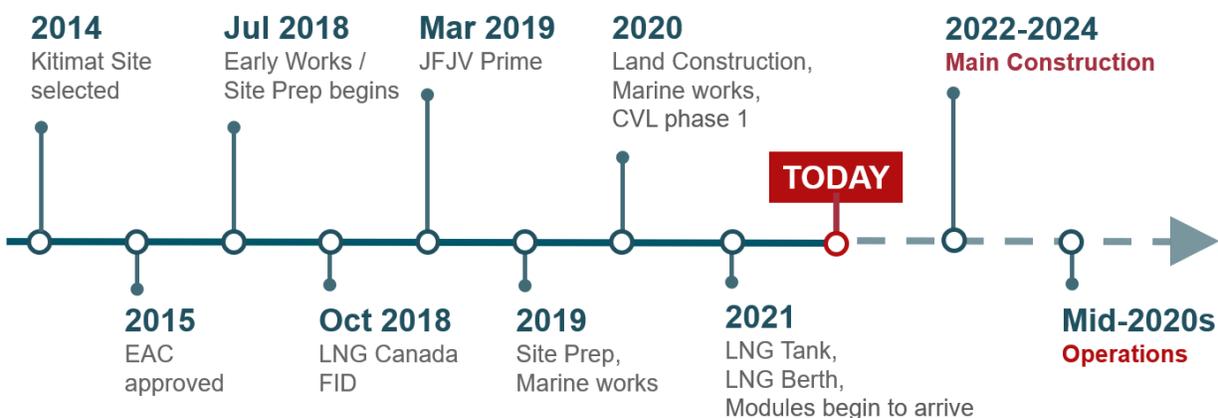


management plans. This report also serves as a record of information and discussion from Social Management Roundtable (SMR) working group meetings that took place virtually May 4<sup>th</sup>, 2021.

### 3. Project Update

#### 3.1. Construction Update

The LNG Canada Project (Phase 1) is anticipated to take approximately five years to complete. The initial three years of Project construction will focus on site preparation, construction of the Cedar Valley Lodge (worker accommodation), LNG tank and the marine terminal. Major construction is slated to commence in 2022, involving assembly of the LNG plant and associated components. The following construction timeline and update were provided to SMR participants at the May 4 meeting (**Error! Reference source not found.**).



**Figure 1 Project Timeline**

During 2021 Q1 aggregate hauling, piling activities, concrete foundations/pile caps were ongoing, while progress continued on numerous key work scopes including: Terminal A extension, marine offsets, LNG berth, material offloading facility, LNG tank, river water intake, Cedar Valley Lodge and non-process buildings.

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Figure 2 to Figure 4 illustrate some of the Project construction activities that took place in 2021 Q1.

**MAJOR CONSTRUCTION MILESTONE:** On April 20, 2021 LNG Canada's Phase 1 plant piling program was concluded after having driven 6,483 piles to lay the foundation for the LNG process trains. Completion of this milestone now sets in motion a significant concrete and undergrounds campaign followed by erection of equipment and modules towards the end of 2021. Intermittent piling will continue at other Project locations into 2022.

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**Figure 2 Main Plant and LNG Tank (Q1 2021)**



**Figure 3 Marine Terminal (Q1 2021)**



**Figure 4 Haul Road and Marine Terminal (Q1 2021)**

### 3.2. Project Workforce

During 2021 Q1, the Project employed a peak of 3,378 people in the month of March. This total workforce is higher than the total number of workers at the job site each day, as this figure includes local and non-local workers on rotation in Kitimat, along with workers currently off rotation and newly hired workers mobilizing to site.

Direct effects of the Project workforce on community infrastructure and services focuses largely on the number of non-local workers lodged in the area because these persons represent a temporary increase in population within the area, which can place demands on infrastructure and services. During Q1, a peak population of 1,882 non-local Project workers were staying on-site at Cedar Valley Lodge (average number of beds occupied in March), while a peak of 592 workers from local communities were employed by the Project, commuting daily from their local area residences. The Project has continued to limit the number of relocated workers and families provided with housing in Kitimat, with 56 relocated Project staff accompanied by 27 school-aged children at the end of Q1 2021.



In December 2020, the annual seasonal ramp down took place at the Kitimat Project site with approximately 450 workers remaining from December 23 to January 3. In adherence to Provincial Health Officer (PHO) Restart Orders,



the Project gradually increased workforce numbers up to 1,162 on-site by January 20, 2021. Following the approval of LNG Canada's restart plan, workforce numbers have been gradually increased to approximately 2,300 workers present on-site at the end of March 2021 and at the end of April, the workforce present on-site has cautiously increased to about 2,700. Further increases in workforce size will be a decision based on prudent COVID-19 control and will involve appropriate engagement with public health authorities.

Recognizing the uncertainty introduced with the evolving COVID-19 pandemic, 2021 may see an increase in hiring and workforce numbers during the second half of the year in anticipation of main construction activities from 2022 through to 2024. During peak construction, up to 7,500 employed workers are anticipated, with 4,500 workers housed on-site at Cedar Valley Lodge and others commuting daily from their local residences, with the balance of workers off rotation in their home communities.

### 3.3. COVID-19 Update

LNG Canada is committed to protecting workers and surrounding communities from COVID-19, and to reducing the risk of infection in all areas of our operations and activities:

- Continuous enhancement of COVID-19 protocols on-site and at workforce accommodations
- COVID-19 rapid screening program at charter hubs in Calgary, Edmonton, Vancouver, Nanaimo and Kelowna and at the Kitimat site
- Introduced Mandatory Post-Arrival Secondary Antigen Test – all workers staying at Cedar Valley Lodge are required to take a second test three days after arrival
- Implementation of Northern Health vaccine program at the Kitimat site
- Additional resources and equipment to manage COVID-19 prevention and care, including increased staffing of medical professionals and increased supplies of medical grade oxygen
- Adherence to [Orders from Provincial Health Officer](#), Dr. Bonnie Henry

There were no new instances of COVID-19 clusters or outbreaks at the Project site in Q1 2021<sup>1</sup>. The Project's response to COVID-19 was discussed at the May 4 SMR.

## 4. Engagement

LNG Canada has a robust stakeholder and Indigenous engagement program designed to provide updated Project information and to discuss the implementation of the Plan during construction of the Project. LNG Canada will review its engagement mechanisms on an ongoing basis and will revise if needed.

