

## ENVIRONMENTAL PROTECTION NOTICE

### Application for a Permit under the Provisions of the *Environmental Management Act*

We, LNG Canada Development Inc., 400 4th Avenue SW Calgary, AB, T2P 0J4, intend to submit this application to the Director to authorize the discharge of effluent from the LNG Canada liquified natural gas facility. The sources of effluent include surface water runoff, blowdown and overflow from cooling towers and trim coolers, reject brine from a demineralized water package, and effluent from a treatment plant (sanitary wastewater, hydrocarbon-contaminated drainage and washwater from maintenance activities).

The land upon which the facility is situated and effluent will originate is Lot A District Lots 187 and 6050 Plan EPP6734 7, Lot B District Lot 6004 Plan EPP79160, Lot A District Lot 187 Plan EPP92698, The West 1/2 of District Lot 6003, Lot 1 District Lot 6003 Plan EPP94745, Lot 1 District Lot 186 Plan EPP94746, Lot 2 District Lot 6002 Plan EPP79161, District Lot 8156, Lot 1 District Lot 73 Plan EPP94747, Lot 3 District Lot 6001 Plan EPP79161, Lot A District Lot 94 Plan EPP92697, and Lot 1 District Lots 981, 5469 and 7940 Plan 12731, Range 5 Coast District, near Kitimat, British Columbia, within the traditional territory of Haisla Nation. The discharge will occur to Kitimat Arm in District Lot 981 Except Block A, Range 5 Coast District.

The effluent discharge from the LNG Canada facility will be intermittent and manually operated. The effluent discharge rate will range from 2,000 to 6,000 cubic metres per hour. The frequency and duration of effluent discharge will vary depending on climatic and operational conditions. The types of treatment to be applied to sanitary wastewater and any hydrocarbon-contaminated drainage and washwater include primary (oily water separation using corrugated plate interceptors), secondary (conventional activated sludge bioreactors and clarifiers) and tertiary (multimedia filters) treatment. The characteristics of the effluent discharge are as follows:

Parameter	Maximum Concentration	Units
pH	5.4- 8.7	
Temperature	23	°C
Total Suspended Solids	75	mg/L
Total Ammonia	10	mg/L
Total Phosphorous	2	mg/L
BOD <sub>5</sub>	45	mg/L
COD	100	Mg/L
Total Hydrocarbons	10	Mg/L
Total Coliform Bacteria	40	MPN/100 mL
Total Residual Chlorine	0.03	Mg/L

Any person may review a printed copy of the application at the Kitimat Public Library, or request an electronic copy of the application materials by emailing the applicant ([comments@jfjvkitimat.com](mailto:comments@jfjvkitimat.com)). Any person who may be adversely affected by the proposed effluent discharge and wishes to provide relevant information may, within 30 days after the last date of posting, publishing, service or display, submit written comments at the JFJV Project Resource Centre at 234 City Centre, Kitimat, with a copy to Supervisor, Environmental Stewardship, BC Energy Regulator at 6534 100 Ave, Fort St. John BC, V1J 8C5. Comments may also be submitted by email to the applicant ([comments@jfjvkitimat.com](mailto:comments@jfjvkitimat.com)), with a copy to the BC Energy Regulator ([waste.management@bc-er.ca](mailto:waste.management@bc-er.ca)). The identity of any respondents and the contents of anything submitted in relation to this application will become part of the public record.

Dated this 18th day of May, 2023.

signed



Contact person: Jason Pope  
 Email address: [Jason.Pope@lngcanada.ca](mailto:Jason.Pope@lngcanada.ca)  
 Phone: (250) 643-7439