

WATER LICENCE DISPOSITION RECORD

File #: 7001819 Water Licence #: C128873

Stream Name: ZZ Creek

Date of Disposition: May 28, 2014

☐ Abandoned

☐ Cancelled

☐ Refused

☒ Superseded by Licence #/s: C131555 _____

Close File? ☐ Yes ☒ No

Noted by: LMP Date: Dec 16, 2014
(Financial Services Branch Representative)



Province of British Columbia

Water Act

CONDITIONAL WATER LICENCE

The owner of the land to which this licence is appurtenant is hereby authorized to divert and use water as follows:

- a) The streams on which the rights are to be granted are ZZ Creek (SO80698) and ZZ Creek (SO185075).
- b) The points of diversion are as follows; denoted by PD80699 and PD185077, is located as shown on the attached plan.
- c) The date from which this licence shall have precedence is April 18, 2007.
- d) The purpose for which this licence is issued is power (general).
- e) The maximum quantity of water which may be diverted is and used under this license is 3.5 m³/s.
- f) Water may be diverted and used throughout the whole year while maintaining a minimum instream flow below each intake, as follows;
 - ZZ Creek (SO80698) will have an instream flow of 0.457 m³/s, and
 - ZZ Creek (SO185075) will have an instream flow of 0.127 m³/s,

Based on the Mean Annual Discharge (MAD) calculated for each stream and as of the date of issuance of this license, the MAD has been determined to be 3.047m³/s and 2.545m³/s, respectively. The requirement for minimum flow may be subject to change in the event that additional flow data or environmental impacts warrant a review of these flows.

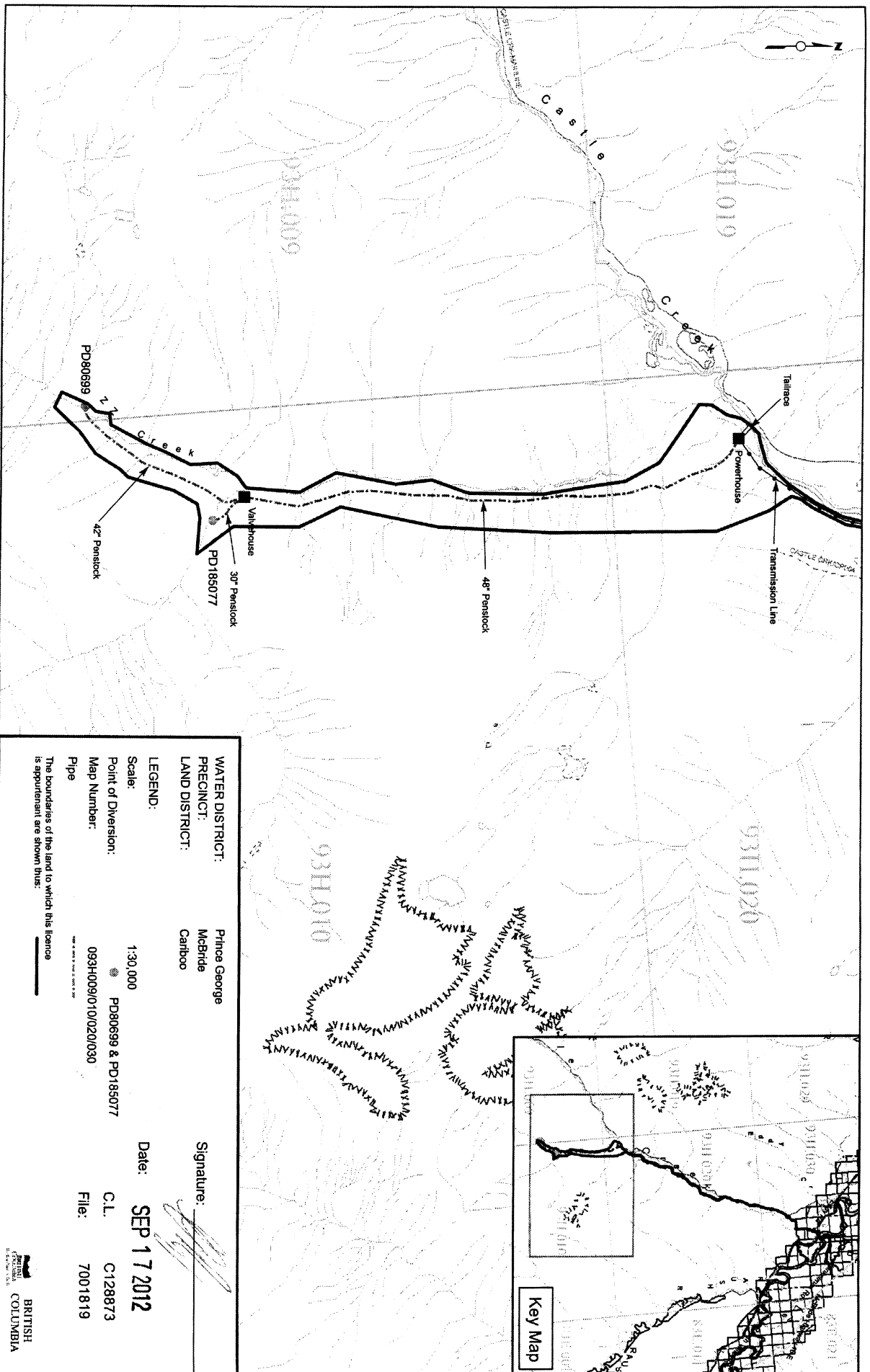
- g) The land upon which the water is to be used and to which the licence is appurtenant, is unsurveyed crown land in the vicinity of Castle Creek on which the powerhouse generating system is located, and held under Land Act tenure file No. 7408639.
- h) The works authorized for construction are diversion structure and a weir, 2 intakes, penstock, powerhouse, tailrace and switchyard which shall be located approximately as shown on the attached plan.

