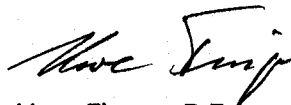


THE PROVINCE OF BRITISH COLUMBIA - WATER ACT

WATER LICENCE

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

- a) The stream on which the rights are granted is Kiskatinaw River.
- b) The point of diversion is located as shown on the attached sketch as per Imperial Oil Resources Limited File No. 3111-05123.
- c) The date from which this licence shall have precedence is 20th August, 1996.
- d) The purposes for which this licence is issued are Industrial (Oilfield Injection) and storage.
- e) The maximum quantity of water which may be diverted is 400,000 m³ per year (12.5 l/s maximum rate) .
- f) Water may be used throughout the whole year.
- g) The land upon which the water is to be used and to which this licence is appurtenant is Legal Subdivision 2, Section 17, Township 80, Range 18, West of the Sixth Meridian, Peace River District.
- h) The works authorized to be constructed are diversion structure, pumps, pipeline and dugout, which shall be located approximately as shown on the attached sketch.
- i) The construction of the said works shall be completed and the water beneficially used prior to the 31st day of December, 2000. Thereafter the licensee shall continue to make a regular beneficial use of the water in the manner authorized herein.
- j) This licence will expire on the same date as the Land Tenure File No. 8010849 which expires on the 28th of April, 2027. Upon application, this licence may be extended for an additional term by the the Assistant Regional Water Manager or the Comptroller of Water Rights.
- k) Water withdrawal will cease, by the licensee, when the river flow is at or below 0.28 m³/s for the period of October 1st to March 31st and 0.59 m³/s for the period of April 1 to September 30th.



Uwe Finger, P.Eng.,
Assistant Regional Water Manager

Province of British Columbia
Water Act

ORDER

SECTION 18

FILE NO: 7001274

LICENCE NO: C111413

In the matter of **Conditional Water Licence 111413**, which authorizes the diversion and use of water from Kiskatinaw River for Industrial (Oilfield Injection) purpose on the Legal subdivision 2, Section 17, Township 80, Range 18, West of the Sixth Meridian, Peace River District.

Having determined that the works authorized have changed, and being satisfied that no person's rights will be injuriously affected, I hereby amend clause (h) of said licence, to read as follows:

- (h) The works authorized to be constructed are an infiltration gallery well, pump house, pumps, pipeline and dugout, which shall be located approximately as shown on the attached sketch.

Dated at the City of Prince George, British Columbia this 8th day of February, 2008.



Robert Piccini
Assistant Regional Water Manager
Northern Region

Province of British Columbia
Water Act
ORDER
WATER ACT SECTIONS 22 and 85(2)

WHEREAS, Shell Canada Energy is the holder of Conditional Water Licence C111413 (Kiskatinaw River);

WHEREAS, the Regional Water Manager considers it desirable that requirements for water use monitoring be created;

WHEREAS I, Allan Chapman, am the Regional Water Manager empowered to make orders under sections 22 and 85(2) of the **Water Act** of British Columbia;

NOW THEREFORE, I HEREBY ORDER, that Conditional Water Licence C111413, held by Shell Canada Energy, be amended to include the following:

This licensee shall keep records on:

- **actual daily water withdrawals in units of cubic metres,**

This information will be submitted to the Regional Water Manager on a quarter-annual basis, on or before January 25, April 25, July 25 and October 25, for the preceding 3 month period, in a digital comma separated value format. The requirement for reporting may be amended from time to time, as directed by the Regional Water Manager.

Dated at the City of Victoria, British Columbia, this 29th day of April, 2014.



