



Ministry of
Forests, Lands and
Natural Resource Operations

File: 9000246

July 21, 2017

British Columbia Hydro and Power Authority
Suite 600, Four Bentall Centre
1055 Dunsmuir Street
PO BOX 49260
VANCOUVER BC
V7X 1V5

Dear Karen von Muehldorfer | Regulatory Manager:

Re: Change Approval – 9000246 (Peace River- Downstream Contouring)

An Amendment under Section 26 (1) (e) of the *Water Sustainability Act* has been issued for the above mentioned Approval for reasons as outlined in the attached document.

This Amendment forms an integral part of your Approval and should be attached to it.

All other conditions for Approval 9000241, dated July 12th, 2017 will continue to apply.

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 is located on the Environmental Appeal Board WEB site at <http://www.eab.gov.bc.ca/>.

If you have any questions or concerns regarding the document issued, please contact Robert M Piccini at 250 561-3444.

Yours truly,

Dave Francis

Water Manager

Enc.



Province of British Columbia
Water Sustainability Act

AMENDMENT

SECTION 26 (1) (e)

FILE /APPROVAL NO: 9000246

In the matter of **Approval No. 9000246** which authorizes changes in and about the **Peace River** for the *Downstream Contouring* to accommodate fish habitat enhancement work.

Having determined that an error associated with this Approval and being satisfied that no person's rights will be injuriously affected, I hereby amend Clause 10) and 15) of said Approval, to read as follows:

- 10) *Instream activities must follow the "Fisheries and Aquatic Habitat Management Plan"- (Revision 1) dated June 1, 2015, outlined under Section 6.2.1.1 as well as the "Construction Environmental Management Plan" under Section 4.5 - (Revision 4) dated July 26, 2016.*
- 15) *All excavated material shall be placed in stable areas, following the "Construction Environmental Management Plan" under Section 4.4 - 'Erosion Prevention and Sedimentation Control Management - (Revision 4) dated July 26, 2016.*

Dated at the City of Prince George, British Columbia this 21st day of July, 2017.

Dave Francis
Water Manager



Ministry of
Forests, Lands and
Natural Resource Operations

File: 9000246

July 12, 2017

British Columbia Hydro and Power Authority
Suite 600, Four Bentall Centre
1055 Dunsmuir Street
PO BOX 49260
VANCOUVER BC
V7X 1V5

Dear Karen von Muehldorfer | Regulatory Manager:

Re: Change Approval Application – 9000246 (Downstream Contouring)

Approval for the above has been granted, and the approval document is attached for your perusal. Please review and ensure you are familiar with all of the conditions held within this approval.

The Approval holder is required to adhere to all other applicable Provincial and Federal regulations.

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/>.

If you have any questions or concerns regarding the document issued, please contact Robert M Piccini in the Prince George office at (250) 551-3444.

Yours truly,

Dave Francis
Water Manager

Enc.

e.c. Ministry of Forests, Lands & Natural Resource Operations, 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

Approval
Section 11 (1)

British Columbia Hydro and Power Authority, Suite 600, Four Bentall Centre, 1055 Dunsmuir Street, PO Box 49260, Vancouver, BC V7X 1V5 and their agents are hereby authorized to divert and use water as follows:

- 1) The name of the stream is the Peace River and the project area is known as BC Hydro – Peace River Downstream Contouring.
- 2) The changes to be made in and about the Peace River are described in the document entitled, “*Site C Clean Energy Project – Application for Water Sustainability Act Approval – Downstream Contouring, Description of Activities and Works*”, with the following channel enhancement design details;
 - Grade control structures, (i.e. cobble material for a thickness of 0.5 m) at the inlet and outlet of side channels to maintain channel slope;
 - Bank protection on the entrances to the side channels where flow velocities are high;
 - Rock riprap specified on channel slopes adjacent to steep slopes or adjacent to private properties as a means of erosion protection;
 - Raised islands, pools and large woody debris placement providing enhanced side channel function; and
 - Habitat depressions in the main channel contouring areas to provide areas of greater depth and enhanced channel function.
- 3) The holder of this Approval must comply with all other applicable Provincial and Federal Legislation and standards prescribed with the following documents;
 - i. Construction Environmental Management Plan – Site C Clean Energy Project, Revision 4: July 26, 2016;
 - ii. Appendix 1 – Erosion and Sediment Control Plan - Site C Clean Energy Project, Revision 1: July 8, 2016;
 - iii. Construction Activity Plan – Dam Site Area and Moberly River, For Provincial Permits required for Construction and Operations, March 4, 2015.
- 4) The holder of this Approval will retain a person with professional qualifications as the Independent Environmental Monitor (IEM) who will monitor environmental impacts from the construction of these works and report directly to the Water Manager.
- 5) All works authorized under this Approval shall be completed by March 31st, 2020.

- 6) Any significant departures from the approved plans and specifications as outlined in clause (2) will be reported to the Water Manager prior to those alterations occurring.
- 7) All instream work shall be undertaken during appropriate instream work windows; unless otherwise authorized by appropriate Provincial or Federal agencies.
- 8) All work shall be done in accordance with the “Standards and Best Practices for Instream Works” (MWLAP 2004).
- 9) The natural rate of flow in the Peace River must be maintained upstream and downstream of the worksite during all phases of instream work activity.
- 10) Instream activities must be conducted in the dry and the worksite must be isolated and protected from flowing water.
- 11) Care shall be exercised during all phases of construction to minimize the escape of sediment laden water into the Peace River.
- 12) Equipment operating near the Peace River shall be free of external grease, oil or fluid leaks and an emergency spill response kit shall be kept on-site.
- 13) Refueling of machinery shall be conducted to ensure that deleterious substances shall not enter into the Peace River.
- 14) All disturbed areas of the Peace River and its banks/channels must be restored and provided with long-term protection from erosion.
- 15) All excavated material shall be placed in a stable area above the high water mark of the Peace River and protected from erosion, using appropriate grasses and/or vegetation that do not contain invasive or noxious weeds.
- 16) 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.
- 17) The holder of this approval shall notify the Water Manager under the *Water Sustainability Act* when the changes have been completed.
- 18) The changes shall be completed to the satisfaction of the Water Manager under the *Water Sustainability Act*.

- 19) British Columbia Hydro and Power Authority (BCH) has committed through the project's Environmental Impact Statement (EIS) and Environmental Assessment Certificate (EAC), multi-year monitoring to maintain and mitigate the potential long-term effects of this project on Fish and Fish Habitat.
- 20) 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 or provincial or municipal enactments.
- 21) This Approval, or a copy of it, must 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: July 12, 2017

Approval/File No. 9000246