



File: 9000100

April 29, 2016

Bettina Sander
Regulatory Manager
BC Hydro and Power Authority
Four Bentall Centre
1100-1055 Dunsmuir Street
Vancouver, V7X 1V5

Dear Bettina Sander:

**Re: Construction of a temporary ford crossing “Changes In and About a Stream”
– File: 9000100**

Thank you for submitting your Notification Application for “Changes In and About a Stream” to FrontCounter British Columbia on March 18, 2016.

The Notification Application received consists of “Authorized changes” in and about a stream for the construction of a temporary ford crossing. The proposed works are required to provide short term access for equipment required to complete geotechnical investigative works along an existing transmission line. BC Hydro Power Authority provided a field assessment which details/describes the crossing site as an unnamed creek - ephemeral water course / drainage feature (Stream ID: WSC 230-744800-33300) and observed the unnamed creek to be dry at the time of the assessment. BC Hydro Power Authority qualified professional assessed the instream works as low; specifically, due to the low duration and impact of industrial activity classed (45m² of disturbance), the operations as having no negative impacts to fish and fish habitat.

The Notification application has been reviewed by the Ministry of Forests, Lands, and Natural Resource Operations, Habitat Officer: A review of the Ministry’s database (Fish Habitat Wizard) does not identify or have a record of the unnamed creek as being a fish bearing water source (confirmed by BC Hydro qualified professional’s field assessment).

The prescribed works include construction of a temporary ford crossing which includes; installation of a modular style clear span bridge and bridge mats over a geotextile fabric; as detailed within the submitted application and form part of the Habitat Officer response regarding works authorized under the Water Sustainability Regulation (WSR):

WSR - Section 39 (1) - The following changes in and about a stream are authorized changes:

- (v) the construction of a temporary ford for vehicular traffic across a stream.



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It is the Ministry's understanding that the works associated with the construction of the temporary ford crossing will be completed on or about June 1st, 2016.

Works will be undertaken as submitted and proposed best management practices will be implemented during all phases of construction; specifically, but not limited to:

1. Best Management Practices and works are prescribed, designed, and load rating of the crossing is approved by a Qualified Professional / Engineer (P.Eng).
2. Standards and Best Practices for Instream Works, Miscellaneous Works, Version 1.0 2004. <http://www.env.gov.bc.ca/wld/instreamworks/downloads/MiscellaneousWorks.pdf>
3. The use of the temporary crossing will be for a period of 10 consecutive days, as temporary fords are considered temporary stream crossings installed to allow transportation or material movement across a channel for a limited period of time.
4. The creek / stream channel will be protected against any anticipated erosion for the period of construction, use of the ford, and after the ford is removed. All materials used as part of the construction will be removed and site rehabilitated/re-vegetated as per Best management Practices and/or directed by the Ministry.
5. BC Hydro and Power Authority – Site C Clean Energy Project, approved Construction and Environmental Management Plan.
6. Applicable provincial, federal and/or municipal legislation and regulations including, but not limited to, the Water Sustainability Act and Peace Terms and Conditions. It is also expected that all instream works will be consistent with the Ministry Standards and Best Practices for Instream Works.
7. BC Hydro must obtain and be in possession of the required land tenure permissions / land authority needed to conduct works on Crown land, as required.
8. Within 30 days of commencement of instream works, BC Hydro is to provide the Independent Environmental Monitor (IEM) a copy of the Environmental Protection Plan (EPP) document including any revisions to the document. The IEM will be given adequate time to review, accept, and sign-off the associated EPP document (including EPP revisions) prior to commencement of any works; of which BC Hydro shall implement and make the necessary changes to the EPP document as requested by IEM.
9. Provide the Ministry, upon request, a copy of a sediment and erosion control plan detailing measures to protect the environment and monitor water quality in the form of an "Environmental Protection Plan" document; including but not limited to:



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- re-vegetation measures of any exposed soils, such as planting of a diverse mix of native trees, shrubs, and herbaceous plants appropriate to the site conditions, to re-vegetate and replace impacted riparian vegetation,
 - ensure sediment from approach ditches does not enter the stream,
 - maintain a driveable running surface that is erosion-free,
 - the stream remains in its channel,
 - water flow and debris within the channel is allowed to pass through the temporary ford,
 - the ford is removed at the end of the period of use and at a time when the removal can proceed without causing a risk of significant harm to fish, wildlife or the aquatic ecosystem of the stream, and
 - safety signage to be erected and in-place at the crossing providing adequate notice to anticipated road/trail users and vehicles operators of the location of crossing structure and maximum load limits required.
10. Ensure an assessment of cultural heritage resource features has been completed on the proposed area and notification issued to the Independent Environmental Monitor if any new values have been identified during the completion of any pre-construction surveys or ongoing works.
11. Provide the Ministry upon request, documentation of BC Hydro communications of proposed changes/activities to associated First Nation groups as per "Aboriginal Group Communication Plan".

The effective date of this Notification is April 29, 2016. If you have any questions and/or concerns regarding this communication, you can contact me at (250) 774-5530.

Sincerely

Mike D'Aloia

Mike D'Aloia, RFT, RBT
WSA – Officer / Habitat Officer, Northeast Region