Table 2 below outlines a range of engagement activities carried out by LNG Canada and its prime contractor, JFJV, during 2021 Q1. These activities are complemented by routine and frequent engagement with Indigenous groups, community organizations, and local governments, including key authorities and planning focal points. Considering

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<sup>1</sup> A COVID-19 outbreak occurred at the LNG Canada Project site December 16-January 11, which falls inside the Q1 2021 reporting period. This was discussed at the Q4 2020 SMR meeting and captured in related reporting.



physical distancing and other constraints imposed by the COVID-19 pandemic, the Project has reduced face-to-face engagement activities (e.g., Community Open Houses). The vast majority of engagements were conducted virtually during the reporting period.

**Table 2 Project Activities Community Engagement during 2021 Q1**

Engagement Type	During 2021 Q1
Community Feedback Process	In 2021 Q1, there were 701 inquiries including 8 concerns or complaints. Of those, 6 were related to infrastructure and service impacts: 2 traffic, 1 related to COVID-19 and 3 related to waste management
Project Website and Facebook page	<a href="http://www.jfvkitimat.com">www.jfvkitimat.com</a> for online construction updates, employment and contract opportunities. Follow JFJV Kitimat on Facebook (3,683 followers)
Project Resource Centre	Walk-in Project information centre located in Kitimat mall open Mon–Fri. Due to COVID-19 restrictions, the PRC was closed to the public from December 22, 2020 – March 1, 2021. The centre re-opened to the public on March 2, 2021.
Social Management Roundtable	Q4 2020 SMR meeting was held virtually February 23-24, 2021 (four working groups: with participants representing 34 service providers, First Nations, government agencies and stakeholder groups).
SMR Participant Survey	Survey sent to participants in April 2021 regarding CLISMP reporting and data collection

## 5. Project Benefits

LNG Canada works with local municipalities, First Nations, local organizations, the local business community, and area residents to ensure both direct and indirect benefits are realized by communities in proximity to the LNG plant site.

### EMPLOYMENT

LNGC Canada, JFJV, subcontractors and sub-subcontractors are all required to follow a local hire first policy that evaluates qualified applicants and prioritizes hiring of Haisla members or their spouses, and local residents from the Kitimat-Terrace area including Kitselas and Kitsumkalum members. Next hiring priority is given to BC residents, including Gitga'at, Gitxaala, Metlakatla and Lax Kw'alaams members, and then Canadians more broadly. In addition, the Project places an emphasis on the hiring of women.



During the month of March, 3,378 people were employed to work on the LNG Canada Project in Kitimat, including 592 local area workers, 481 women and 259 Indigenous workers (of whom 54% were from the local area).



## CONTRACTING & PROCUREMENT

The Project places a priority on contracting and procurement with Haisla and other Indigenous-owned businesses as well as with local area businesses. As of March 2021, LNG Canada, and its contractors and subcontractors, have awarded over \$3.2 billion CAD in contracts and procurement to business in British Columbia. Of this amount, over \$2.6 billion CAD has been awarded to First Nations-owned businesses and local area businesses.

**\$3.2 Billion**

**BC Contracts**

**\$2.6 Billion**

**First Nations & Local Contracts**

Two examples of BC companies working with the LNG Canada Project were shared with SMR participants and similar examples will continue to be shared at future meetings:

- Kentron Construction, Kitimat, BC (concrete supply)
- Ledcor Haisla Limited Partnership, Kitimat, BC (early civil works, marine habitat offsets, demolition), with a focus on LHLP's Construction Readiness Program

## MUNICIPAL CONTRIBUTIONS

In 2021 Q1, \$538,500 CAD was contributed to the District of Kitimat's (DOK's) Affordable & Accessible Housing Fund directly from the LNG Canada Project (paid by JFJV) for additional bed capacity in line with further completion of Cedar Valley Lodge. The DOK Affordable & Accessible Housing Fund levies a one-time fee of \$500 per bed unit for workforce accommodations in Kitimat. Since 2016, workforce accommodation providers in Kitimat have contributed over \$3.2 million CAD to the DOK Affordable & Accessible Housing Fund.

## COMMUNITY CONTRIBUTIONS

LNG Canada has supported programs benefitting local communities since 2012, working with local organizations, non-profit groups and many others on initiatives in several areas, including education, environment, enterprise and workforce development, and community wellness. A key objective of these initiatives is to partner on sustainable programs that strengthen community resilience and enhance Project mitigation efforts. More information about LNG Canada's social investment process can be found at: [www.lngcanada.ca/about-lng-canada/social-investment-in-the-community/](http://www.lngcanada.ca/about-lng-canada/social-investment-in-the-community/)

Since 2019 JFJV has also contributed community funding to support a range of philanthropic initiatives including: Festivals Kitimat, Kitimat Food Bank, Kitimat Fish Derby, as well as both Kitimat and Terrace Community Foundations. More information about the JFJV community funding process can be found at: [www.jfjvkitimat.com/community-investment](http://www.jfjvkitimat.com/community-investment).

## WORKFORCE DEVELOPMENT

The LNG Canada Project has invested in workforce development programs to build skilled trades in BC since 2012, with efforts to increase numbers of apprentices as well as women, local residents and Indigenous people working in



the construction industry. Due to COVID-19 restrictions, several programs were paused in 2020. Several initiatives are now underway in 2021, including:

- Connect (job placements in construction sector, barrier removal) -services provided from Terrace, BC
- Trades Training Fund (apprentice training)
- Your Place (women in trades) – classes resumed in Terrace, April 2021
- JFJV Boot Camp – classes to begin in Terrace, May 2021
- JFJV GROW professional development program (greater representation of women at all levels)

## 6. Social Management Plans

### 6.1. Housing and Accommodations (including Childcare)

The Project has implemented or continued the following measures to manage Project-direct effects on housing and accommodations during 2021 Q1:

- Local hire first policy
- No living out allowances (LOA) provided to the workforce
- Non-local workers follow a job rotation system to encourage workers to maintain their home base
- Build and operate on-site workforce accommodations Cedar Valley Lodge to house non-local workforce on site. The Project has not used any open lodges since December 2020
- Require all contractors and subcontractors performing work on site to hire non-local workers on rotational basis, with travel, meals and accommodations provided by the Project
- Limit the number of employees relocated to Kitimat with partners and/or children and provide accommodations at company-provided housing (includes some contractor senior management)
- Share housing plans with the District of Kitimat

In 2021 Q1, all non-local workers were housed on site at Cedar Valley Lodge, with no use of Kitimat open lodges anticipated for the remainder of 2021. Cedar Valley Lodge will have a total capacity to 4,500 beds following the completion of the recreation facilities in Q2 2021. As of March 2021, the total number of relocated workers with families remained consistently low at 56. This number is anticipated to increase in late 2021 or early 2022 ahead of main construction. More details will be provided when available.

