

Application Requirements For a Clean Energy Investigative Licence



File #100126010 - Sliammon Development Corporation

BRITISH COLUMBIA Investigative Plan for Sliammon Hydroelectric Project Crown Land Tenure Application (100126010)

The Application, along with any subsequent requests for the Investigative Licence (IL) on the area noted in the application, is for the sole purpose of investigating resources to evaluate the potential viability of the Sliammon Hydroelectric Project (the Project) for future development and generation of energy from Sliammon Creek (watershed code: 900-286000, Lower Mainland Regional Unit 2-12).

Section A: Project Overview for Investigative Stage

Sliammon Creek is located in Region 2 on the Strait of Georgia, 2 miles northwest of Powell River along the Sunshine Coast and runs from Sliammon Lake through Sliammon Indian Reserve (IR) No. 1 of the Tla'amin Nation.

If a Clean Energy Project (CEP) results from work done in the investigative phase, the anticipated maximum power output will be up to 5 MW and will have intake, penstock, powerhouse and transmission line components within an investigative licence area of approximately 540 ha. The remainder of the Project will be located on the IR and does not require a provincial Crown land tenure.

During the investigative phase, access to the site will be achieved by existing forest service roads and by foot.

The proposed location of improvements is shown on the accompanying map and labeled as described in its legend. Any changes made to this investigative plan will be notified to the Authorizing Agency to maintain the tenure in good standing as soon as the information is known.

The proposed location of works is on Sliammon Creek and identified on the accompanying. The anticipated transmission line is shown on the accompanying map as a green line with an anticipated point of interconnection to the BC Hydro grid. The proposed water source is Sliammon Lake and upland tributaries, which are shown in blue.

Section B: Maps of Area

As required by the application, a General Location map at a scale of 1:50,000 and a Detailed Site Map at a scale of 1:25,000 are attached.

Section C: Investigative Schedule

A chart of the intended activities by type, year, and season and potential impact is included to assist Authorizing Agency staff in assessing the use of the land. As part of the requirements of the tenure document, Sliammon Development Corporation will notify the appropriate Authorizing Agency staff of any changes made to the investigative activities that include placement of improvements (e.g., monitoring equipment) if they were not part of the original submission of the investigative plan. Notification will occur as soon as the information is known by Sliammon Development Corporation, prior to making the changes and to maintain the tenure in good

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standing.

Activity	Brief Description of Activity	Time Period	Potential Impact
Hydrology	Installation of one instream flow gauges and one barometric logger.	Spring 2015 (ongoing measurement for life of project or until deemed unfeasible). Site visits are expected to occur on a bi-monthly basis.	No adverse impact.
Water Quality	Quarterly water samples from Sliammon Creek, Sliammon Lake, and reference conditions for parameters listed in Lewis <i>et al.</i> (2004) including: deployment of TidbiT loggers for measurement of continuous stream temperature data.		
Wildlife and wildlife habitat assessment	Development of baseline conditions for terrestrial wildlife and associated habitat.	Summer 2015	
Fish and fish habitat assessment	Ascertainment of species composition, distribution, and relative abundance; Classification of habitat suitability for fish.	Summer 2015	

Authorizations that will be required during the investigative phase are:

- Fish collection permit – *Wildlife Act* (MOE);
- General permit – *Wildlife Act* (MOE);
- Scientific Licence – *Fisheries Act* (DFO);
- Road use permit (NOTE: there will be no creation of or improvement to existing road access at this time).

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