



Total permitted animal capacity from all permits for this site:

160 Milking cows (plus dries and associated replacements)
900 Beef finishers
225 Sows farrow to finish
35,000 Chicken layers
800 Chicken broilers
800 Ducks
60 Geese

In consideration of Decision Summary LA21041, Approval LA21041 is issued to:

Name: New Elm Hutterian Brethren (the "permit holder")
Address: Box 130, Magrath AB T0K 1J0
Contact person: Sam Entz

Permitted construction (based on the submitted site plan):

- Dairy barn – 126.2 m x 45.7 m (414 ft. x 150 ft.)
- Solid manure storage pad – 91.4 m x 106.7 m (300 ft. x 350 ft.)
- Calf barn – 33.52 m x 13.10 m (110 ft. x 43 ft.)

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 LA21041, together with the site plan, building plans, engineering reports and other attached documents, and Approval LA18018, 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 inspections in conditions #8, 9, and 10.

Construction conditions

Concrete (report and specifications)

Dairy barn and in-barn pit

1. The permit holder shall provide proof, prepared by a qualified third party, that the concrete used to construct the liner of the dairy barn in-barn pit to meet the specification for category B (liquid manure shallow pits); and category D (solid manure – dry) for the manure collection and storage portions of the dairy barn as stated in Technical Guideline Agdex 096-93 "Non-Engineered Concrete Liners for Manure Collection and Storage Areas."

Water table

2. The permit holder shall immediately cease construction of the in-barn pit and contact the NRCB if the water table is observed to be within one meter or less from the bottom of the facility.



Solid manure storage pad

3. The permit holder shall provide the NRCB with a written construction completion report for the solid manure storage pad. The report shall be stamped and signed by a “professional engineer,” as defined in the Standards and Administration Regulation, and shall
 - Certify that the solid manure storage pad was constructed at the location specified in the site plan provided with the application;
 - Certify that the liner material used in the solid manure storage pad is the same material that was submitted for hydraulic conductivity testing;
 - Provide the in-situ density test results of the constructed solid manure storage pad liner.

Calf barn

4. The concrete used to construct the manure storage and collection system in the calf barn must have a minimum 28-day strength of 25 MPa. The permit holder shall provide a copy of the concrete supplier’s invoice or other proof to the NRCB to confirm the specifications of the concrete used in the construction. This document must be provided to the NRCB prior to the inspection referenced in condition 10 below or by a later date stated by the NRCB.

Construction completion deadline

Dairy barn and in-barn pit

5. The permit holder shall complete construction of the manure collection and storage portions of the dairy barn and in-barn pit prior to December 31, 2024. Upon request, this deadline may be extended by the NRCB in writing.

Solid manure storage pad

6. The permit holder shall complete construction of the solid manure storage pad prior to December 31, 2024. Upon request, this deadline may be extended by the NRCB in writing.

Calf barn

7. The permit holder shall complete construction of the manure collection and storage portions of the calf barn prior to December 31, 2024. Upon request, this deadline may be extended by the NRCB in writing.



Post construction inspection

Dairy barn and in-barn pit

8. The permit holder shall not place livestock or manure in the dairy barn and in-barn pit until the NRCB has inspected the facilities and stated in writing that they have been constructed in accordance with this approval.

Solid manure storage pad

9. The permit holder shall not place manure on the solid manure storage pad until the NRCB has inspected the facility and stated in writing that the facility has been constructed in accordance with this approval.

Calf barn

10. The permit holder shall not place livestock or manure in the calf barn until the NRCB has inspected the facility and stated in writing that the facility has been constructed in accordance with this approval.

Operating conditions (carried forward from Approval LA18028)

11. All manure applied to the described lands, NE 15-4-22-W4, Section 22-4-22-W4, Section 23-4-22-W4, and Section 14-4-22-W4, shall be incorporated within 48 hours of land application.
12. No liquid manure shall be applied within 30 meters of a common body of water.
13. The collection sumps for the leachate collection system installed under the floor of the above ground steel liquid manure storage tank must be checked for leachate annually before October 31st of each year until amended by the NRCB in writing. If leachate is detected, it must be reported to the NRCB within one week of it being detected. The operator may be required to undertake additional actions to address issues if leachate is detected during the annual checks.

This approval becomes effective immediately. The approval conditions will remain in effect unless amended in writing by the NRCB.