#### 6.1.1. Trends and Qualitative Feedback

A summary of housing and childcare trends/qualitative feedback shared during interviews with some community service providers in 2021 Q1 is provided below:

- Demand for social housing/shelter services in both Kitimat and Terrace has increased during 2021
- Social housing service providers received temporary funding due to the pandemic; however, one provider also indicated experiencing a decrease in food donations from local supermarkets because of COVID-19
- The availability of affordable housing is a challenge for single individuals as most of the available housing in Terrace (e.g., apartments, condos, townhouses) are built for households with multiple residents

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- Ongoing challenge for staff and social housing/services' clients to find affordable housing
- Availability of childcare remains a challenge in the community due to a lack of qualified early childhood educators, the loss of staff due to high rental costs and inability to compete with industrial wages
- Social housing clients have faced challenges due to the pandemic:
  - In accessing public facilities e.g., public toilets, laundry facilities, public phones (Ksan Society Residence and Shelter [KRS])
  - Observed increase in lay-offs, food insecurity, and financial hardship (Tमितik Status of Women [TSW], Haisla Daycare)

### 6.1.2.SMR Discussion

The Project discussed its housing community contributions, including two new programs: The Social Development Program with the City of Terrace, and the Childcare Administrator Training with the West Coast Child Resource Centre (WCCRC).

Tमितik Status of Women (TSW) presented their findings relating to their Homeless Prevention Program. TSW explained that while homeless doesn't appear to be a problem in Kitimat, 18% of its clients are hidden homeless (e.g., couch surfing, living with friends), which makes the issue easy to ignore. TSW consented to have the presentation distributed to SMR participants by the Project team. The issue was raised of people being unable to find meaningful employment without a driver's licence and ICBC and Haisla First Nation presented possible solutions.

During the working group session, the City of Terrace discussed ongoing issues relating to the affordability and accessibility of housing and directed a question to the District of Kitimat about how the Affordable Housing Fund is being used. The DOK responded that \$500,000 will be used on a project that will support the TSW and there is not yet a formal direction for the remaining funding. The DOK indicated there may be some changes to how the Housing Fund is distributed.

Trends identified by stakeholders for 2021 Q1 were discussed. No questions, actions or concerns were raised during the working group session. No additional Project mitigation measures were identified in the SMR meeting.

## 6.2. Community Health

The Project has taken the following actions regarding Community Health during 2021 Q1 to minimize direct impacts on local and regional health care services and to promote community cohesion:

- Full range of medical services provided at Project site and Cedar Valley Lodge
- Communication and Coordination with Kitimat General Hospital. Regular check-ins with Mills Memorial Hospital
- Workers at site receive training and must sign Workers Code of Conduct and complete Cultural Awareness Training
- Implementation of Health and Medical Services Management Plans, including a Mental Health program
- COVID-19 specific actions:
  - Continuous enhancement of COVID-19 protocols on site and at workforce accommodations

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- COVID-19 rapid screening program at charter hubs in Calgary, Edmonton, Vancouver, Nanaimo, Kelowna and at Cedar Valley Lodge in Kitimat
- Isolation wings in workforce accommodations
- Increased staffing of medical professionals and non-medical Personal Care Attendants
- On site COVID-19 swabbing for laboratory-based PCR testing
- Increased supplies of medical grade oxygen
- Policy restricting all non-local Project workers from leaving the site and other work areas

The Project strives to have no impact to regional healthcare services and infrastructure, except in cases of emergencies which cannot be predicted or avoided, such as cardiac arrest. Managing direct effects on community health also considers workforce activities and behaviours to promote healthy living and working environments, and community cohesion.

In 2021 Q1 the Project had eight occupational injuries and 13 non-occupational injuries requiring treatment in local hospitals. A total of nine notifications to health authorities for occurrence of communicable illnesses/diseases were recorded for 2021 Q1. The decrease in notifications to health authorities compared to 2020 Q4 is attributed to a reduced workforce size and fewer cases of COVID-19 at the Project site.

### 6.2.1. Trends and Qualitative Feedback

A summary of community health (including COVID-19) trends/qualitative feedback shared during interviews with some community service providers in 2021 Q1 is provided below:

- Front-line workers and first responder staff are facing COVID-19-related challenges in program/service delivery such as:
  - Increased shift vacancies due to staff being sick, being exhausted/overworked, experiencing COVID-19 fatigue, being in isolation due to exposure, etc.
  - Increased restrictions and safety protocols (e.g., use of PPE and physical distancing) and a decrease in program/service capacity
  - Increased safety protocols (e.g., disposable plastics, masks, hand sanitizer) have resulted in increased operational costs (KRS)
- In March/April, most front-line workers and first responder staff had the opportunity to be vaccinated with the COVID-19 vaccine
- Northern Health (NH) is providing immediate wrap-around support to COVID-19 outbreaks / clusters in industries

### 6.2.2. SMR Discussion

During the SMR discussion, the City of Terrace commented on the Community Grant Writing program, funded with support from LNG Canada, which has been successful in securing the community with over one million dollars in grant funding since the program began in 2020.

Trends identified by stakeholders for 2021 Q1 were discussed. No questions, actions or concerns were raised during the working group session. No additional Project mitigation measures were identified in the SMR meeting.



## 6.3. Traffic & Emergency Response

### 6.3.1. Traffic

The Project has implemented the following mitigation measures during 2021 Q1 to manage Project-direct effects on road and air traffic:

- Equipment and materials delivery by water where possible, minimizing truck volumes
- Non-local workers to primarily reside on site at Cedar Valley Lodge, minimizing offsite transfer of personnel
- Local residents are required to park their personal vehicles at specific Park 'n Ride locations in Kitimat, Kitimaat Village and Terrace and take shuttles to and from the worksite
- JFJV and LNGC continue to work with DOK to minimize local traffic impacts, including parking
- In Vehicle Monitoring System (IVMS) to promote safe driving behavior of workers
- Ongoing coordination with Northwest Regional Airport
- Use of chartered flights to minimize reliance on commercial flights, 14 charter flights per week as of mid-May and an expected increase during peak construction in 2022 of up to 21 charter flights per week

The Project discussed its Traffic Management Plan, which was developed in consultation with the DOK, MOTI, and submitted to the BC EAO to meet EAC Condition 16 and its Incident Management Plan. It addresses road traffic concentrated along Highway 37 (MOTI/DOK), Haisla Blvd (DOK) eight km from Haisla Village Road to Alcan Way and Harbour Road/Ocelot Way (DOK). The key hazards and risks that it explores are driver fatigue, extreme weather, and collision.

