



In consideration of Decision Summary LA21044, Authorization LA21044 is issued to:

Name: P&H Wessels Farms and Pieter Wessels (the “co-permit holders”)
Address: Box 1511 Fort Macleod AB T0L 0Z0
Contact person: Pieter Wessels

Permitted construction (based on the submitted site plan):

- Permit existing pens 1-3 (formerly used as part of a seasonal feeding and bedding site)
- Synthetic lined catch basin for pens 1-3 (22.5 m x 20 m x 2.5 m deep)

The co-permit holders shall comply with the requirements of the *Agricultural Operation Practices Act* (AOPA) and the regulations passed pursuant to that act.

The permit holder shall adhere to the descriptions contained in the filed application together with the site plan, engineering report and other attached documents, unless otherwise noted in the following conditions.

The permit holder shall contact the NRCB at least 10 working days in advance of the desired inspection date to schedule the inspection in condition 4.

The permit holder is responsible for all costs associated with monitoring, sampling, testing, recording and reporting requirements.

Construction conditions

Catch basin

1. The co-permit holders shall complete construction of the catch basin prior to November 30, 2022. Upon written request this deadline may be extended by the NRCB.
2. The co-permit holders shall immediately cease construction of the catch basin and contact the NRCB if the water table is observed to be 1 m or less from the bottom of the catch basin’s liner at the time of construction.

Leachate collection system

3. The co-permit holders shall install a leachate collection system under the synthetic liner of the catch basin. The system must be designed by a professional engineer to detect failures in the catch basin’s synthetic liner and must be constructed so that any leachate will be collected in a sump which can be monitored at any time. The system must be approved in writing by the NRCB prior to construction of the catch basin.

Catch basin fence

4. As proposed, the co-permit holders must ensure that the catch basin, is fenced to protect the liner from livestock and equipment damage. This must be completed prior to the construction completion inspection identified in condition 6.



Construction completion report

5. The co-permit holders shall provide the NRCB with a written construction completion report for the catch basin. The report must be stamped and signed by a “professional engineer”, as defined in the Standards and Administration regulation, and must:
- Confirm the catch basin is constructed at the location specified in the site plan provided with the application
 - Confirm that the catch basin has been constructed in accordance with the proposed design
 - Confirm that the liner material used for the catch basin is 60mil HDPE
 - Confirm the size of the catch basin, including depth below grade
 - Confirm that the synthetic liner is installed in accordance with the liner manufacturer’s requirements, including under liner surface preparation and proper sealing of all seams
 - Confirm that the approved leachate collection system is installed in accordance with the terms and conditions of this permit.

Construction completion inspection

6. The co-permit holders shall not place manure or allow livestock in feedlot pens 1 – 3 or allow manure contaminated runoff into the synthetic lined catch basin until conditions 3, 4 and 5 have been met and the catch basin has been inspected by NRCB personnel and determined by them, in writing, to have been constructed in accordance with the terms and conditions of this permit.

Operating conditions

Catch basin leachate collection system monitoring

7. Unless otherwise specified by the NRCB in writing, the leachate collection system required by condition 5 above, must be monitored by the co-permit holders annually in the spring and fall starting in 2022.

In the event that damage to the catch basin liner is identified, or leachate is detected in the leachate collection system, the NRCB must be notified immediately.

Water well monitoring

8. The co-permit holders shall sample and test raw groundwater from water well #1250901 and 2028608, according to water well monitoring requirements prescribed by the NRCB in writing. The NRCB may, based on the monitoring results and at its discretion, revise those requirements from time to time, in writing.

This authorization becomes effective immediately and needs to be read in conjunction with previously issued approval LA20001. The authorization conditions will remain in effect unless amended in writing by the NRCB.

October 1, 2021

(Original signed)
Andy Cumming
Approval Officer