Approval LA18028 is hereby cancelled and is no longer in effect, unless Approval LA21041 is held invalid, in which case the previous permit will remain in effect.

November 24, 2021

(Original signed)
Carina Weisbach
Approval Officer



Approval LA21041 – Appendix

Existing permitted facilities

Permit number	Facilities
LA17026	Layer barn – 80.5 m x 26.3 m Attached manure storage – 13.7 m x 21.3 m
LA14032	Quarantine barn – 16 m x 2.5 m
LA05018A	Hog barn load out – 38 m x 14 m
LA03007	Liquid manure steel storage
Grandfathered facilities	Dairy barn – 60 m x 20 m 4 dry cow pens with shed – 43 m x 40 m Feedlot with shed – 130 m x 75 m Catch Basin – 50 m x 12 m x 2.7 m deep 4 Hog barns (feeder: 70 m x 16 m; feeder 40 m x 16 m; farrow: 50 m x 16 m; dry sow: 30 m x 16 m) Broiler barn – 45 m x 12 m Layer barn – 45 m x 12 m

Construction Conditions (brought forward from Authorization LA03007)

1. Steel Liquid Manure Storage
 - a. The steel liquid manure storage is to be constructed as per submitted engineered plans with the application.
 - b. A professional engineer is to provide a Certificate of Compliance to the NRCB for steel liquid manure storage upon completion of the same.
2. Leak Detection System
 - a. Three leakage detection wells as per submitted design must be placed around the perimeter and through or below the footings of the bottom of the proposed steel storage for liquid manure. These wells must be monitored on an annual basis. Indicator parameters will include Total Dissolved Solids, Electrical Conductivity, Ammonia, Nitrate Nitrogen, Total Kjeldahl Nitrogen and E-Coli.
3. Inspections
 - a. The proposed facility is to be inspected by the NRCB upon completion of construction and prior to its use.
 - b. NRCB will, as necessary, inspect the proposed facility during construction to ensure compliance with the stated conditions.

Construction conditions (brought forward from Authorization LA05018A)

1. Concrete Manure Storage – Floors and Gutters
 - a. The concrete manure storage must be completed according to submitted plans.



2. Completion Reports

- a. The applicant must provide a completion report signed by a qualified professional verifying the barn floor and gutters were constructed according to plans.

3. Inspections

- a. The concrete manure storages in the barns, must be inspected by NRCB personnel prior to animals being placed in the barns or manure being placed in the storages.
- b. The applicant must provide the Approval Officer a minimum of 10 working days' notice prior to the applicant's desired completion inspection.

Construction Conditions (brought forward from Authorization LA14032)

1. The concrete used to construct the manure storage and collection system in the quarantine barn must have a minimum 56-day strength of 32 MPa. The permit holder shall provide a copy of the concrete supplier's invoice or other proof to the NRCB to confirm the specifications of the concrete used in the construction. This document must be provided to the NRCB prior to the inspection referenced in condition 3 below, or by a later date stated by the NRCB.
2. The permit holder shall seal all wall-floor joints and extrusions with silkaflex or other suitable sealant. Proof shall be provided to the NRCB prior to the inspection referenced in condition 3 below, or by a later date stated by the NRCB.
3. The permit holder shall complete construction of the manure collection and storage portions of the CFO facility prior to July 30, 2015. Upon request, this deadline may be extended by the NRCB in writing.
4. The permit holder shall not place livestock or manure in the quarantine barn until the NRCB has inspected the facility and stated in writing that the facility has been constructed in accordance with this authorization.

Construction conditions (brought forward from Approval LA17026)

1. The permit holder shall complete construction of the manure collection and storage portions of the chicken layer barn and manure storage prior to December 31, 2019. Upon request, this deadline may be extended by the NRCB in writing.
2. The concrete used to construct the manure storage and collection system in the new barn and manure storage must have a minimum 56-day strength of 30 MPa. The permit holder shall provide written proof to the NRCB to confirm the specifications of the concrete used in the construction. This document must be provided to the NRCB prior to the inspection referenced in condition 3 below or by a later date stated by the NRCB.
3. The permit holder shall not allow livestock or manure in the chicken layer barn and manure storage until the facilities have been inspected by NRCB personnel and confirmed by them, in writing, to have been constructed in accordance with the terms and conditions of this permit.