In 2021 Q1, the Project continued to limit its impact on roadway traffic volumes by transporting local and non-local workers by shuttle bus. In adherence to Provincial Health Officer Restart Orders and LNG Canada's restart plan, the number of workers present on site gradually increased over Q1 and this led to the number of workers being transported between Project construction sites and local Park 'n Ride lots in Kitimat and Terrace to gradually increase as well. In 2021 Q1, the number of traffic complaints regarding parking have decreased, likely due to the Park 'n Ride being moved to a different location.

The number of Project personnel on commercial and charter flights gradually increased over Q1 as well. Charter flights continued to operate in line with COVID-19 protocols and pre-departure rapid screening at existing charter hub airports in Vancouver, Kelowna, Nanaimo, Calgary, and Edmonton..

### 6.3.2. Emergency Response

The Project implemented the following mitigation measures to manage Project-direct effects on emergency response services during 2021 Q1:

- Site Emergency Response Plans in place, developed with inputs from KFAS
- JFJV leads primary emergency response at site. Resources include fire engine (1500 gpm pump with 750-gallon water tank with foam), medical response vehicle, fire fighters, paramedics (3), and advanced care paramedics (4)



- Safer Together Program to reinforce a safety mindset based on four pillars with a strong foundation of caring for people
- Workers are required to sign off on the Worker's Code of Conduct and complete Cultural Awareness Training
- Regular Project engagement with RCMP and First Responders
- Cedar Valley Lodge has contracted security personnel on-site

In 2021 Q1, the Project recorded eight incidents requiring ambulance service calls to site and two RCMP service calls. No fire department service calls to site or medical evacuations from site were required. Three meetings were held with external agencies to coordinate emergency response during 2021 Q1.

### 6.3.3. Trends and Qualitative Feedback

A summary of traffic & emergency response trends/qualitative feedback shared during interviews with some community service providers in 2021 Q1 is provided below:

- Increase of commercial truck traffic observed on Highway 37, likely due to the landslide damage to CN rail line between Terrace and Kitimat at the end of December 2020
- RCMP call volumes have returned to pre-COVID-19 levels in Kitimat. Lower call volumes may be attributed to reduced industrial activity, ongoing COVID-19 restrictions (e.g., no dine-in at restaurants and bars, restricted opening hours) and a pro-longed winter (Kitimat RCMP)
- RCMP call volumes have increased in Terrace due to increased traffic volumes and calls related to drug-use and mental health (Terrace RCMP)
- Fire and ambulance call volumes in Kitimat are beginning to return to what was observed pre-COVID-19 (KFAS)
- General increase in fires observed in Terrace (TFD)
- Increase in demand observed over the past quarter for emergency calls and transfers (critical and non-critical patients) by BCEHS (BCEHS)
- Staffing trends:
  - General high turnover rate observed for paramedic staff in the northern region (BCEHS)
  - KFAS has hired new staff (admin assistance, training officer) to reduce the pressure on current staff (KFAS)
  - Kitimat RCMP has added 4 additional officers in anticipation of economic activity projected in coming years (Kitimat RCMP)
  - Terrace BCEHS has added 24 hours' worth of ambulance coverage (two 12-hour shifts, one day and one night shift) and will add one advanced care paramedic (to facilitate higher level of care to critical patients in ambulances) (BCEHS)



### 6.3.4. SMR Discussion

During the working group session, a question was raised regarding mitigation measures implemented relating to the change in traffic now that some Project waste is being temporarily diverted to Princeton, BC. The Project responded that the Traffic Management Plan is currently being updated and will address any relevant changes. As a standard practice, efforts are taken to mitigate road safety risks by reviewing quality of equipment and driver routes/certifications. MOTI asked the Project to check-in with their carriers and commercial vehicles to ensure that they are not using engine brakes in residential areas and also provided an update about construction in the area, which will be posted on the DriveBC website.

During the session, WorkSafe BC provided an update on efforts being taken within BC to address the issue of emergency responders being struck by motor vehicles on the highway when responding to Motor Vehicle Incidents (MVIS). WorkSafe BC explained upcoming changes to regulations, currently anticipating a September 2021 regulation rollout, followed by an education phase. WorkSafe BC encouraged fire chiefs to reach out.

Trends identified by stakeholders for 2021 Q1 were discussed and TFD clarified that the increase in fires in Terrace was an anomaly and not due to anything specific. TFD also that the increase in ambulance staff has been greatly beneficial to Terrace and has made a positive impact to first responder calls. No questions, actions or concerns were raised during the working group session. No additional Project mitigation measures were identified in the SMR meeting.

## 6.4. Solid Waste Disposal Discussion

The Project team included a discussion on waste during the 2021 Q1 SMR meeting in light of observed trends regarding waste disposal and potential Project impacts. The Project has implemented or continued the following measures to manage Project-direct effects on regional landfills and recycling facilities in 2021 Q1:

- Dispose all hazardous waste and the majority of recycling materials at facilities outside the region.
- Secure short-term, controlled waste permits with maximum allowances to support disposal of Project non-hazardous solid waste at Forceman Ridge Waste Management Facility.
- Monitor volume of Project waste disposed at regional waste management facilities
- Monitor concerns or complaints regarding Project waste disposal. Three concerns or complaints were received in 2021 Q1 and followed up.

In Q1 2021, the LNG Canada Project became aware of a range of concerns from RDKS regarding waste disposal at Forceman Ridge. In March 2021, some Project waste streams were redirected from Forceman Ridge to alternative BC facilities outside of the region. Efforts are underway to assess potential strain on regional landfills, including simplified interfaces between the Project and RDKS, improved Project reporting of key waste streams including those that consume landfill space, development of a Project inventory of waste generators (controlled waste permit holders) and development of robust Project waste projections to support RDKS planning needs.



