



In consideration of Decision Summary LA23039, Authorization LA23039 is issued to:

Name: Hutterian Brethren Church of Mountainview (the "permit holder")
Address: Box 2187, Strathmore AB T1P 1K2
Contact person: Jack Tschetter

Permitted construction (based on the submitted site plan):

Two cell earthen liquid manure storage (EMS):

- Cell 1: 73.9 m x 69.4 m x 2.1 m deep,
- Cell 2: 72.4 m x 34.4 m x 2.1 m deep

The permit holder 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 LA23039, together with the site plan, building plans, engineering reports and other attached documents, and Approval LA22019 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.

Construction conditions

Construction completion report

1. The permit holder shall retain a professional engineer to supervise the construction of the two cells to ensure the compacted soil's moisture content is $\geq 2\%$ more than the optimum moisture content and density testing has been conducted appropriately for each lift and that the final thickness of the compacted soil liner is a minimum of 1.5 m.
2. The permit holder shall submit a completion report, prepared and stamped by a professional engineer, certifying the following:
 - a. that the two-cell earthen liquid manure storage has been constructed at the approved location,
 - b. that all setbacks have been met,
 - c. that the final dimensions including inside and outside slopes meet section 14 of the Standards and Administration Regulations,
 - d. that the liner was constructed with the same liner material as used for hydraulic conductivity testing,
 - e. that the compacted soil's moisture content was $\geq 2\%$ more than the optimum moisture content
 - f. that density testing was conducted for each lift of the compacted soil liner with the test results included,
 - g. that the thickness of the liner is a minimum of 1.5 m and



- h. that all construction procedures as outlined above have been followed and AOPA's liner requirements have been met.

Water table

3. The permit holder shall notify the NRCB immediately if the water table is within 1 m of the construction zone.

Liner protection

4. The permit holder shall not allow the establishment of deep rooting vegetation (including shrubs and trees) in the vicinity of the new two-cell hog EMS.

Construction completion deadline

5. The permit holder shall complete construction of the two-cell earthen liquid manure storage prior to December 31, 2026. Upon request, this deadline may be extended by the NRCB in writing.

Post construction inspection

6. The permit holder shall not allow manure to enter the two-cell earthen liquid manure storage until the NRCB has received the final construction report, has inspected the facility, and stated in writing that the facility has been constructed in accordance with this authorization.

Closure/Decommissioning of the old hog EMS

7. The permit holder shall decommission the old hog EMS according to Technical Guideline Agdex 096-90 for liquid manure storage facilities posing a high risk to groundwater:
- the decommissioning must occur within one year of completion of the new two-cell EMS
 - the NRCB must be notified before the over-excavation of the EMS begins
 - refilling of the over-excavated old hog EMS with appropriate soil materials must occur immediately after completion of the excavation process
 - the NRCB must be notified immediately once the decommissioning is complete.

This authorization becomes effective immediately and needs to be read in conjunction with previously issued permit Approval LA22019. The authorization conditions will remain in effect unless amended in writing by the NRCB.

November 29, 2023

(Original signed)
Carina Weisbach
Approval Officer