

March 25, 2025

8100-4580-32640-02

Craig Wiebe
Albright Flush Systems Ltd.
PO Box 6148
Fort St. John, BC V1J 4H6

Dear Mr. Wiebe:

**RE: PRODUCED WATER DISPOSAL SPECIAL PROJECT APPROVAL
ABT W STODDART B6-34-86-21 (WA# 12261)
STODDART WEST FIELD – NORTH PINE ‘D’ POOL**

The Regulator has reviewed the application submitted by Albright Flush Systems Ltd. dated November 15th, 2024, requesting approval for disposal of produced water into the Stoddart West field North Pine ‘D’ pool via the subject well.

The subject well was initially drilled in 1999, completed in the North Pine D pool and placed on water injection to support oil production from the well 10-34-86-21 (WA 7576). In 2003 injection was curtailed due to water breakthrough and the waterflood cancelled. In 2005, the well was approved for disposal under Order 05-02-003, and the pool for concurrent production under approval Order 05-07-001. The well continued injection until 2008, achieving a cumulative injection/disposal volume of 71,180 m³. Suspended in 2010, the disposal approval was cancelled in 2019 and the well decommissioned in 2021. Production from the pool ceased in April 2010. The concurrent production approval was cancelled in 2022. In 2024, the subject well was re-entered and re-completed in the North Pine for disposal.

Attached please find **Order 25-02-005**, designating an area in the Stoddart West field, North Pine ‘D’ pool, as a Special Project under section 75 of the Energy Resource Activities Act, for the operation and use of a storage reservoir for the injection of produced water. This Order includes a number of detailed operational, measurement and reporting conditions. Disposal wells are subject to regular field inspection and audit. Contravention of a condition of this Order may be subject to enforcement under section 62 of ERAA, or suspension or cancellation of the Order under section 75(2)(b).

For the inspection requirement of Order condition 2I), please arrange via email to OGCPipelines.Facilities@bcogc.ca.

Disposal of fluid with high total dissolved solids content requires adjustment of the wellhead injection pressure to remain below formation fracture pressure. It is the responsibility of the permit holder to make adjustments to wellhead injection pressure.

Should you have any questions, please contact Logan Gray at (250) 419-4465.

Sincerely,



Ron Stefik, P.L.Eng.
Supervisor, Reservoir Engineering
BC Energy Regulator

Attachments



IN THE MATTER of the application from Albright Flush Systems Ltd. dated November 15th, 2024, requesting disposal approval:

ORDER 25-02-005

1. Under Section 75(1)(c.1) of the Energy Resource Activities Act, the Regulator designates the operation and use of a storage reservoir for produced water, including flowback from fracturing operations, in the Stoddart West field – North Pine ‘D’ pool as a special project in the following area:

DLS Twp 86 Rge 21 W6M Section 34 LSDs 3-6

2. Under section 75(2) of the Energy Resource Activities Act, the special project designation in this Order is subject to the following conditions. The Permit Holder shall:
 - a) Inject produced water into the well *ABT W Stoddart B6-34-86-21*; WA# 12261 North Pine ‘D’ pool from 1,492.3 – 1,494.8 mKB.
 - b) Not exceed an injection pressure, measured at the wellhead on the subject well, of 12,400 kPag or the pressure required to fracture the formation, whichever is lesser.
 - c) Inject only through tubing with a packer set as near as is practical above the injection interval.
 - d) Continually measure and record the wellhead casing and tubing pressures electronically.
 - e) Alarm the casing-tubing annulus pressure monitoring system to indicate when casing pressure varies outside the normal operating range.
 - f) Cease injection and notify the Regulator at Reservoir@bc-er.ca immediately if there are any indications that hydraulic isolation is lost in the wellbore or formation.
 - g) Conduct and submit an annual Surface Casing Vent Flow test to the Regulator within 30 days of the completion of the test.
 - h) Conduct an annual reservoir pressure test on the formation in the subject well, with a shut-in period of sufficient length to provide data for calculation of the reservoir pressure, and submit a report of the test within 60 days of the end of the test.
 - i) Cease injection upon reaching a maximum formation pressure of 13,175 kPaa, measured at 1,493.6 mKB.
 - j)
 - i) Perform a casing inspection log on the subject well and submit results to the Regulator within 30 days of the completion of logging, at an interval of not more than every 10 years, commencing from the date of initial disposal.
 - ii) Perform a hydraulic isolation temperature log on the subject well and submit results to the Regulator within 30 days of the completion of logging, at an interval of not more than every 5 years, commencing from the date of initial disposal.
 - k) Not conduct a hydraulic fracture stimulation on any formation in the subject well without prior Regulator approval.
 - l) Complete an inspection, satisfactory to the Regulator, within 4 weeks of initial disposal operations.

Ron Stefik, P.L.Eng.
Supervisor, Reservoir Engineering
BC Energy Regulator

DATED AT the City of Victoria, in the Province of British Columbia, this 25th day of March 2025.



Advisory Guidance for Order 25-02-005

- I. A production packer must be set above the injection interval and the space between the tubing and casing filled with corrosion and frost inhibiting fluids, as per section 16(2) of the Drilling and Production Regulation.
- II. Annual packer isolation tests are required to be conducted and the associated report must be submitted to the Regulator within 30 days of test completion, as per section 16(3) of the Drilling and Production Regulation.
- III. Injected fluids must be metered and the injection pressure measured at the wellhead, as per section 74 of the Drilling and Production Regulation.
- IV. A monthly disposal statement including the volume of disposal fluid, maximum wellhead injection pressure, and total operating hours must be submitted to the Regulator via Petrinex not later than the 20th day of the month following the reported month, as per section 75 of the Drilling and Production Regulation.
- V. Seismic events must be reported and disposal operations suspended as per section 21.1 of the Drilling and Production Regulation.