The Project provided a contextual update regarding solid waste at Cedar Valley Lodge. The solid waste coming from the wastewater treatment facility at Cedar Valley Lodge has presented some challenges and the Project is working on a long-term solution. In the short-term, sludge is being hauled to a facility in Princeton, BC. Within the lodge, COVID-19 protocols limiting occupancy in dining halls have presented a challenge for municipal solid waste. Residents are required to bring pre-portioned and pre-packaged food back to their rooms, which has generated take-out container/single-use waste. Waste segregation would normally be done in the dining room but has been an issue in residents' private rooms. The Project is implementing several initiatives, including worker education and adding waste segregation bins to rooms and common areas (e.g., hallways) to increase organics and waste segregation.

During the working group session, a question was raised about Project waste planning and forecasting efforts with RDKS. The Project responded that it is currently a work in progress but there is regular engagement between the Project and the RDKS and they are working on the forecast modeling that the RDKS needs to support the Forceman Ridge Waste Management Facility. A question was raised about the increase in solid waste from February to March and how it relates to workforce numbers and construction activities during this period. The Project explained that there was a workforce ramp down in January 2021 and a gradual increase from early February to the end of March.

The SMR identified a number of suggestions to help assess potential impacts on regional landfills resulting from Project solid waste disposal (see Section 7, Table 3).

## **7. SMR Summary and Actions**

Participants representing 32 service organizations, First Nations, municipal and provincial government entities joined the meetings to review Project data, ask questions and provide feedback and insights. Table 3 summarizes action items for the LNG Canada Project team and SMR participants that were addressed in the last quarterly reporting cycle and are now closed out, those that remain open, and new items identified during meeting that took place May 4, 2021. Items identified as closed will be removed from the tracking table and will be summarized in the annual 2021 CLISMP report.

Due to the COVID-19 pandemic, there may be need for some flexibility with the timelines required to progress actions and follow up on discussion items, as the resources of many stakeholders, communities, First Nations and government agencies are collectively allocated to the COVID-19 response.



**Table 3 Status Update on SMR Working Group Action Items**

#	Working Group	Responsible Party	Action	Status
2020-Q3-1	-	LNG Canada Project Team	Follow up with Kermodé Friendship Centre on Indigenous apprenticeship efforts and linkages to youth workforce development programs	<b>Closed 04/27/21.</b> Meetings held on March 8 and 11, 2021.
2020-Q4-1	-	LNG Canada Project Team	Follow up with Kitimat and Terrace Chambers of Commerce to provide additional information on local business participation in Project supply chain	<b>Closed 04/27/21.</b> Meeting held on April 7, 2021.
2020-Q2-1	Housing & Accommodations	LNG Canada Project Team	Incorporate available data on demand for social housing services which do not use BC Housing Applicant registry	<b>Open 04/27/21.</b> Efforts underway to evaluate available data from other housing organizations in the Terrace/Kitimat area.
2020-Q3-4	Housing & Accommodations	LNG Canada Project Team	Follow up with TSW, Kitimat CDC and Ksan Society for data illustrating housing affordability gap for clientele. TSW to share rental subsidy demand data for BC Housing Homelessness Prevention Program	<b>Open 04/27/21.</b> TSW has shared data from HPP survey. Efforts underway to secure data from BC Housing, Kitimat CDC, and Ksan Society. Information on core housing need can also be derived from Census data and CMHC information on average shelter cost.
2020-Q3-5	Housing & Accommodations	Ministry of Child & Family Development	Working with LNG Canada, convene childcare service providers, Ministry of Advanced Education and Skills Training, Coast Mountain College to assess key drivers of childcare staffing shortages, awareness of available supports, and ways to support skills development	<b>Closed 04/27/21.</b> Facilitated discussion hosted by LNG Canada and MCFD on March 3, 2021 to discuss regional childcare challenges. As a next step, LNG Canada has offered to support Q2 2021 capacity building for childcare staff in the Kitimat and Terrace area.
2020-Q4-2	Housing & Accommodations	District of Kitimat	Provide available information on Kitimat Cost of Living / Living Wage	<b>Open 04/27/21.</b> DoK does not have specific information available on cost of living/living wage. LNG Canada Project team will look at BC Cost of Living Calculator and bring back



**Table 3 Status Update on SMR Working Group Action Items**

#	Working Group	Responsible Party	Action	Status
				information at a future SMR meeting.
2020-Q4-3	Housing & Accommodations	LNG Canada Project Team	Consider broadening number of Kitimat childcare providers included in community monitoring	<b>Closed 04/27/21.</b> LNG Canada Project team will request data from addition to childcare providers in the Kitimat and Terrace area for future reporting periods.
2019-Q3-17	Community Health	Northern Health	Consider providing data from mobile unit service to support SMR monitoring needs	<b>Open 04/27/21.</b> NHA following up on data request.
2020-Q2-6	Community Health	Northern Health	Consider providing Intensive Crisis Management Team data to assess changes in service demand	<b>Open 04/27/21.</b> NHA following up on data request.
2020-Q3-6	Community Health	Northern Health	Provide clarification of health information flow to First Nations communities, including COVID-19 notifications protocols	<b>Open 04/27/21.</b> NHA following up.
2020-Q4-4	Community Health	Northern Health	Follow up on secondary transmission and epidemiological data for Q42020 LNG Canada site outbreaks	<b>Closed 04/27/21.</b> NH response provided below.
2020-Q4-5	Community Health	Northern Health	Follow up with Kitsumkalum Health Director on case and contact management capacity building engagements	<b>Open 04/27/21.</b> NHA following up.
2020-Q4-6	Community Health	LNG Canada Project Team	Consider applying a rate perspective to CLISMP data that considers population (incidence and prevalence) <a href="https://www.mdpi.com/2075-163X/11/1/30">https://www.mdpi.com/2075-163X/11/1/30</a>	<b>Open 04/27/21.</b> Pending analysis of feedback survey findings on CLISMP monitoring metrics.
2019-Q2-5	Traffic & Emergency Response	DOK (District of Kitimat) Engineering Services	Re-opened action from Q2. Recommendation to DOK to assess need for traffic light at Nalabila/Hwy 37 intersection	<b>Closed 04/27/21.</b> The DOK traffic study has been completed spring 2021. The document will be used to prioritize infrastructure improvements and validate project traffic projections. Any



