IN THE MATTER OF THE *ENVIRONMENTAL ASSESSMENT ACT* S.B.C. 2002, c.43 (ACT)

AND

IN THE MATTER OF
ENVIRONMENTAL ASSESSMENT CERTIFICATE #E15-02
HELD BY WOODFIBRE LNG LIMITED

FOR THE
WOODFIBRE LNG PROJECT

AMENDMENT #1 (AMENDMENT)
TO CERTIFICATE #E15-02

WHEREAS:

A. On October 26, 2015, the Minister of Environment, and the Minister of Natural Gas Development issued Environmental Assessment Certificate #E15-02 (Certificate) to Woodfibre LNG Limited.

B. The Certificate authorized Woodfibre LNG Limited to construct and operate a liquefied natural gas (LNG) export facility approximately seven km west-southwest of Squamish, British Columbia.

C. On January 27, 2017, Woodfibre LNG Limited requested the following changes under Section 19(1) of the Act:

   a. Change the cooling technology from seawater cooling to air cooling;

   b. Use the existing Mill Creek intake, including screenhouse, flume, and penstock, as an alternative to constructing a new intake for water withdrawals; and

   c. Withdraw water from Woodfibre Creek for short-term needs during construction.

D. On July 12, 2017 the Executive Director of the Environmental Assessment Office (EAO) consented to the amendment under Section 19(3) of the Act, including the addition of the following:

   a. New Mill Creek intake withdrawal location be included in the Certified Project Description's Certified Project Area, as per Figure 1 of the Certified Project Description; and

   b. Environmental Management Plan requirements related to Mill Creek as outlined in Section 13.2 of the Application be extended to apply to Woodfibre Creek, to prevent adverse effects to fish and fish habitat, as per Condition 21 of the Table of Conditions.

E. Pursuant to section 4 of the Act, the Executive Director has delegated to the undersigned, powers and duties under the Act, including the power to consider requests for certificate amendments.

NOW THEREFORE,

I amend the Certificate as follows:

1. The following text in Section 2.0, LNG Facility and Supporting Infrastructure, of the Certified Project Description (Schedule A):

   The seawater cooling system, including an intake and diffuser with a maximum diversion rate of 17,000m^3/h is located within the Certified Project Area (Figure 1).

   is rescinded and replaced with:

   The air cooling system, with air-cooled heat exchangers mounted above the liquefaction trains, is located within the Certified Project Area (Figure 1).

2. Figure 1 in the Certified Project Description is rescinded and replaced with Figure 1 attached as Appendix A of this amendment.

3. Condition 5, Instream Flow Requirement, of the Table of Conditions (Schedule B), is rescinded and replaced with:

   Instream Flow Requirements

   The Holder must require a Qualified Professional to prepare an instream flow requirements (IFR) report for Mill Creek and Woodfibre Creek, in consultation with FLNR and OGC. The IFR report must be completed at least 60 days prior to the commencement of Construction. The IFR report must include:

   - An interim IFR regime and a procedure for establishing a long-term IFR regime for Mill Creek;
   - An IFR regime for Woodfibre Creek for the duration of anticipated water withdrawal for Woodfibre Creek;
   - A record of the data utilized to support the IFR regimes for Mill Creek and Woodfibre Creek;
   - Monitoring locations, methods and procedures for the IFR regimes for Mill Creek and Woodfibre Creek;
   - The content and frequency for monitoring reports on the implementation of the IFR program and a list of the agencies, including, but not limited to, FLNR, OGC and Aboriginal Groups, that will receive copies of the reports; and

- The process by which the Holder can revise the IFR, including any consultation with OGC, FLNR and EAO that would occur in connection with any such revisions.

The Holder must monitor and report on instream flow in Mill Creek during Construction and Operations phases of the Project provided that water withdrawals continue. The Holder must also monitor and report on instream flow in Woodfibre Creek during the Construction phase or, if water withdrawals from Woodfibre Creek extend beyond the Construction period, for the duration of water withdrawal from Woodfibre Creek. Monitoring and reporting for both Creeks must be done in accordance with the IFR report for Mill Creek and Woodfibre Creek required by this condition. The Holder must obtain approval from the EAO for the IFR report prior to implementing the IFR regimes.

The Holder must provide a copy of the IFR report to Aboriginal Groups within seven days of the report being approved by the EAO.

4. Condition 7, Marine Water Quality – Operations, of the Table of Conditions (Schedule B), is rescinded.

5. The following text in Condition 8, Marine Fish and Fish Habitat, of the Table of Conditions (Schedule B), is rescinded and replaced with:

Marine Fish and Fish Habitat

The Holder must develop, in consultation with DFO and Aboriginal Groups, a marine fish and fish habitat management and monitoring plan that must include at a minimum:

- The means by which the mitigation measures in the Application (Section 22, Table 22-1) and the recommendations in the Herring Survey Summary Report, section 4.0 (May 2015) will be implemented;
- Identification of reduced risk work windows and the work that will occur within these windows;
- Identification of any work that will occur outside of the reduced risk work windows, and measures to mitigate impacts to fish and fish habitat; and
- An adaptive management plan to address the effects of the Project on fish and fish habitat in the event (i) those effects on fish and fish habitat are not mitigated to the extent identified in the Application, or (ii) effects on fish and fish habitat occur that were not predicted in the Application.