Allan Chapman
Regional Water Manager
Oil and Gas Commission



19

20

21

Twp. 80,

Rge. 18,

18

IMP ET AL
SUNSET
8-18-80-18
(ABANDONED)

CDN OXY ET AL
SUNSET
6-17-80-18

IMP ET AL
SUNSET
15-17-80-18
(ABANDONED)

IMP ET AL
SUNSET
9-17-80-18

16

**PROPOSED
BATTERY
SITE**
2-17-80-18W

93P096
93P097

CDN OXY ET AL
SUNSET
14-8-80-18

CDN OXY ET AL
SUNSET
1-17-80-18

DUGOUT

7

IMP ET AL
SUNSET
8-7-80-18
(ABANDONED)

CDN OXY ET AL
SUNSET
14-8-80-18

CDN OXY ET AL
SUNSET
7-8-80-18

9

CANHUNTER ET AL
SUNSET
5-9-80-18

CDN OXY ET AL
SUNSET
16-6-80-18

WATER AND
GATHERING LINES

CDN OXY ET AL
SUNSET
14-5-80-18

8

6

IMP ET AL
SUNSET
8-6-80-18

5

BOUNDARY

4

OIL AND GAS LINES

WATER GROUP LINE

WATER LINE

OF



IMPERIAL OIL RESOURCES LIMITED
Scale 1:20,000



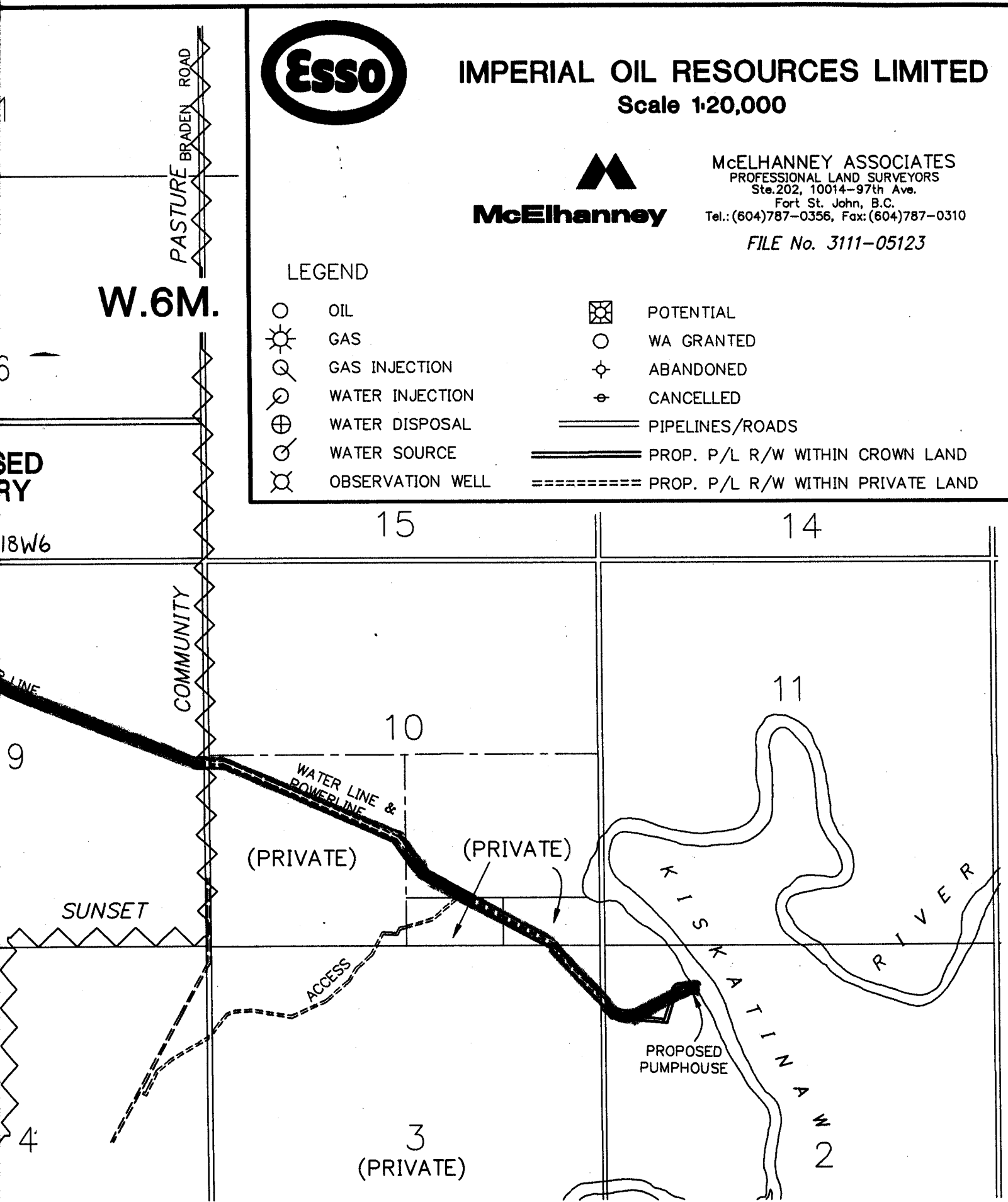
McElhanney

McELHANNEY ASSOCIATES
 PROFESSIONAL LAND SURVEYORS
 Ste.202, 10014-97th Ave.
 Fort St. John, B.C.
 Tel.: (604)787-0356, Fax: (604)787-0310

FILE No. 3111-05123

LEGEND

- | | | | |
|---|------------------|-------|-----------------------------------|
| ○ | OIL | ⊗ | POTENTIAL |
| ☀ | GAS | ○ | WA GRANTED |
| ⊗ | GAS INJECTION | ⊕ | ABANDONED |
| ⊗ | WATER INJECTION | ⊖ | CANCELLED |
| ⊕ | WATER DISPOSAL | == | PIPELINES/ROADS |
| ⊗ | WATER SOURCE | === | PROP. P/L R/W WITHIN CROWN LAND |
| ⊗ | OBSERVATION WELL | ===== | PROP. P/L R/W WITHIN PRIVATE LAND |



**PROPOSED WATER WELL
COMPOSITE**



DUVERNAY OIL CORP.