**Table 3 Status Update on SMR Working Group Action Items**

#	Working Group	Responsible Party	Action	Status
				priority infrastructure improvements will be communicated to District of Kitimat Mayor & Council during the 2022 Budget deliberation.
2020-Q2-9	Traffic & Emergency Response	LNG Canada Project Team	Confirm if Traffic Impact Assessment (TIA) can be distributed to Working Group participants	<b>Closed 04/27/21.</b> Most recent Traffic Management Plan (including TIA) was submitted to BC EAO in February 2021 but has not been posted to BC EPIC site. LNG Canada Project team has emailed the plan to Working Group members. An overview of the TIA will be presented at the May 4 SMR.
2020-Q4-7	Traffic & Emergency Response	LNG Canada Project Team	Address issue of workers (traveling via charter hangar) entering main airport terminal despite COVID-19 restrictions.	<b>Closed 04/27/21.</b> A site bulletin was issued in February to remind workers that they cannot go into the main airport and must stay in the charter terminal. The bulletin also restated that everyone must take the shuttle buses (no private rides to the airport), wear masks and continue to social distance. JFJV will be notified of any individuals who do not comply. The message was also conveyed to the airport restaurant that NW Regional Airport COVID-19 protocols do not allow restaurant service to people who do not have issued tickets to travel out of the commercial terminal.
2020-Q4-8	Traffic & Emergency Response	LNG Canada Project Team	Share details from Traffic Incident Management Plan and Public Information Plan at the next SMR meeting	<b>Closed 04/27/21.</b> Information was presented by LNG Canada Project team at May 4th SMR.
2020-Q4-9	Traffic & Emergency Response	WorkSafe BC	Provide an update at an upcoming SMR session on changes to emergency scene management	<b>Closed 04/23/21.</b> Information was presented by WorkSafe BC at May 4th SMR.
2020-	Traffic &	MOTI	Provide most recent short	<b>Open 04/27/21.</b> Available



**Table 3 Status Update on SMR Working Group Action Items**

#	Working Group	Responsible Party	Action	Status
Q4-10	Emergency Response		count data, as applicable	information will be collected and presented in Q2 2021 report.
2020-Q4-11	Traffic & Emergency Response	RCMP	Share Kitimat Resources for mental health training and supports for distribution to SMR participants	<b>Closed 04/27/21.</b> Resource guide emailed to SMR participants by LNG Canada Project team.
2020-Q4-12	Traffic & Emergency Response	LNG Canada Project Team	Follow up to collect available overdose response call data from ambulance services in Kitimat and Terrace	<b>Open 04/27/21.</b> Available information will be collected and presented in Q2 2021 report.
2019-Q4-14	Community Amenities, Utilities and Education	LNG Canada Project Team	Support City of Terrace in development of municipal capacity metrics	<b>Closed 04/27/21.</b> Several discussions held 2020-21. City of Terrace will follow up with any recommended indicators.
2020-Q4-13	Community Amenities, Utilities and Education	LNG Canada Project Team	Provide links to Terrace Shadow Population studies 2015 and 2020	<b>Closed 04/27/21.</b> Links to Terrace Population studies emailed to SMR participants by LNG Canada Project team.
2020-Q4-14	Community Amenities, Utilities and Education	LNG Canada Project Team	Consider ways to improve education of site workforce and CVL residents on compliance requirements for waste segregation e.g. during site orientation	<b>Closed 04/27/21.</b> Project directives have been shared with contractors and workers on how to properly handle and dispose of waste. Ongoing efforts to educate the workforce will continue.
2020-Q4-15	Community Amenities, Utilities and Education	LNG Canada Project Team	Follow up with Forceman Ridge (RDKS) to verify values reported in SMR Pre-read for Q3-Q4 2020 waste volumes received from LNG Canada Project	<b>Open 04/27/21.</b> Project team has followed up with RDKS to seek confirmation on how data has been interpreted.
2020-Q4-16	Community Amenities, Utilities and Education	LNG Canada Project Team	Follow up with Forceman Ridge (RDKS) to confirm all known controlled waste permits directly associated the LNG Canada Project	<b>Open 04/27/21.</b> Efforts underway to consolidate inventory of waste generators and permits associated with LNG Canada Project.
2020-Q4-17	Community Amenities, Utilities and Education	LNG Canada Project Team	Follow up with KVES to share information on operational standards and accreditations to support KVES 5-year and 10-year plans	<b>Closed 04/27/21.</b> Being addressed through ongoing discussions with KVES.



**Table 3 Status Update on SMR Working Group Action Items**

#	Working Group	Responsible Party	Action	Status
2021-Q1-1	Community Amenities, Utilities and Education	LNG Canada Project Team	Provide a summary of the Project plan for waste disposal	<b>NEW 05/04/21</b>
2021-Q1-2	Community Amenities, Utilities and Education	LNG Canada Project Team	Provide an overview of where recyclables are being disposed	<b>NEW 05/04/21</b>
2021-Q1-3	Community Amenities, Utilities and Education	LNG Canada Project Team	Include in Project waste reporting, volume of solid waste streams redirected to other BC facilities	<b>NEW 05/04/21</b>

**2020-Q4-4 Secondary transmission and epidemiological data for Q42020 LNG Canada site outbreaks:**

NH only collects surveillance data relevant to the management of non-outbreak associated COVID-19 cases. In the event of a cluster or outbreak, additional data may be collected to help prevent further transmission. NH only releases summative information on clusters and outbreaks publicly and only includes those details that will be helpful in the management of clusters and outbreaks. In particular, directionality of transmission is rarely relevant to the management of a cluster or outbreak and unlikely to be released publicly for privacy reasons of all persons involved.

**7.1. Next SMR Meeting**

The next SMR meeting is planned to take place on August 10–11, 2021 (virtually) for the comprehensive Q1–Q2 2021 monitoring period.

Dates for all planned SMR sessions taking place in 2021 are indicated below:

- August 10–11 (virtual)
- November 24 (virtual)



## 8. References

- Bossence, T. 2021. Personal Communications. Kitimat Fire and Ambulance Services [KFAS] Q1 Trends.
- Fathi, M., Olynick, J., and Zirul, C. 2021. Personal Communications. Northern Health Q1 Trends.
- Jephson, D. 2021. Personal Communications. Terrace Fire Dept Q1 Trends.
- Maitland, A. 2021. Personal Communications. Haisla Daycare Q1 Trends.
- Martins, M. 2021. Personal Communications. Tamitik Status of Women [TSW] Dunmore Place Q1 Trends.
- McFee, S. 2021. Personal Communications. Ksan Society Residence and Shelter [KRS] Q1 Trends.
- Morgan, G. 2021. Personal Communications. Kitimat RCMP Q1 Trends.
- Robinson, M. 2021. Personal Communications. Terrace RCMP Q1 Trends.
- Trumbley, D. 2021. Personal Communications. Terrace BC Emergency Health Services [BCEHS] Q1 Trends.
- Walker, T. 2021. Personal Communications. Ksan Society Transition House [TH] Q1 Trends.



