

November 9, 2016



File: 00382877

Bill MacLean
1949561 Alberta Ltd.
20711 5 AVE SW
EDMONTON AB T6M 2P4

Dear Mr. MacLean:

**RE: Licence under the *Water Act*
For the Purpose of Recreation (Recreation Vehicle Park)
at NW 21-039-03-W5**

Enclosed is Licence No. 00382877-00-00 authorizing the diversion of water up to a maximum of 3524.0 cubic metres of water annually from well ID 9826000 (2016 WSW) at NW 21-039-03-W5.

The *Water Act* provides a right to appeal this decision. Notice of appeal must be submitted no later than 30 days after receipt of this notice to:

Chair
Environmental Appeals Board
3RD FLOOR, PEACE HILLS TRUST TOWER
10011 – 109 ST
EDMONTON, AB T5J 3S8
Telephone: 780 427-6207
Fax: 780 427-4693

In the conditions of the Licence, water levels are not required to be taken or reported to Environment and Parks. However, you may find that collecting this information may be of benefit to you in the future. The level readings should be taken a few times during the year (record the level, the date and time of the level taking) and keep this information with your Licence. Instructions on how to build a simple, inexpensive sounder are enclosed.

Please notify Environment and Parks in writing, should there be a change in the ownership of the land to which this licence is attached.

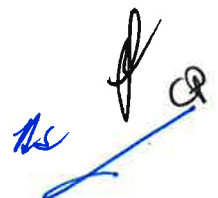
If you have any questions, please contact Laura Partridge at 403-340-7113.

Sincerely,


Cheryl Tweten
Water Application Coordinator
Regulatory Approvals Centre

Enclosure

cc: Jim Touw, Hydrogeological Consultants Ltd. (with enclosures)
Lacombe County (with enclosures)
Laura Partridge, Red Deer-North Saskatchewan Region, Red Deer Office



3903.21.3001

**LICENCE TO DIVERT WATER
PROVINCE OF ALBERTA
WATER ACT, R.S.A. 2000, c.W-3, as amended**

LICENCE NO.: 00382877-00-00

FILE NO.: 00382877

PRIORITY NO.: 2016-06-24-001

EFFECTIVE DATE: 2016 10 28

EXPIRY DATE: 2026 10 27

SOURCE OF WATER: Aquifer accessed by water well ID 9826000 (2016 WSW) at
NW 21-039-03-W5

LICENSEE: 1949561 Alberta Ltd.

Pursuant to the *Water Act*, R.S.A. 2000, c.W-3, as amended, a Licence is issued to the Licensee to:

operate a works and to divert up to 3524.0 cubic metres of water annually from the source of water for the purpose of Recreation (Recreation vehicle park)

subject to the attached terms and conditions.



Designated Director under the Act
Todd Aasen, P.Eng.
Red Deer North Saskatchewan Region

Date Signed:

2016 10 28
(Y/M/D)

DEFINITIONS

- 1.0 All definitions from the Act and the Regulations apply except where expressly defined in this Licence.
- 1.1 In all parts of this Licence:
- (a) "Act" means the *Water Act*, RSA 2000, c. W-3, as amended;
 - (b) "Application" means the written submissions to the Director in respect of application number 001-00382877 and any subsequent applications for amendments of Licence No. 00382877-00-00;
 - (c) "Aquifer" means the underground water-bearing formation that is capable of yielding water, that is accessed by the works authorized by this Licence;
 - (d) "Director" means an employee of the Government of Alberta designated as a Director under the Act;
 - (e) "Monitoring well" means the well used to monitor the water levels associated with the diversion of water authorized by this Licence;
 - (f) "Production well" means any well used to divert water for the purpose of this Licence; and
 - (g) "Regulations" means the regulations, as amended, enacted under the authority of the Act.
 - (h) "Water Use Reporting" means the secure internet website provided by Environment and Parks at <http://aep.alberta.ca/water/reports-data/water-use-reporting-system/default.aspx> for submitting measuring and monitoring results electronically to the Director.

GENERAL

- 2.0 The Licensee shall immediately report to the Director by telephone any contravention of the terms and conditions of this Licence at 1-780-422-4505.
- 2.1 The terms and conditions of this Licence are severable. If any term or condition of this Licence is held invalid, the application of such term or condition to other circumstances and the remainder of this Licence shall not be affected thereby.
- 2.2 The Licensee shall not deposit or cause to be deposited any substance in, on or around the source of water that has or may have the potential to adversely affect the source of water.

