



Province of British Columbia

Water Act

WATER LICENCE

The holder of the leases under the Petroleum and Natural Gas Act to which this licence is appurtenant is hereby authorized to divert, use and store water as follows:

- a) The stream on which the rights are granted is the Sikanni Chief River and storage is in dugouts.
- b) The point of diversion and storage sites are located as shown on the attached plan.
- c) The date from which this licence shall have precedence is March 21, 2013.
- d) The purposes for which this licence is issued are Industrial (oilfield injection) and Storage (non-power).
- e) The maximum quantity of water which may be diverted for oilfield injection is 2,993,000 cubic metres per year. Daily withdrawal will not exceed a rate of 8,000 cubic metres per day during the period of November 1 to April 15, and 12,000 cubic metres per day during the period of April 16 to October 31. The maximum quantity which may be held in storage is 274,000 cubic metres.

Withdrawals will cease when the discharge of the Sikanni Chief River as measured at the location of the Water Survey of Canada stream flow gauge 10CB001 (Sikanni Chief River near Fort Nelson) falls below 3.69 cubic metres per second.

- f) The period of the year during which water may be diverted into storage is January 1 to December 31, and the stored water may be used for the whole year.
- g) The land upon which the water is to be used and to which this licence is appurtenant is associated with Petroleum and Natural Gas lease: 862, 865, 1258, 1267, 1282, 2549, 4702, 8920, 10001, 11266, 11267, 14632, 15258, 15259, 48316, 49051, 49069, 50378, 50379, 50611, 50612, 51205, 51334, 51335, 52330, 52332, 52333, 52334, 52340, 53398, 53399, 53400, 53409, 53468, 54105, 54106, 54220, 54222, 54223, 54450, 54554, 54701, 54702, 54703, 54704, 54893, 54959, 54960, 54963, 55006, 55098, 55099, 55476, 55590, 55593, 55605, 55607, 55609, 55610, 55620, 55621, 55622, 55623, 55624, 55708, 55709, 55710, 55711, 55712, 55736, 55837, 55838, 55907, 56163, 56290, 56291, 56292, 56298, 56299, 56306, 56307, 56367, 56370, 56371, 56372, 56502, 56505, 56506, 56758, 56759, 56767, 56773, 56774, 56775, 56776, 56778, 56866, 56868, 56870, 56871, 56872, 56873, 56874,

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- h) The authorized permanent works are screened intake, infiltration gallery and embedded pipeline, which shall be located approximately as shown on the attached plan. Existing temporary works in place and authorized through a short-term water use approval are screened intake and hose.
- i) The construction of the said permanent works shall be completed and the water shall be beneficially used prior to January 1, 2015. Until such time as the said works are completed, the licensee is authorized to use existing temporary works. Thereafter, the licensee shall continue to make regular beneficial use of the water in the manner authorized herein.

- j) 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. The requirement for water use reporting may be amended from time to time, as directed by the Regional Water Manager.
- k) Design plans for the works authorized by this licence must be prepared by a professional engineer registered in the Province of British Columbia and submitted to the Regional Water Manager.
- l) The licensee must:
 - (1) Prepare a monitoring program (the program) suitable to determining any impacts to water quality of the Sikanni Chief River or its tributaries as a result of diversion and use of water under this licence.
 - (2) Implement the program to the satisfaction of the Regional Water Manager following the commencement of diversion and use of water, as authorized by this licence.
 - (3) Continue the program for the duration of time this water licence is in effect, or to the satisfaction of the Regional Water Manager, and
 - (4) Report all data collected for the environmental monitoring program 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. The requirement for reporting can be amended from time to time, as directed by the Regional Water Manager.
- m) This licence is issued under the Water Act (the Act). The exercise of rights under the licence is subject to the Act and its regulations, the terms and conditions of the licence, orders under the Act and the rights of licensees whose rights have precedence on the stream. The licensee must comply with all such requirements, as well as the provisions of all other applicable enactments. In exercising rights under the licence, the licensee must exercise reasonable care to avoid damaging land, works, trees or other property, and must make full compensation to the owners for damage or loss resulting from construction, maintenance, use, operation or failure of the works.
- n) This licence terminates on December 31, 2029. Prior to the termination date, the licensee may apply to the Comptroller of Water Rights or the Regional Water Manager in accordance with the provisions of the Water Act to amend this licence to extend its term.



Hydrologist