## Appendix A 2021 Q1 SMR PARTICIPANTS

Community	Organization	Attendees
Project Team	LNGC	Nina Arvanitidis (Social Performance), Trevor Feduniak (Construction), Hope Regimbald (Indigenous Relations), Morganne von Schleinitz (External Relations), Stephanie Mah (Health), Morag Volek (Logistics), Johnna van Keuren (HSSE), Rob Simpson (HSSE), Shalin Kashyap (HSSE), Courtney Nolan (Real Estate), Pamela Staples (Waste Management), Tariro Mpoperi (HR), Christopher Heard (Indigenous Relations), Lucy Day (Indigenous Relations), Deanne Burnie (Commercial Advisor)
	JFJV	Daria Hasselmann (Community Impacts), Berni Molz (Construction), Jay Simpson (HSSE), Dennis Earman (HSSE), Dean Aikenhead (Waste Management), Ryan Franke (Indigenous Relations), Lori Janson (Communications)
	Support	Frank Bohliken (Stantec), Tala Al-Obaidi (Stantec), Megan Macdonald (Stantec)
Indigenous Groups	Haisla	Crystal Smith, Kailee Gardiner, Lucille Harms
	Gitga'at	Christa Meuter
	Kitselas	Janis Shandro
	Metlakatla	Anna Osborne
Kitimat	District of Kitimat	Angie Lucas, Warren Waycheshen, Alex Ramos-Espinoza, Mike Dewar
	Kitimat Chamber of Commerce	Laurel D'Andrea
	Kitimat RCMP	Eric Black
	Tamitik Status of Women	Michelle Martins
	Kitimat Community Development Centre	Marianne Hemmy
	Kitamaat Valley Education Society	Carrie Mckay, Jennifer Lewis
Terrace	City of Terrace	David Block, Deklan Corstanje
	Terrace RCMP	Michael Robinson
	Terrace Fire Department	Dave Jephson
	Ksan Housing Society	Amanda Owens, Lisa Schmidt, Elaine McGillivray
	Terrace Chamber of Commerce	Michelle Taylor
	Terrace and District Community Services Society	Julie San Juan
	Northwest Regional Airport—	Dave Kumpolt

Joint venture companies



Community	Organization	Attendees
	YXT	
Province of BC	LNG Canada Implementation Secretariat	Sarah Saaed, Joe Masi
	Northern Health	Yaheli Klein, Raina Fumerton, Chelan Zirul
	Municipal Affairs & Housing	Kris Nichols, John Antill, Jyoti Upadhyaya, Brynn Warren, Ron Burleson, Andrew Lis
	Attorney General & Housing	Cimarron Corpe
	WorkSafeBC	Lawrence Joice
	ICBC	Doug MacDonald
	MOTI	Daniel Baker, Nathan Voogd
	RCMP	Robert Pikola
	Ministry of Public Safety and Solicitor General	Brian Sims
	BC Emergency Health Services	Deb Trumbley
	Social Development and Poverty Reduction	Jennifer Miller
	Jobs, Economic Development and Competitiveness	Martin Stegman
	Ministry of Health	Jonathan Robinson
Ministry of Environment	Karen Moores	
Children & Family Development	Michelle Kirby	



## Appendix B PROJECT REPORTING 2021 Q1

**Table 1 LNG Canada Project Metrics—Housing & Accommodations**

Housing & Accommodations (also Education, Amenities)	December	January	February	March
Project local (resident) workforce	640	345	437	592
Project non-local workforce—temporarily housed at Cedar Valley Lodge <sup>2</sup> (average beds)	1,226	714	1,211	1,882
Project non-local workforce temporarily housed at Kitimat Open Lodges (average beds)	0	0	0	0
Project non-local workforce temporarily staying at Kitimat hotels or lodges (average beds)	0	0	0	0
Project non-local workforce temporarily staying at Terrace hotels or lodges (average beds)	0	0	0	0
Project staff re-located to Kitimat, presently staying in company provided housing	51	37	39	56
Accompanying school-aged children of relocated Project staff	19	19	24	27 <sup>3</sup>
Number of housing related concerns or complaints	0	0	0	0

SOURCES: CIMP Reports (JFJV); LNGC-reported CLISMP data

<sup>2</sup> Includes construction workforce staying at Cedar Valley Lodge during their 14-day work rotation and small subset (15 or fewer) of visitors staying at Haisla Town Centre on a temporary basis.

<sup>3</sup> During Q4 2020, a peak of 28 accompanying children was reported. Between November 2020 – March 2021, this number decreased and subsequently returned to similar levels due to COVID-19 restrictions.



**Table 2 LNG Canada Project Metrics—Traffic**

Traffic	December	January	February	March
Number of daily Project bus trips from Northwest Regional Airport (YXT) to Kitimat (avg. passengers / day)	7 (23)	6 (18)	5 (18)	3 (20)
Number of daily Project bus trips from Terrace Park & Ride to Kitimat (avg. passengers / day)	22 (88)	8 (25)	8 (38)	10 (77)
Number of daily Project bus trips from Kitimat and Kitimaat Village Park & Ride to Site (avg. passengers / day)	Not available	42 (48)	45 (73)	41 (116)
Number of road transport-related incidents and near misses	5	1	7	9
Number of Project personnel on commercial flights through airport per month	755	446	595	648
Number of Project personnel on charter flights	1,848	799	1,938	3,697 <sup>4</sup>
Provision of project transportation plans to transportation authorities	1	0	0	0
Notifications to service providers and the public regarding scheduling of transportation equipment	0	0	0	0
Number of meeting with transportation authorities on traffic management, congestion and road safety	1	0	1	1
Number of traffic related concerns or complaints	1	0	1	1

SOURCES: CIMP Reports (JFJV); LNGC-reported CLISMP data

<sup>4</sup> Higher number indicated for charter flight activity in March 2021 reflects increase in workforce as compared with reduced site workforce in January and February due to Public Health Order.