SCALE 1: 7500

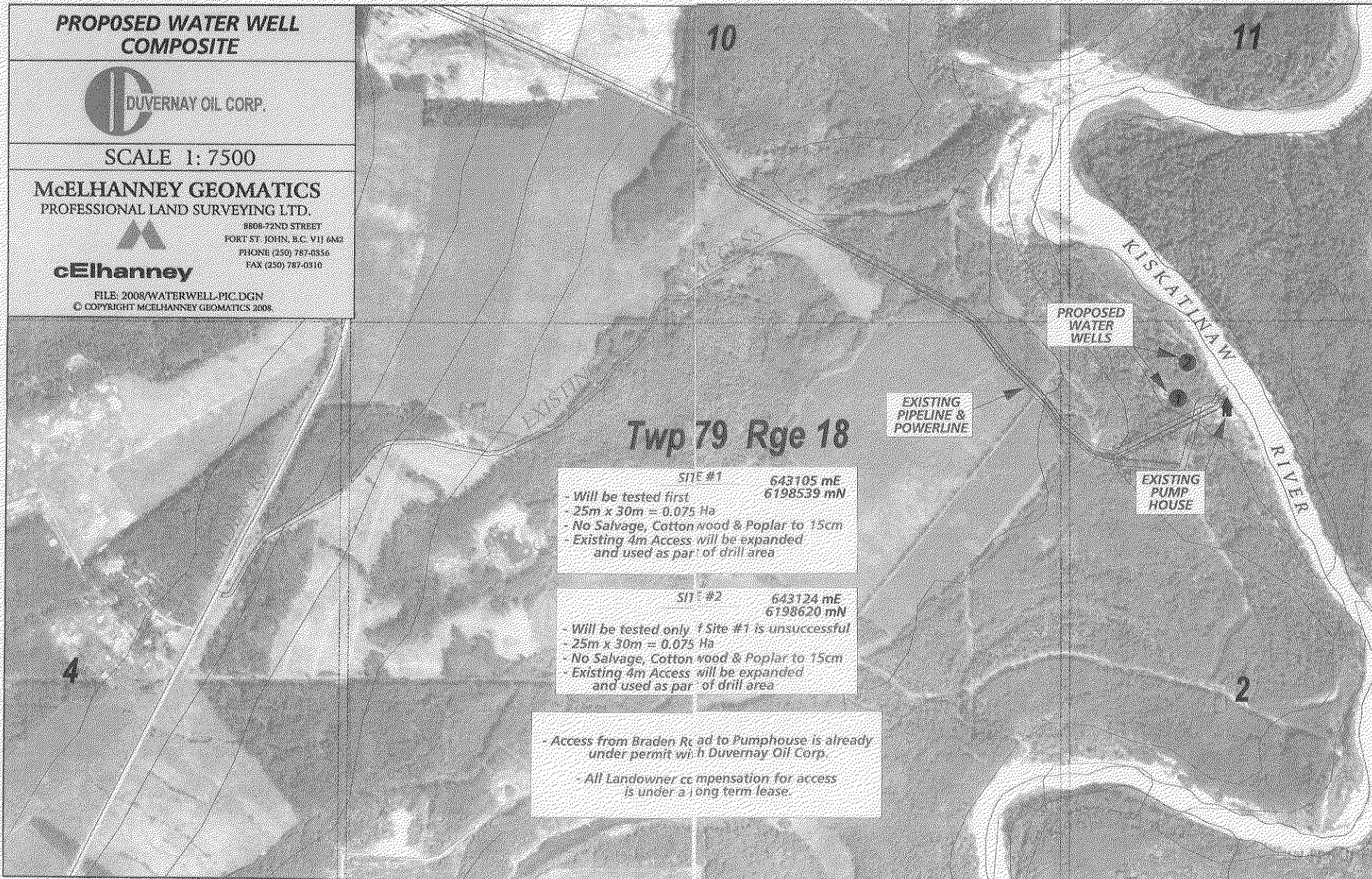
McELHANNEY GEOMATICS
PROFESSIONAL LAND SURVEYING LTD.



8608-72ND STREET
FORT ST. JOHN, B.C. V1J 6A2
PHONE (250) 787-0556
FAX (250) 787-0310

cElhanney

FILE: 2008/WATERWELL-PIC.DGN
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Twp 79 Rge 18

SITE #1 643105 mE
6198539 mN

- Will be tested first
- 25m x 30m = 0.075 Ha
- No Salvage, Cotton wood & Poplar to 15cm
- Existing 4m Access will be expanded and used as part of drill area

SITE #2 643124 mE
6198620 mN

- Will be tested only if Site #1 is unsuccessful
- 25m x 30m = 0.075 Ha
- No Salvage, Cotton wood & Poplar to 15cm
- Existing 4m Access will be expanded and used as part of drill area

- Access from Braden Road to Pumphouse is already under permit with Duvernay Oil Corp.

- All Landowner compensation for access is under a long term lease.

Province of British Columbia
Water Act
ORDER
WATER ACT SECTION 18

Licence No. C111413

In the matter of Conditional Water Licence 111413, which authorizes the diversion and use of water from the Kiskatinaw River for Industrial (Oilfield Injection) and storage purposes.

Upon reviewing the hydrologic characteristics of the Kiskatinaw River and having determined that the flow characteristics have changed from the date of original issue of said licence, I hereby amend clause (k) of said licence to read as follows:

- (k) Water withdrawal will cease, by the licensee, when the river flow is at or below $0.54 \text{ m}^3/\text{s}$ for the period of October 1st to March 31st and $0.73 \text{ m}^3/\text{s}$ for the period of April 1st to September 30th.

Dated at the City of Victoria, British Columbia, this 14th day of April, 2015.



Allan Chapman
Regional Water Manager
Oil and Gas Commission