



File: A703714

July 6, 2015

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

Dear Bettina Sander:

Re: Approval Application – A703714 – Ravine Infill (RSEM L3)

Approval for the above has been granted and a Section 9, Changes in and about a Stream, Approval document verifying this is attached.

The permit holder is required to adhere to all other applicable Provincial and Federal Regulations.

Section 92 of the Water 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 Mike D'Aloia at 250 774-5530.

Yours truly,

Regional Water Manager

Enc.

p.c. Ministry of Environment, Conservation Officer Service – Fort St John, BC
Denise Booy, Compliance & Enforcement Supervisor, Dawson Creek, BC



Province of British Columbia

Water Act

Approval

Section 9

The BC Hydro and Power Authority, Four Bentall Centre, 1100-1055 Dunsmuir Street
Vancouver, V7X 1V5 is hereby authorized to make changes in and about a stream as follows:

- 1) The name of the project area is known as the BC Hydro Site C – Clean Energy Project / RSEM L3 – Ravine Infill. The stream is un-named.
- 2) The work authorized is described in the application document and supporting appendices:
 - a) Appendix A - Construction Environmental Management Plan, Site C - Clean Energy, June 5, 2015 and subsequent approved updated.
 - b) Appendix B – Water Act Sec. 9 Application A703714 –“1_RSEM-L3_WA_s9_App_v3_ 20141009”.
 - c) Appendix C – Site C Clean Energy Project Activity Description for the Dam Site Area – RSEM L3 Ravine “Appendix Q of the Dam Site Area Component Application Package”.
 - d) Appendix D1- Drawing 1016-C09-06025 - Site C Clean Energy Projects – Early Civil Works – Dam Site Access Roads – North Bank Road Culvert – Plan and Profile Qualified Professional - Engineer Prescribed – Signed and Sealed.
 - e) Appendix D2 - Drawing 1016-C11-00806 - Site C Clean Energy Projects – Early Civil Works - RSEM Area L3 – Plan and Profiles – Water Management – Qualified Professional Engineer Prescribed – Signed and Sealed.
 - f) Appendix D3 - Drawing 1016-C11-00807 - Site C Clean Energy Projects – Early Civil Works RSEM Area L3 – Sections and Details – Water Management – Qualified Professional Engineer Prescribed – Signed and Sealed.
 - g) Appendix E – Independent Environmental Monitor Document.
- 3) 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, June 5, 2015” (CEMP) and any ministry approved versions or updates made to this documents during the term of the project.
- 4) The Holder of the Approval will retain an Independent Environmental Monitor (IEM) to report directly to the Regional Water Manager on results of compliance inspections with the environmental requirements observed during operations as per Appendix # E - Independent Environmental Monitor Document. The frequency of compliance reporting by IEM will be weekly or as requested by the Regional Water Manager, and submitted in a form and manner acceptable to the Ministry.
- 5) The Holder of the Approval must submit to the Ministry within 30 days prior to the start of any work authorized by this Approval:
 - a) A completed Appendix # E document as described in the above section 4 of this Approval; and
 - b) Appendix # E document must be in a form and manner acceptable to the Regional Water Manager prior to commencement of any work authorized by this Approval.
- 6) The Holder of this Approval must prepare and submit monthly regulatory compliance reports as detailed within the CEMP document during the term of the Approval to the Ministry in a form and manner acceptable to the Regional Water Manager.

- 7) 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 documents required as per reporting standards within CEMP. The holder of this Approval must submit reports to the Ministry in a form, manner, and frequency acceptable to the Regional Water Manager.
- 8) The Holder of the Approval must ensure monitoring activities resulting in observations of high significance of non-conformance to conditions of Approval or an issuance of a Stop Work Orders as described with CEMP must be reported to the Ministry within 24hrs of discovery and submit a report within 5 days of occurrence, in a form and manner acceptable to the Regional Water Manager.
- 9) As per the above section 8 of this Approval, the definition of non-conformance significance levels for reporting occurrences of non-compliance will be determined in a form and manner acceptable to the Regional Water Manager.
- 10) This Approval does not authorize entry onto private land.
- 11) The Holder of the Approval shall ensure all required Crown land tenures and access authorizations to perform work on Crown land has been issued prior to commencement of work.
- 12) Amendments shall be submitted in a form and manner acceptable to the Regional Water Manager.
- 13) The Ministry will share the concerns it received on this Approval with BC Hydro who in turn must share these concerns with the contractor developing the Environmental Protection Plan and the Independent Environmental Monitor who must review the Environmental Protection Plan as required in the CEMP.
- 14) In addition to the authorized works specified in section 2, the Holder of the Approval shall ensure that instream works are conducted in such a manner to meet the standards and practices listed in the following documents to protect the environment:
 - a) BC Ministry of Environment, 2004. Standards and Best Practices for Instream Works. Access via: <http://www.env.gov.bc.ca/wld/documents/bmp/iswstdsbpsmarch2004.pdf>
 - b) BC Ministry of Environment, 2009. A Users' Guide to Working in and Around Water: Understanding the Regulation under British Columbia's *Water Act*. Access via: http://www.env.gov.bc.ca/wsd/water_rights/cabinet/working_around_water.pdf
 - c) Fisheries and Oceans Canada, 2013. Measures to Avoid Causing Harm to Fish and Fish Habitat. Access via: <http://www.dfo-mpo.gc.ca/pnw-ppe/measures-mesures/index-eng.html>
 - d) Ministry of Forests, Lands and Natural Resource Operations et al, 2012. Fish-stream Crossing Guidebook: Revised Edition. Access via: <http://www.for.gov.bc.ca/HFP/Fish/FishStream%20Crossing%20Print.pdf>
 - e) Ambient Water Quality Guidelines (Criteria) for Turbidity, Suspended and Benthic Sediments (BC MOE, 2001)
 - f) Water Quality Guidelines for the Protection of Aquatic Life (CCME 2012)
 - g) A Compendium of Working Water Quality Guidelines for British Columbia (BC Ministry of Environment 2006)
- 15) The term of the Approval shall be from July 7th, 2015 to November 30, 2016.



Regional Water Manager

Date Issued: July 6, 2015

Approval/File No. A703714