



February 19, 2019

8157-2800-32640-02

Brett Ferguson, P. Eng.
Senior Development Engineer
Encana Services Company Ltd.
500 Centre Street SE, PO Box 2850
Calgary, Alberta T2P 2S5

Dear Mr. Ferguson,

**RE: EXTENDED INJECTIVITY TEST
ECA HZ TOWER 03-01-81-18 W6M; WA# 32400
TOWER LAKE FIELD – CADOMIN FORMATION**

Commission staff have reviewed the application from Encana Services Company Ltd, on behalf of Encana Corporation, dated February 5th, 2019, requesting an extended injectivity test of 3,500 m³ into the Cadomin formation of the subject well.

The subject horizontal well was drilled in December of 2018 for the purpose of disposal into the Cadomin formation. An extended injectivity test is requested in order to assess the disposal capability of the well, and to assess wellsite facility requirements.

Attached please find **Order 19-02-005**, designating an area in the Tower Lake field, Cadomin formation, as a Special Project under section 75 of the Oil and Gas Activities Act, for the temporary operation and use of a storage reservoir for the injection of produced water. This authorization does not warrant that a future disposal approval will be issued.

Additional general information regarding disposal wells is available on the Commission's website at <http://www.bcogc.ca/industry-zone/documentation/Subsurface-Disposal>.

Should you have any questions, please contact Michelle Gaucher at (250) 419-4482 or Ron Stefik at (250) 419-4430.

Sincerely,

A handwritten signature in black ink, appearing to read "Ron Stefik", written over a horizontal line.

Ron Stefik, Eng. L.
Supervisor, Reservoir Engineering
Oil and Gas Commission

Attachment



IN THE MATTER of the application from Encana Services Company Ltd. on behalf of Encana Corporation, to the Oil and Gas Commission (Commission), dated February 5th, 2019 for an extended injectivity test:

ORDER 19-02-005

1 Under Section 75(1)(d) of the *Oil and Gas Activities Act*, the Commission designates the temporary operation and use of a storage reservoir for the injection of fresh water or produced water, including flowback from fracturing operations, in the Tower Lake field – Cadomin formation as a special project in the following area:

DLS Twp 80 Rge 17 W6M Section 31 – Lsds 3 - 6, 11 - 14
 Twp 80 Rge 18 W6M Section 36 – Lsds 9, 10, 15, 16

2 Under section 75(2) of the *Oil and Gas Activities Act*, the special project designation in this Order is subject to the following conditions. The Permit Holder shall:

- a) Inject water into the well ECA HZ Tower 03-01-81-18; WA# 32400 Cadomin formation from 1,556.0 – 1,299.5 mKB MD.
- b) Not exceed an injection pressure, measured at the wellhead on the subject well, of 15,800 kPag or the pressure required to fracture the formation, whichever is lesser.
- c) If the fluid injected is not fresh water, inject only through tubing with a packer set as near as is practical above the injection interval.
- d) The total volume of injected water must not exceed 3,500 m³.



Ron Stefik, Eng. L.
Supervisor, Reservoir Engineering
Oil and Gas Commission

DATED AT the City of Victoria, in the Province of British Columbia, this 19th day of February, 2019.