



Alberta

ENVIRONMENT

LICENCE to DIVERT AND USE WATER

Pursuant to the
WATER RESOURCES ACT

File No. 16462

Priority No. 1975-01-30-01
1975-01-30-04
1979-10-26-01

Purpose Municipal

Drainage Basin Bow River

First Issued 1986 04 29

Elbow River Estates Co-operative Ltd.
Box 6, Site 6, R.R. 1
Calgary, Alberta
T2P 2G4

HAVING COMPLIED with the applicable provisions of the Water Resources Act and the regulations thereunder and Interim Licence No. 08117 a copy of which is attached hereto and incorporated herein.

IS HEREBY GRANTED LICENCE to divert and use the quantities of water prescribed in the Interim Licence in accordance with and subject to all other applicable provisions of that Act and the regulations thereunder, and the terms and conditions attached hereto and incorporated herein, at locations described in the Interim Licence,

BY MEANS AND THROUGH works and undertakings described in the Interim Licence.

1986 04 29

Date

0144s



ENVIRONMENT

UPDATED AND RE-ISSUED INTERIM LICENCE

Pursuant to Section 18
THE WATER RESOURCES ACT

Issued to: Elbow River Estates Co-operative Ltd.
Box 11, Site 6, R.R. 1
Calgary, Alberta
T2P 2G4

No. 08117

File No. 16462

Priority No. 1975-01-30-01 & -04
1979-10-26-01

This updated and re-issued Interim Licence particularizes the rights, privileges and obligations embodied in and associated with the original Interim Licence as numbered above, or with any other form of authorization or approval issued in connection with the project identified herein under any former applicable Act or regulation, and updates same to conform to and comply with the current Act, regulations and standards.

In particular this Interim Licence provides for the right to:

- A. Construct, maintain and operate works as shown on current plans and reports filed, approved and identified in departmental records as:

See attached List of Approved Plans and Reports

- B. Divert and use water as hereinafter specified and described subject to the terms and conditions attached hereto and incorporated herein:

PURPOSE: Municipal (Subdivision Water Supply)

SOURCE OF SUPPLY: Aquifer

GROSS DIVERSION: Up to 33 acre-feet* (9.2 million Canadian gallons)
per annum consisting of:

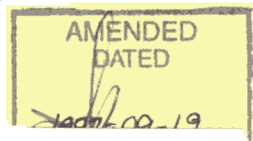
1. Estimated Consumptive Use: 9.2 million gallons
2. Estimated Losses: NIL
3. Estimated Return Flow: NIL

** AMENDED
DATED

1990 02 05

POINT OF DIVERSION	WELL NUMBER	PRODUCTION INTERVAL	MAXIMUM PUMP RATE	MAXIMUM ANNUAL DIVERSION
6-11-24-3-5	75-01-30-01	60'-80'	80 Cgpm	**6.8
6-11-24-3-5	75-01-30-04	65'-90' ***52' - 93'	60 Cgpm	9.2 mCg Standby **2.2 mCg

*25 acre-feet with priority from 30 January, 1975
8 acre-feet with priority from 26 October, 1979



Date first issued 1975 08 06

Date re-issued 1984 03 21

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TERMS AND CONDITIONS INTERIM LICENCE NO. 08117

1. The production well(s) shall meet the following criteria:

~~(a) Constructed so as to permit water level readings to be taken once per month while the pump is operating.~~

Equipped with a cumulative meter which registers the number of gallons or cubic metres pumped.

2. If deemed necessary by the Controller of Water Resources the licensee shall obtain water samples for purposes of chemical analyses from the production well(s). The analyses must include total dissolved solids, pH, Ca, Mg, Na + K, CO₃, HCO₃, SO₄, Cl, Fe and NO₃.
3. If deemed necessary by the Controller of Water Resources, the licensee may be required to install an observation well or wells, completed in the same aquifer as the production well(s), to provide data for the evaluation of the effect of this withdrawal on the aquifer and the effect on other ground water users.
4. The licensee shall submit an annual return to the Controller of Water Resources on or before January 31 in each year for the preceding calendar year including:

Tables containing:

~~(1) Monthly measurement of the water level in the pumping well(s) as per clause(s) 1(a). The dates and times at which readings were taken must be included.~~

(2) Monthly readings of the number of Canadian gallons or cubic metres pumped from the well(s) as per clause(s) 1(b). The dates and times at which readings were taken must be included.

The total annual quantity pumped expressed in Canadian gallons and acre-feet or in cubic metres.

and such other information as may from time to time be required.

5. When requested to do so by the Controller of Water Resources, the licensee shall have the annual return detailed in clause 4 prepared, in whole or in part, by a qualified ground water consultant who is a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
6. The rights and privileges hereby granted are subject to periodic review and to modification to ensure the most beneficial use of the water in the public interest and more particularly to ensure preservation of the rights of other water users.

7. The rights and privileges hereby granted can only be extended, modified, transferred or assigned with the approval of the Controller of Water Resources and are subject to cancellation or modification as provided in the Water Resources Act.
8. Following completion of the works herein authorized this interim licence and its terms and conditions shall be attached to and become part of the licence to use water issued under provisions of Section 33 of the Water Resources Act.

1984 03 21

Dated at Edmonton

LIST OF APPROVED PLANS AND REPORTS - INTERIM LICENCE NO. 08117

PLANS

<u>W. R. NO.</u>	<u>TITLE</u>
16462-1	Proposed Water Well Location
16462-2	General Arrangement of Water Utility System
16462-3	Proposed Water Supply Reservoir and Treatment Facilities - General Arrangement
16462-4	General Arrangement at Well House
16462-5	Proposed Water Supply, Reservoir Structure
16462-6	Supply System Details (Piping)
16462-7	Approximate Water Well Location Elbow River Estates Co-operative Ltd. LSD 6-11-24-3-5

REPORTS

<u>W. R. NO.</u>	<u>TITLE</u>
16462-R2	Production Well Installation Elbow River Estates
16462-R5	New Well, SW 11-24-3W5 and Testholes SW 12-24-3W5

1984 03 21
Dated at Edmonton