DIVERSION OF WATER

- 3.0 This Licence is appurtenant to
- (a) the undertaking, including the production well ID 9826000 at NW 21-039-03-W5 and

(b) REPORT NO. REPORT NAME
 00382877-R001 Licence a Groundwater Supply
 Last Hill RV Golf & Country Club
 Eckville Area, 12-21-039-03 W5M
 Prepared for 1949561 Alberta Ltd.
 Prepared by hydrogeological consultants ltd. (HCL)
 June 2016

- 3.1 The Licensee shall divert water only for the purpose specified in this Licence.
- 3.2 The Licensee shall divert water only from the source of water specified in this Licence.
- 3.3 The works used to divert the water authorized by this licence shall include, at a minimum the production well referred to in Report No. 00382877-R001 as the production well (2016 WSW) dated June 2016 submitted with the application.
- 3.4 The Licensee shall not exceed any of the limits specified in Table 3-1.
- 3.5 The Licensee shall not position the pump intake in the production well at a depth greater than the maximum pump intake depth specified in Table 3-1.

TABLE 3-1

WELL NUMBER	LEGAL LAND DESCRIPTION for WELL LOCATION	PRODUCTION INTERVAL (metres below grade)	MAXIMUM PUMP INTAKE DEPTH (metres below grade)	LIMITS	
				MAXIMUM RATE OF DIVERSION (cubic metres per day)	MAXIMUM ANNUAL DIVERSION (cubic metres per calendar year)
9826000	NW 21-039-03-W5	45.7 – 51.8	45.5	40.7	3524.0

- 3.6 When requested in writing by the Director, the Licensee shall equip the production well with a meter, which cumulatively measures the quantity of all water diverted during the term of this Licence when requested in writing by the Director.
- 3.7 The Licensee shall maintain the measuring device referred to in 3.6 at all times.

MONITORING AND REPORTING

- 4.0 The Licensee shall establish monitoring well(s) as and when required in writing by the Director.
- 4.1 Unless otherwise authorized in writing by the Director, the Licensee shall measure the water levels in the monitoring well(s).

4.2 When requested in writing by the Director, the Licensee shall

- (a) measure and monitor the water level; and
- (b) record the water level

in the production well on a monthly while water is being diverted.

4.3 When requested in writing by the Director, the Licensee shall

- (a) measure and monitor the total number of cubic metres of water diverted; and
- (b) record the total number of cubic metres of water diverted;

from production well on a monthly basis.

4.4 The Licensee shall ensure that the:

- (a) collection;
- (b) preservations;
- (c) storage;
- (d) handling; and
- (e) analysis

of any sample required to be taken by this Licence shall be conducted in accordance with the following when requested in writing by the Director:

- (i) the *Standard Methods for the Examination of Water and Wastewater*, published jointly by the American Public Health Association, American Water Works Association, and the Water Environment Federation, 1998, as amended.

4.5 When requested in writing by the Director, the Licensee shall:

- (a) obtain a representative sample of water being diverted from the production well; and
- (b) analyze the water collected in (a) for the following parameters:
 - (i) Total Dissolved Solids, Hardness, Alkalinity, pH, Calcium, Magnesium, Sodium, Potassium, Carbonate (CO₃), Bicarbonate (HCO₃), Sulphate (SO₄), Chloride, Nitrate and Iron; and
 - (ii) any other parameter required by the Director;

on an annual basis.

- 4.6 When requested in writing by the Director, the Licensee shall record and retain all of the following information:
- (a) the place, date and time of all monitoring, measuring and sampling;
 - (b) the results obtained pursuant to 4.2, 4.3, and 4.5;
 - (c) the name of the individual who conducted the monitoring, measuring and sampling stipulated in (a) and (b).

COMPLAINT INVESTIGATION

- 5.0 The Licensee shall:
- (a) provide to all water users, within a distance specified in writing by the Director from the production well, the contact name(s) and telephone numbers of the Licensee or representative(s);
 - (b) investigate all written complaints accepted by the Director relating to allegations of surface water and groundwater interference as a result of the operation of the production well;
 - (c) provide a written report to the Director, within a time specified in writing by the Director, detailing the results of the investigation relating to the complaint accepted by the Director in 5.0 (b) including:
 - (i) recommendations to remediate and/or mitigate the impact(s) such as:
 - A. lowering the intake of the pump to compensate for a drop in water level,
 - B. re-drilling the water well to an increased depth so as to allow the pump to be installed at a lower depth,
 - C. drilling a new well, or
 - D. providing an alternate water supply; and
 - (ii) any other information required by the Director.
- 5.1 The Licensee shall satisfy the Director that the report submitted pursuant to 5.0 has identified remedial and/or mitigative measures relating to the alleged interference.

RECLAMATION

- 6.0 The Licensee shall reclaim all abandoned wells or other holes related to the water diversion in accordance with the Act and the Regulations.
- 6.1 The Licensee shall submit a reclamation report to the Director documenting the actions taken under 6.0 within 90 days after the reclamation is complete.



Designated Director under the Act
Todd Aasen, P.Eng.
Red Deer North Saskatchewan Region

Date Signed:

2016 10 28
(Y/M/D)