



File: 9000485

December 18, 2019

**British Columbia Hydro and Power Authority**

12<sup>th</sup> Floor - 333 Dunsmuir Street  
Vancouver, BC  
V6B 5R3

**Dear Sir or Madam:**

**Re: Change Approval Application – 9000485 (Cache Creek - Highway Realignment)**

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Approval for the above has been granted and a Section 11 Change Approval document verifying this is attached.

We wish to inform you that the Cache Creek serves as a critical spawning and rearing area for fish. As the Approval holder you are required to adhere to all other applicable Provincial and Federal regulations.

An environmental monitor shall be present during instream work.

Section 105 of the *Water Sustainability Act* gives the recipient of this notice the right to appeal my decision. You may file an appeal within 30 days of the date indicated on this letter. Information on filing an appeal can be found on the Environmental Appeal Board WEB site at <http://www.eab.gov.bc.ca/>.

Yours truly,

Dave Francis  
Water Manager

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Ministry of Forests, Lands, Natural Resource Operations and Rural Development, Resource Stewardship Division, Water Management Branch, Gypsy Fisher, P.Geo.  
T.E. Little Consulting Inc., Tim Little [REDACTED]  
EDI Environmental Dynamics Inc., Jason Yarmish, Prince George BC

**Section 11 (1)**  
**Change Approval**

**British Columbia Hydro and Power Authority, 12<sup>th</sup> Floor-333 Dunsmuir Street, Vancouver, BC V6B 5R3** and their agents are hereby authorized to make changes in and about a stream as follows:

- 1) The name of the stream is Cache Creek.
- 2) The changes to be made in and about the stream are:
  - Clearing and grubbing of riparian vegetation.
  - Construction of a granular buttress that requires infilling of 420 linear meters of the existing Cache Creek channel.
  - Construction of a 200 m long diversion channel to re-route 500 m of the existing Cache Creek channel.
  - Construction of a tote road along the left bank from Highway 29, and laydown areas.
  - Bridge construction activities involving installation of steel footing piles to support the bridge pier and superstructure, filling each pile with concrete, pouring of a 2.5 m high concrete pile cap, and pouring a 14 m diameter concrete pile cap.
  - Placement of riprap armoring along the toe of the granular buttress and around the pile cap.
  - Stream crossings across the constructed channel as well as the existing Cache Creek channel, upstream of the diversion.
  - Location described by applicant as Lat: 56.2752777 Long: -121.23805555
- 3) All work will be as described in the Section 11 Application, the document titled “Environmental Management Plan – Site C Clean Energy Project – Highway 29 Realignment” dated February 21, 2019 and the document titled, “Site C Clean Energy Project – Water Sustainability Act Section 11 – Cache Creek Bridge – Hwy 29 – Description of Activities and Works” dated October 2, 2019.
- 4) The works authorized shall be completed by December 31, 2022.
- 5) The Contractors Environmental Protection Plan (EPP) prepared and signed by an appropriately Qualified Professional shall be submitted for review and approval by the Water Manager at least 15 work days in advance of commencement of the work.
- 6) Any significant departures from the approved plans and specifications as outlined in clause (3) or (5) will be submitted to the Water Manager for approval at least ten (10) working days prior to any changes being made in the field.
- 7) Mitigation measures shall be followed as outlined in the documents within clause (3) and (5).
- 8) All work shall be done in accordance with the “Standards and Best Practices for Instream Works” (WLAP 2004) and as stated in the documents within clause (3) and (5).
- 9) All instream works or work occurring in environmentally sensitive areas will be constructed under on-site supervision of an appropriately qualified Environmental Monitor (EM).
- 10) All instream work shall be undertaken during the appropriate instream work window unless otherwise authorized by appropriate Provincial or Federal agencies.
- 11) The natural rate of water flow must be maintained downstream of the worksite during all phases of instream activity.

- 12) Care shall be exercised during all phases of construction to minimize siltation of Cache Creek and any other watercourse. Any instream activities carried out within the wetted width of Cache Creek must be conducted in isolation to ensure that sediment and silt from those activities does not enter the stream. The holder of this approval must not cause significant adverse impact on the ambient water quality of the stream and adhere to the guidelines set out in the Environmental Management Plan and the EPP.
- 13) Equipment operating near the stream shall be free of external grease, oil or fluid leaks and an emergency spill response kit shall be kept on-site. Refueling of machinery shall be conducted to ensure that deleterious substances shall not enter the watercourse.
- 14) All excavated material shall be placed in a stable area above the high water mark of the stream, in a location which ensures that sediment or debris does not enter the watercourse, and protected from erosion by planting grass and/or vegetation.
- 15) 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 federal, provincial and municipal legislation.
- 16) This Approval does not authorize entry onto private land. It is the responsibility of the holder of this Approval to obtain appropriate landowner permissions/agreements prior to the works occurring.
- 17) The holder of this Approval shall take reasonable care to avoid damaging any land, works, trees or other property, and shall make full compensation to the owners for any damage or loss resulting from the exercise of the rights granted with this Approval.
- 18) The holder of this approval shall notify the Water Manager under the *Water Sustainability Act* when the changes have been completed.
- 19) The changes shall be completed to the satisfaction of the Water Manager under the *Water Sustainability Act*.
- 20) This Approval, or a copy of it, shall be kept or posted on the work site so that it may be shown to a Ministry official upon request.



Dave Francis  
Water Manager

**Date Issued: December 18, 2019**

**Approval/File No. 9000485**