



Province of British Columbia

Water Sustainability Act

Approval

Section 10 - Short Term Use

British Columbia Hydro and Power Authority, Suite 600, Four Bentall Center, 1055 Dunsmuir Street, PO BOX 49260, VANCOUVER BC V7X 1V5 is hereby authorized to divert and use water as follows:

- 1) The stream on which the rights are granted is Pine River.
- 2) The changes to be made in and about the stream are in accordance with attached documents:
 - a. Appendix A - Construction Environmental Management Plan, Site C - Clean Energy, June 5, 2015 and approved updated versions (CEMP).
 - b. Appendix B – Water Sustainability Act – Use Approval – File 9000096 – Pine River, “Site C Clean Energy Project Water Act Section 8 Application for Short Term Use – West Pine
 - c. Appendix C – Independent Environmental Monitor Document: “Site C – Clean Energy Project, Guide for Waterpower Projects, Scope of Information and Reports, by the Independent Environmental Monitor, Environmental Management Roles and Responsibilities”.
 - d. Appendix D- Water Authorization Withdrawal Log.
- 3) This Approval does not authorize entry onto privately held land.
- 4) The point of diversion is found at the following locations as submitted by the applicant:

Site	Waterbody	Flows Into	Location Description	Coordinates
1	Pine River	Peace River	West Pine Quarry	Latitude: 55.50428°/ Longitude: 122.60473°
2				Latitude: 55.50289° / Longitude: 122.60408°
3				Latitude: 55.50194° Longitude: 122.59469°

- 5) The purpose for all sites which water is to be used for:
 - a) Industrial: Well Drill /Transport Management – Fire Protection – 800 cubic meters
 - b) Industrial: Processing & Manufacturing – Dust Control – 4000 cubic meters



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- 6) The total maximum quantity of water which may be diverted is 4800 cubic meters per term of approval.
- 7) The maximum instantaneous rate of water diversion at the pump shall not exceed 0.02 cubic meters per second at each point of diversion site and 0.06 cubic meters per second for all three sites combined.
- 8) The total maximum quantity of water which may be diverted:
 - a) 100 cubic meters per day for each site,
 - b) 300 cubic meters per day for all three sites combined.
 - c) 1000 cubic meters a month for all three sites combined,
 - d) 4800 cubic meters for the term of the Approval.
- 9) 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.
- 10) No water withdrawal is permitted from any point along a stream with a depth of less than 0.30 centimeters at the point of diversion.
- 11) The works authorized are a screened intake, pump, hose, pipeline, storage tank, and truck. Works must be prescribed by a qualified professional and conform to the Department of Fisheries and Oceans guidelines for fish bearing freshwater intake pipes.
- 12) The holder of the Approval will retain an Independent Environmental Monitor (IEM) to report directly to the Water Manager on results of compliance inspections with the environmental requirements observed during operations as per Appendix #C - Independent Environmental Monitor Document. The frequency of compliance reporting by IEM will be weekly or as requested by the Water Manager, and submitted in a form and manner acceptable to the Ministry.
- 13) 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 # C document as described in the above section 12 of this Approval; and,
 - b) Appendix # C document must be in a form and manner acceptable to the Water Manager prior to commencement of any work authorized by this Approval.
- 14) The holder of the Approval must submit a completed Environmental Protection Plan (EPP) document as per CEMP requirements, including prescribed measures to assess stream flow / environmental thresholds and stop work measure to cease water withdrawals during periods of drought and water scarcity as directed by Water Manager. The EPP documents and any revisions to EPP documents shall be in a form

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/ manner and frequency acceptable to the Water Manager prior to commencement of any work authorized by this Approval.

- 15) Water withdrawals at the point of diversion site shall cease when:
 - a) the Pine River stream flows at the Site # 1 discharge measurement is 3.85 cubic meters per second or less at the point of diversion,
 - b) stream flows at the Pine River as reported at the "East Pine" -Water Survey of Canada monitoring station (# 7FB001) records a stream discharge measurement of 38.02 cubic meters per second or less, or
 - c) as directed by the Water Manager.
- 16) The holder of this Approval must make available and provide copies upon request by the Water Manager: the Environmental Monitor (EM) inspection reports and prescribed Environmental Protection Plan (EPP) and any EPP revision documents required as per reporting standards within CEMP document. The EM inspection reports and EPP documents must be submitted in a form and manner acceptable to the Water Manager.
- 17) The holder of the Approval must ensure that:
 - a) any incidence of high significance of non-conformance to conditions of the Approval are reported to the Ministry and IEM within 24hrs of discovery, and
 - b) submit a report within 5 days of occurrence, in a form and manner acceptable to the Water Manager.
- 18) As per the above section 17 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 Water Manager.
- 19) 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.
- 20) Amendments shall be submitted in a form and manner acceptable to the Water Manager.
- 21) Daily records of users, time (Start and End), and total volume and rate of water withdrawn, diverted per point of diversion site shall be kept throughout the term of the Approval and report of records made available for review upon Ministry's request.



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- 22) A report including a complete set of daily water withdrawal records per POD site shall be submitted upon request by the Water Manager. The daily withdrawal reports shall be in a form and manner acceptable to the Water Manager (Appendix D- Water Authorization Withdrawal Log). All records are to be submitted within 60 days of water withdrawals being completed.
- 23) A copy of this Approval must be available for inspection upon Ministries request at the project site and with the pump operator.
- 24) The Approval has been granted to use the water during the months of April through November of each calendar year.
- 25) The term has been granted to use the water from date of issue to December 31, 2018.

Dave Francis
Water Manager

Date Issued: December 9, 2016

Approval No 9000096