



December 5, 2022

Job Number: 123990
vFCBC Tracking Number: 100403378

British Columbia Hydro and Power Authority
12th Floor-333 Dunsmuir ST
Vancouver, BC V6B 5R3

Dear British Columbia Hydro and Power Authority,

Notice of Authorized Changes - Changes In and About a Stream (File 9000786)

Thank you for your Authorized Change Application for changes in and about a stream regarding the cutting of annual vegetation in a stream channel, ice bridge/winter ford or snowfill – construction/maintenance, maintenance of a minor and routine nature by a public utility and construction of a temporary ford, for the project on Watson Slough at Lat.: 56.2478290 and Long.: -121.2911450. This letter acknowledges that the proposed activities meet the requirements as identified for Authorized Changes under the *Water Sustainability Act*.

As per Section 39(1)(i), (n), (t) and (v), you may make changes as per the regulation.

Should the work plan or scope of work change, you must notify the Habitat Officer. If the proposal is outside the authorized changes as described by Section 39 of the *Water Sustainability Regulation*, you will be directed to obtain an Approval under Section 11 of the *Water Sustainability Act*.

All work shall be carried out in accordance with the:

- Notification submitted on December 2, 2022 (tracking number 100403378).
- Site C Clean Energy Project Construction Environmental Management Plan (at time of issuance was Revision 11, dated October 11, 2022).
- Provincial "*Requirements and Best Management Practices for Making Changes In and About A Stream in British Columbia (2022)*" <https://www2.gov.bc.ca/assets/gov/environment/air-land-water/water/working-around-water/wsa-cias-requirements-bmps.pdf?msclkid=295e67c4c1ae11ecadd4ff4606dd7f6e> and "*A Users' Guide for Changes In and About A Stream in British Columbia (2022)*" https://www2.gov.bc.ca/assets/gov/environment/air-land-water/water/working-around-water/wsa-cias-users_guide.pdf?msclkid=92f2e4dbc1b011ec95c005b94d9b874d.

As the Habitat Officer under the *Water Sustainability Act*, I am requiring that the proposed changes in and about a stream be made in accordance with the following terms and conditions to protect fish, fish habitat, and/or water quality as per Section 42(2) of the *Water Sustainability Regulation*.

TERMS AND CONDITIONS:

a) THE TIMING WINDOW DURING WHICH THE CHANGE MAY BE MADE

As a Habitat Officer I authorize your instream works; **permitting works from December 12, 2022 to December 12, 2024 during frozen ground conditions only.**

Minimize the amount of time the work site is in a disturbed state by completing work as quickly as possible, while considering worker safety and minimizing environmental risk.

b) THE MINIMUM INSTREAM FLOW OR THE MINIMUM FLOW OF WATER THAT MUST REMAIN IN THE STREAM WHILE THE CHANGE IS BEING MADE

The natural rate of water flow must be maintained upstream and downstream of the worksite during all phases of instream activity.

c) THE REMOVAL OF MATERIAL FROM THE STREAM OR STREAM CHANNEL IN CONNECTION WITH THE CHANGE

The removal of material must not lead to stream channel instability or increase the risk of sedimentation into the watercourse.

Any spoil materials must be placed in a location which ensures that sediment or debris does not enter the watercourse.

d) THE ADDITION OF SUBSTANCE, SEDIMENT, DEBRIS OR MATERIAL TO THE STREAM OR STREAM CHANNEL IN CONNECTION WITH THE CHANGE

Measures must be taken to ensure that no harmful material (e.g. fuel and other hydrocarbons, soil, road fill, or sediment) which could adversely impact water quality, fish and other aquatic life, and/or fish habitat, be allowed to enter the wetted perimeter as a result of the project activities.

Equipment used in close proximity to the wetted perimeter must be free of deleterious material (e.g. hydrocarbons) and in good mechanical condition (e.g. no fuel or hydraulic leaks).

Ensure all hydraulic machinery entering a stream uses environmentally sensitive hydraulic fluids that are non-toxic to aquatic life and that are readily or inherently biodegradable.

Fuelling and servicing of vehicles and equipment must occur a minimum of 30 metres away from all streams, lakes and waterbodies. Keep a spill containment kit on site and train onsite staff in its use. Immediately report any spill of a substance that is toxic, polluting, or deleterious to aquatic life of reportable quantities to the Provincial Emergency Program 24-hour phone line at **1-800-663-3456**.

Erosion and sediment control structures are to be available onsite and utilized as necessary.

Do not work in weather conditions likely to contribute to sediment production to the stream.

e) THE SALVAGE OR PROTECTION OF FISH OR WILDLIFE WHILE THE CHANGE IS BEING MADE OR AFTER THE CHANGE HAS BEEN MADE

Do not disturb wildlife and/or their residences (e.g. beaver lodges) within the project area.

f) THE PROTECTION OF NATURAL MATERIALS AND VEGETATION THAT CONTRIBUTE TO THE AQUATIC ECOSYSTEM OR STREAM CHANNEL STABILITY

Minimize the disturbance to existing vegetation on and adjacent to the stream banks.

Minimize the number of vehicle/machinery crossings at the temporary ford stream crossing location.

Ensure the temporary ford stream crossing location is stable and activities do not adversely alter the bed or banks of the stream during crossing activities.

Minimize clearing width at the temporary ford stream crossing location and retain streamside vegetation within the stream crossing right-of-way wherever possible.

For ice bridges, winter fords or snowfills, only clean ice and snow are to be used in the construction or maintenance of the structure and are to be removed from the stream channel before ice break up.

If logs, timber or any other structural materials are used in the construction of an ice bridge, they must be removed before ice break up so as not to cause a significant risk of harm to public safety, the environment, land or other property.

g) THE RESTORATION OF THE WORKSITE AFTER THE CHANGE HAS BEEN MADE

Protect disturbed soil areas on the banks and areas adjacent to the stream from surface erosion.

Revegetate any disturbed areas using appropriately selected species, as required. Riparian areas which are disturbed by the works shall be restored to their original condition and protected from erosion.

Remove any remaining sediment and erosion control measures.

h) THE REQUIREMENT TO OBTAIN AN APPROVAL FROM THE FEDERAL DEPARTMENT OF FISHERIES AND OCEANS IN CONNECTION WITH THE CHANGES

Proponents are responsible for complying with the federal *Fisheries Act*. No serious harm to fish is authorized by this document, where serious harm is the death of fish or any permanent alteration to, or destruction of, fish habitat.

Proponents are responsible for determining whether Fisheries and Oceans Canada (FOC) must be consulted and whether an authorization from FOC is required prior to making the change.

i) OTHER

An Environmental Monitor must be on site while operations take place.

This Notification **does not** constitute a ***Wildlife Act Authorization***.

This letter does not cover works previously conducted without Authority.

This document does not supersede the requirements of the *Water Sustainability Act* and Regulations, *Federal Fisheries Act* or any other related legislation. The proponent is obligated to comply with all applicable federal, provincial or municipal enactments. For more information on the *Water Sustainability Act*, Section 11 Change Approval and Authorization for “Changes In and About a Stream” can be found at: <http://www2.gov.bc.ca/gov/content/environment/air-land-water/water/water-licensing-rights/working-around-water>.

Retain a copy of this document on site during construction of the works.

If you have any questions or concerns, please contact Kerry.Harvey@gov.bc.ca who can also be reached at 778-576-1136.

Sincerely,

A handwritten signature in black ink that reads "Kerry Harvey". The signature is written in a cursive, flowing style.

Kerry Harvey
Senior Ecosystems Biologist

Cc:
Enclosure(s)