- i) Prior to the commencement of construction authorized under clause (h) of this licence, the licensee must:
1. Prepare and submit, for acceptance by the Engineer or Regional Water Manager, an Operational Environmental Management Plan (OEMP), establishing and monitoring a base flow regime, including specifications for ramping rates, within the affected reach and below the tailrace, to meet Provincial Fisheries requirements; and
 2. Prepare and submit a draft manual that identifies the long term Operation, Procedures and Parameters Report (OPPR), including a surveillance schedule for first filling of the reservoir and an Emergency Preparedness Plan (EPP), to the satisfaction of the Engineer or Regional Water Manager; and,
 3. Prepare a Construction Environmental Management Plan (CEMP) for the management, mitigation and offsetting of construction impacts, to the satisfaction of the Engineer or Regional Water Manager; and,
 4. Submit to the satisfaction of the Engineer or Regional Water Manager, the following:
 - a. plans that show the general arrangement of works to be constructed,
 - b. criteria for the design and operation of these works to be constructed,
 - c. criteria for the operation of the works to be constructed, and
 - d. schedule for the construction of works.
 - e. final as-built drawings within one year of commissioning;
 5. Ensure that the plans for the works to be constructed are signed and sealed by a Professional Engineer, (the "Design Engineer"), registered in the province of British Columbia;
 6. Obtain Leave to Commence Construction (LCC), in writing, from an Engineer or the Regional Water Manager.
- j) Before submitting the information required under clause (i), the licensee must retain, to the satisfaction of the Engineer or Regional Water Manager:
- a qualified person, (the "Environmental Monitor"), who will provide services to the Regional Water Manager and other agencies, to monitor the environmental impacts from the construction of the works in accordance with the EMP;
 - a Professional Engineer, (the "Independent Engineer"), registered in the province of British Columbia, who will provide services to the Engineer or the Regional Water Manager for the regulation of the construction of these works.

- k) Before commencing operation of these works authorized under clause (h), the licensee must:
- Upon acceptance of the OEMP under clause (i), which includes a full ramping schedule for the operational stage of this project, by Provincial fisheries and by the Engineer or the Regional Water Manager, implement the plan; and,
 - Develop the final habitat offsetting/compensation plan based on, but not limited to, the affected land and aquatic environment by the various aspects of this project, for final acceptance by Provincial Fisheries and by the Engineer or Regional Water Manager, and to implement the final agreed to plan; and,
 - Submit a report for acceptance by an Engineer or the Regional Water Manager on the parameters and procedures for the operation of the works authorized under clause (h). These parameters and procedures shall be based on the information on the generation of electricity and the social and environmental values considered in the issuance of this license;
 - Receive leave to commence operation of these works in writing, from an Engineer or the Regional Water Manager
- l) The licensee must operate the works authorized under clause (h) above in accordance with:
- Procedures ordered by an Engineer of the Regional Water Manager, including any order for the regulation of the diversion, rate of diversion and use of water as may be required for the preservation of fish, fish habitat as outlined in the OEMP; and
 - Any amendment of the procedures ordered an Engineer or by the Regional Water Manager.
- m) Within the first year of operation the licensee must submit the final as-built drawings, signed sealed by a Professional Engineer registered in the province of British Columbia, the completed OPPR Manual and the EPP to the Engineer and the Regional Water Manager, for acceptance.
- n) The construction of the said works shall be completed and the water beneficially used prior to December 31, 2015.
- o) The term of this licence is 40 years from the date of issuance.



Greg Rawling
Regional Water Manager



WATER DISTRICT: Prince George
 PRECINCT: McBride
 LAND DISTRICT: Cariboo
 LEGEND:
 Scale: 1:30,000
 Point of Diversion: PD80699 & PD185077
 Map Number: 083H008/010/020/030
 Pipe

Signature: _____
 Date: **SEP 17 2012**
 C.L. C128673
 File: 7001819

The boundaries of the land to which this licence is appurtenant are shown thus: _____