



File: 9000291

October 16, 2017

British Columbia Hydro & Power Authority
PO Box 49260 333 Dunsmuir Street, Suite 600
Vancouver, BC V7X 1V5

Dear Alexandra Gray:

Re: Change Approval Application – 9000291 – Channel Reinstatement, Remediation and Maintenance (RSEM L3)

Approval for the above has been granted, and the approval document verifying this is attached.

These documents do not supersede the requirements of the *Water Sustainability Act* and Regulations, federal *Fisheries Act* or any other applicable municipal, provincial and federal regulations.

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 website at <http://www.eab.gov.bc.ca/>.

If you have any questions or concerns regarding the document issued, please contact Phillip Krauskopf at (250) 561-3441.

Yours truly,

A handwritten signature in black ink, appearing to read "Dave Francis".

Dave Francis
Water Manager

Enc.

p.c. Ministry of Environment, Conservation Officer Service, Fort St. John, BC



Province of British Columbia

Water Sustainability Act

Approval Section 11 (1)

British Columbia Hydro & Power Authority – PO Box 49260 333 Dunsmuir Street, Suite 600, Vancouver, BC V7X 1V5 is hereby authorized to make changes in and about a stream as follows:

1. The name of the stream is known as the BC Hydro Site C – Clean Energy Project / RSEM L3 – Ravine Infill. The stream is unnamed and is a tributary to the Peace River.
2. This approval is an extension of works that were authorized under Change Approval A704317 (dated July 6, 2015) and an amendment to extend the time for completion of works (dated November 17, 2016).
3. The work authorized is described in the application document (submitted July 10, 2017), application amendment (submitted July 20, 2017) and supporting design drawings, documents and appendices:
 - Construction of new drainage ditches and sediment ponds
 - Excavation and cleanout of existing ditches
 - Repair of riprap lining in existing ditches along roads
 - Repair and installation of culverts
 - Placing temporary erosion control features in existing ditches
 - Installation of new concrete inlet structures added to existing or new culverts
 - Re-grading existing surfaces to repair erosion and improve drainage patterns
 - Re-vegetation including hydro seeding
 - Other erosion and sediment control works as required
 - Installation of temporary flow control structures (v-notch weir, sandbag weir, flume or similar) on L3 and L4 creeks upstream of the Relocated Surplus Excavated Material (RSEM) fill area, and one in L3 Creek downstream of the RSEM fill area
4. The approximate location of works is described by the applicant as latitude: 56.200000, longitude: -120.890000.
5. The applicant has ownership of the land where works will occur.
6. Mitigation measures shall be followed as outlined in the documents within clause (3).
7. The Water Manager under the *Water Sustainability Act* must be notified if the work plan changes significantly from those outlined in the documents identified in clause (3).

8. All work shall be done in accordance with the “Standards and Best Practices for Instream Works” (MWLAP 2004).
9. The term of the Approval shall be from the date of issuance to August 1, 2023.
10. The Holder of this Approval must comply with all applicable Provincial and Federal Legislation and standards prescribed with the “Construction Environmental Management Plan - Site C Clean Energy project, Revision 4: July 26, 2016” (CEMP) and any Ministry approved versions or updates made to this documents during the term of the project.
11. The Holder of this Approval must make available and provide copies upon request by the Ministry the construction contractor Environmental Monitoring reports and prescribed Environmental Protection Plan (EPP) documents required as per reporting standards within the CEMP. The holder of this Approval must submit reports to the Ministry in a form, manner, and frequency acceptable to the Water Manager.
12. All instream work shall be undertaken during appropriate instream work windows; unless otherwise authorized by appropriate Provincial or Federal agencies.
13. All instream works shall be conducted under the supervision of an Independent Environmental Monitor (IEM). The IEM must have the authority to stop work if warranted due to environmental conditions and professional judgement.
14. The natural rate of water flow must be maintained upstream and downstream of the worksite during all phases of instream activity.
15. Instream activities must be conducted in the dry and the worksite must be isolated from water flowing in the stream channel.
16. Care shall be exercised during all phases of work to minimize siltation.
17. Equipment operating near the stream shall be free of external grease, oil or fluid leaks and an emergency response kit shall be kept on-site.
18. Refueling of machinery shall be conducted to ensure that deleterious substances shall not enter the watercourse.
19. All disturbed areas of the banks and the stream channel must be restored and provided with long-term protection from erosion.
20. All excavated material and debris shall be placed in a stable area above the high water mark of the stream and protected from erosion by planting grass and/or other vegetation.
21. The holder of this approval shall notify the Water Manager under the *Water Sustainability Act* when the changes have been completed.

22. The changes shall be completed to the satisfaction of the Water Manager under the *Water Sustainability Act*.
23. A copy of this approval must be kept or posted on the work site so that it may be shown to a Ministry official upon request.

A handwritten signature in black ink, appearing to read "Dave Francis". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Dave Francis
Water Manager

Date Issued: October 16, 2017

Approval/File No. 9000291