A Qualified Professional must develop the plan and supervise the implementation of the plan. The Holder must provide the plan to EAO, DFO, OGC and Aboriginal Groups 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.

6. The following text is added to Condition 12, Wildlife – Operations, of the Table of Conditions (Schedule B), at the end of the existing bulleted list:

   - Include a monitoring and follow-up program with respect to impacts to wildlife associated with the air cooling system.

7. Condition 21, Environmental Management Plans, of the Table of Conditions (Schedule B), is rescinded and replaced with:

   The Holder must develop, in consultation with FLNR, OGC and Aboriginal Groups, a construction environmental management plan and an operations environmental management plan in accordance with section 13.2 of the Application. All requirements pertaining to Mill Creek in section 13.2 of the Application must also be applied to Woodfibre Creek.

   A Qualified Professional must develop the plan and supervise the implementation of the plan. The Holder must provide the construction environmental management plan to EAO, FLNR, OGC and Aboriginal Groups no less than 30 days prior to the Holder's planned date to commence Construction. The Holder must provide the operation environmental management plan to EAO, FLNR, OGC and Aboriginal Groups no less than 60 days prior to the Holder's planned date to commence Operations. The Holder must develop and implement the plans to the satisfaction of EAO.

Kevin Jardine
Executive Director
Environmental Assessment Office

Issued this 12th day of July, 2017

APPENDIX A
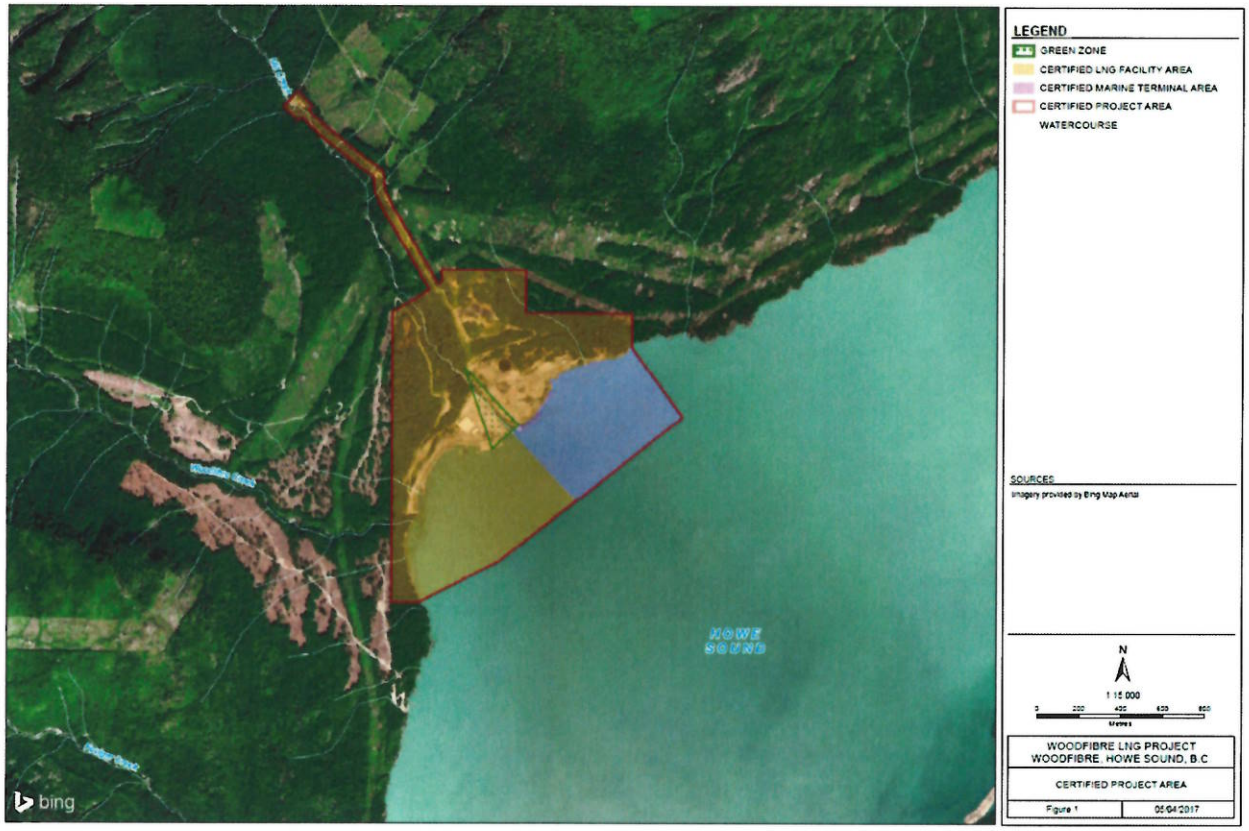
Figure 1: Certified Project Area