**Table 3 LNG Canada Project Metrics—Emergency Response & Health**

Emergency Response & Health <sup>5</sup>	Q4 2020	January	February	March
Number of ambulance service calls to site	16 <sup>6</sup>	8		
Number of fire department service calls to site	0	0		
Number of RCMP service calls to site	3	2		
Number of meetings held to coordinate and plan emergency response	6	0	1	2
Number of emergency response related concerns or complaints	0	0	0	0
Number of workplace occupational injuries and illnesses requiring treatment at local hospitals	13	8		
Number of workplace non-occupational injuries and illnesses requiring treatment at local hospitals	31	23		
Number of workplace injuries or illnesses requiring medevac	0	0		
Number of recordable occupational injuries	3	7		
Number of recordable non-occupational visits to on-site medical clinics	3,618	1,390 <sup>7</sup>		
Number of notifications to health authorities for occurrence of communicable illnesses/diseases	189 <sup>8</sup>	9 <sup>9</sup>		
Percentage of worked who have signed the Worker Code of Conduct	100%	100%	100%	100%
Percentage of workers who have completed Cultural Awareness Training <sup>10</sup>	100%	100%	100%	100%
Number of community health related concerns or complaints	4	0	1	0

SOURCES: CIMP Reports (JFJV); LNGC-reported CLISMP data

<sup>5</sup> Health & Emergency Response metrics are compiled from two sources: JFJV site (including Cedar Valley Lodge) and LNGC (contractors delivering Company Provided Items)

<sup>6</sup> Higher number of ambulance calls Q4 2020 primarily attributed to larger workforce size and related medical conditions (cardiac, diabetes, epilepsy).

<sup>7</sup> Decrease in non-occupational visits to on-site medical clinics primarily attributed to reduced workforce size during Q1 2021.

<sup>8</sup> Notifications to health authorities (Northern Health) during 2020 Q4 primarily related to COVID-19 management.

<sup>9</sup> Decrease in notifications to health authorities attributed to reduced workforce size and fewer cases of COVID-19 at the Project site during Q1 2021.

<sup>10</sup> Cultural Awareness Training can be completed within 30 days of attending Orientation. In order to teach in a meaningful way JFJV has capped the class size at 30 people. A process is in place to ensure all workers complete this training.



**Table 4 LNG Canada Project Metrics—Utilities**

- Total Project waste comes from construction activities and workforce accommodations.
- Project waste disposal requires short-term, controlled waste permits with maximum allowances issued by waste receiving facilities.
- Waste is disposed at Forceman Ridge Waste Management Facility in RDKS and at approved facilities outside of the Region. No Project waste is disposed at either Kitimat or Terrace landfill.
- Recycling materials are sent to specific recycling facilities.

Utilities (all waste values in metric tonnes)	December	January	February	March
Total Project-generated Waste Solids <sup>11</sup>	Not available	211	383	1,321 <sup>12</sup>
Recycled Material disposed	Not available	37	150	429
# of municipal utility related concerns or complaints	0	2 <sup>13</sup>	0	1 <sup>14</sup>
<b>CEDAR VALLEY LODGE WASTE AND WATER TREATMENT</b>				
Solid Waste generated at Cedar Valley Lodge <sup>15</sup>	Not available	83	76	608
Influent and effluent flow rates from Cedar Valley Lodge wastewater treatment system (m3 / day)	9,535 / 14,723	4,074 / 7,944	5,951 / 8,637	9,120 / 11,350
<b>NON-HAZARDOUS SOLIDS DISPOSED AT FORCEMAN RIDGE WASTE MANAGEMENT FACILITY, RDKS</b>				
Total non-hazardous solids sent to Forceman Ridge	489	169	230	401
Total non-hazardous solids sent to landfill / air space consuming at Forceman Ridge	Not available	124	188	277

<sup>11</sup> Total Project-generated waste solids may be under-represented. Efforts ongoing to capture all contractor data.

<sup>12</sup> Significant increase in total waste during March is primarily attributed to increase in workforce compared with January and February.

<sup>13</sup> Two formal complaints received in January 2021 from RDKS pertaining to improper segregation of MSW disposed at Forceman Ridge Waste Management Facility. The Project explained in light of COVID-19 restrictions, a key challenge with on-site MSW segregation has been the shift to meals consumed in rooms rather than dining halls at CVL. Ongoing discussion and related efforts since January 2021 to address several concerns raised by RDKS including improvement of MSW segregation, simplification of project interfaces, request for inventory of Project waste generators and waste projections.

<sup>14</sup> One formal complaint received from RDKS March 29 citing concerns regarding volume of out of service area waste disposal attributed to the Project. The Project is working with RDKS to provide adequate waste projections to enable longer term modeling and decision making regarding ongoing disposal of Project waste streams.

<sup>15</sup> Solid waste generated at Cedar Valley Lodge includes organics, sludge cake, MSW and recyclables.

Joint venture companies



Utilities (all waste values in metric tonnes)	December	January	February	March
<b>BREAKDOWN OF NON-HAZARDOUS SOLIDS DISPOSED AT FORCEMAN RIDGE<sup>16</sup></b>				
Construction & demolition (C&D) waste sent to landfill at Forceman Ridge	Not available	65	106	130
Municipal solid waste (MSW) sent to landfill at Forceman Ridge	Not available	27	39	53
Sludge cake sent to landfill at Forceman Ridge	Not available	18	22	44
Treated wood sent to landfill at Forceman Ridge	Not available	14	21	50
Clean wood sent to Forceman Ridge	Not available	27	31	104
Organics sent to Forceman Ridge	Not available	12	11	18
Soil cover sent to Forceman Ridge	Not available	0	0	0
<b>WASTE DISPOSED AT APPROVED FACILITIES OUTSIDE OF THE REGION</b>				
Non-hazardous solids disposal to approved facilities outside of region	Not available	1	0.03	488
Hazardous waste <sup>17</sup> disposal to approved facilities outside of region	Not available	4	22	16

SOURCES: CIMP Reports (JFJV); LNGC-reported CLISMP data

<sup>16</sup> During Q1 the Project disposed several waste streams at Forceman Ridge Waste Management Facility in RDKS. All sludge cake and the majority of MSW from the Project site & Cedar Valley Lodge was redirected from Forceman Ridge to facilities outside the Regional District by mid-March 2021. C&D wood, organics, soils and some MSW continue to be received by Forceman Ridge.

<sup>17</sup> No facilities in the Kitimat-Terrace area are currently approved to receive hazardous materials. All hazardous solids and liquids are currently disposed outside the region.