

Environmental Assessment Certificate Application

LNG Canada Export Terminal

Section 21 – Summary of Follow-up Programs and Compliance Reporting

October 2014



LNG CANADA
Opportunity for British Columbia. Energy for the world

Joint venture companies



21 SUMMARY OF FOLLOW-UP PROGRAMS AND COMPLIANCE REPORTING

Under CEAA 2012, a follow-up program is defined as a program for “verifying the accuracy of the environmental assessment of a designated project” and “determining the effectiveness of any mitigation measures.” In contrast, compliance monitoring verifies the implementation of mitigation measures. The follow-up programs to be designed for the Project are outlined in this section, along with compliance monitoring and reporting, based on the VCs identified in the Application.

LNG Canada will comply with commitments made in the Application, and terms and conditions of permits, licences, and authorizations for the Project. Qualified professionals will oversee construction activities, where appropriate, to facilitate compliance with environmental requirements. As Project development progresses, compliance monitoring procedures can be amended as needed to update protocols and management plans.

Key concerns raised by Aboriginal Groups, the public, and other stakeholders before submission of the Application are addressed in the requirements outlined in this section. Additional follow-up programs may be identified through consultation and engagement during Application Review.

Each follow-up program will:

- verify predictions of environmental effects, as well as residual effects that could not be addressed within the context of the environmental assessment
- determine the effectiveness of mitigation measures for environmental effects in order to modify or implement new measures where required
- support the implementation of measures to address previously unanticipated adverse environmental effects or unanticipated adverse effects on Aboriginal rights
- verify measures identified to prevent and mitigate potential adverse effects of the Project on potential or established Aboriginal rights, and
- provide information that can be used to improve and support future environmental assessments.

21.1 Roles and Responsibilities

An environmental management team will be assembled for each phase of the Project, which might include project engineers, environmental compliance monitors, and other environmental professionals. The role of this team is to confirm that the Project is constructed, operated, and decommissioned according to the environmental management plans (see Section 12) and complies with the required regulatory permits and licences.

21.2 Follow-up Programs and Compliance Reporting

Table 21.2-1 summarizes any recommended follow-up programs for the VCs in this environmental assessment. In addition to follow-up programs, LNG Canada will undertake compliance monitoring and reporting for the Project under its Environmental Management Program and Plans. These will include conditions of various permits, authorizations, and conditions included as part of the Application. Table 21.2-2 lists compliance monitoring and reporting requirements for the Project. For more information on the Project's EMPs, see Section 12.

Table 21.2-1: Follow-up Program

Follow-up Program	Valued Component	Project Phase	Application Section or Supporting Document
Surface Water Quality: <ul style="list-style-type: none"> This follow-up program will monitor acidification/eutrophic conditions in acid sensitive lakes (nine lakes) in the LSA to quantify potential Project effects on water quality and aquatic habitat. 	Surface Water Quality	Operation	5.9

Table 21.2-2: Compliance Monitoring and Reporting

Environmental Management Plan	Legislation / Guidance	Project Phase	Application Section
Air Quality Management Plan: <ul style="list-style-type: none"> Project emissions will be monitored and reported consistent with the requirements of the permit under the <i>Environmental Management Act</i>, Waste Discharge Regulation, once issued. Specific emissions may include nitrogen dioxide and ozone in the RSA. National Pollution Release Inventory Program reporting requirements will also be met. 	BC <i>Environmental Management Act</i> Canadian <i>Environmental Protection Act</i> (National Pollutant Release Inventory)	Operation	5.2
Greenhouse Gas Management Plan: <ul style="list-style-type: none"> Project GHG emissions, verified annually by March 31 by an accredited third party, will be reported to MOE as required and to Environment Canada by June 1 each year. 	BC <i>GHG Reduction Targets Act</i> BC <i>GHG Reduction (Cap and Trade) Act</i> BC <i>Carbon Tax Act</i> Canadian <i>Environmental Protection Act</i>	Operation	5.3
Erosion and Sediment Control Plan: <ul style="list-style-type: none"> A qualified professional will monitor TSS and turbidity at watercourse during construction and adjust mitigation measures, as necessary. 	<i>Fisheries Act</i>	Construction	5.7
Fish Habitat Offsetting Plan: <ul style="list-style-type: none"> A qualified professional will monitor compliance with requirements outlined in the section 35(2) <i>Fisheries Act</i> authorization. 	<i>Fisheries Act</i>	Construction Operation	5.7; 5.8

Environmental Management Plan	Legislation / Guidance	Project Phase	Application Section
Marine Activities Plan: <ul style="list-style-type: none"> ▪ A qualified professional will monitor compliance with the MAP. This will include monitoring compliance with requirements outlined in the section 35(2) <i>Fisheries Act</i> authorization and the Disposal at Sea Permit. 	<i>Fisheries Act</i>	Construction Operation	5.8
Noise Management Plan: <ul style="list-style-type: none"> ▪ Monitoring of sound levels, if required and appropriate, will follow the Noise Complaint Investigation Form (Part 1 and 2) from the OGC Noise Control Best Practices Guideline. 	OGC Noise Control Best Practices Guideline	Operation	5.4