



**Total permitted animal capacity from all permits for this site:**

100 dairy milking cows (plus dries and replacements)  
19,000 chicken layers (plus associated pullets)  
6,000 chicken broilers  
500 sows farrow to finish  
1,000 ducks  
200 beef finishers  
50,000 turkeys

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In consideration of Decision Summary LA23029, Approval LA23029 is issued to:

Name: Greenwood Hutterian Brethren (the “permit holder”)  
Address: Box 1510, Fort Macleod AB T0L 0Z0  
Contact person: Daniel Waldner

**Permitted construction** (based on the submitted site plan):

- Three turkey barns
  - Turkey barn 1 and 2 - 152 m x 29 m each (500 ft. x 95 ft.) (north and south barn/feeder barns)
  - Turkey barn (center)/brooder barn – 152 m x 18.3 m (500 ft. x 60 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 LA23029, Authorization LA17009, and Approval LA16026 together with the site plan, building plans, 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 inspections in conditions # 3, 6, and 9.

**Construction conditions**

**Turkey barn 1 (north)**

**Concrete**

1. The concrete used to construct the manure storage and collection system in the 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 #3 below or by a later date stated by the NRCB.

**Construction completion deadline**

2. The permit holder shall complete construction of the manure collection and storage portions of the new turkey barn prior to December 31, 2026. Upon request, this deadline may be extended by the NRCB in writing.



Post construction inspection

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

**Turkey barn 1 (center)**

Concrete

4. The concrete used to construct the manure storage and collection system in the 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 #6 below or by a later date stated by the NRCB.

Construction completion deadline

5. The permit holder shall complete construction of the manure collection and storage portions of the new turkey barn 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 place livestock or manure in the new turkey barn until the NRCB has inspected the facility and stated in writing that the facility has been constructed in accordance with this approval.

**Turkey barn 1 (south)**

Concrete

7. The concrete used to construct the manure storage and collection system in the 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 #9 below or by a later date stated by the NRCB.

Construction completion deadline

8. The permit holder shall complete construction of the manure collection and storage portions of the new turkey barn prior to December 31, 2026. Upon request, this deadline may be extended by the NRCB in writing.



Post construction inspection

9. The permit holder shall not place livestock or manure in the new turkey 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 LA16026)**

10. Manure may not be spread within the setbacks in AOPA or within:
  - 10 m of a property line without the written permission of the adjacent land holder
  - 10 m of any public roadway or ditch
  - 450 m of any dwelling not occupied by the operator of the intensive livestock operation or employee
  - 50 m of a water course, surface water, or any domestic well or water supply.
11. The NRCB is to be notified immediately if there is an overflow or leak from any of the manure storages.
12. Manure must not be spread on frozen or snow covered ground.
13. Liquid manure must be directly injected.

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

Approval LA16026 and Authorization LA17009 are hereby superseded, and their content consolidated into this Approval LA23029, unless Approval LA23029 is held invalid following a review and decision by the NRCB's board members or by a court, in which case Approval LA16026 and Authorization LA17009 will remain in effect.

July 25, 2023

(Original signed)  
Carina Weisbach  
Approval Officer



**Approval LA23029 – Appendix**

**Existing Permitted Facilities**

Authorization LA17009	<ul style="list-style-type: none"> <li>• Pullet barn (total dimensions: 59.7 m x 9.1 m, includes pullet barn (45.7 m x 9.1 m), pullet barn manure storage (9.1 m x 10.4 m) and ancillary structures (office, entrance and wash area (9.1 m x 3.7 m))</li> </ul>
Approval LA16026	<ul style="list-style-type: none"> <li>• Manure storage for chicken layer barn (12.8 m x 11.0 m)</li> <li>• Addition to egg-handling area as an ancillary structure (7.3 m x 3.7 m)</li> </ul>
Authorization LA06009	<ul style="list-style-type: none"> <li>• Farrowing barn addition (20.7 m x 7.9 m with two 0.6 m deep pits)</li> </ul>
Authorization LA02022	<ul style="list-style-type: none"> <li>• Hog quarantine barn (21.9 m x 13.4 m)</li> </ul>
2-95, 3-95 and 4-95	<ul style="list-style-type: none"> <li>• Finisher barn (104.9 m x 26.8 m)</li> <li>• Farrowing barn (104.9 m x 20.9 m)</li> <li>• Dry sow barn (88.4 m x 14.6 m)</li> <li>• Chicken layer barn (61.0 m x 14.6 m)</li> <li>• Chicken broiler barn (24.7 m x 13.1 m)</li> <li>• Dairy barn (T shaped) (77.4 m x 33.5 m + 19.8 m x 16.8 m)</li> <li>• Dairy pens (33.5 m x 10.4 m)</li> <li>• Feedlot (105.2 m x 76.2 m)</li> <li>• Slurrystore (43.9 m diameter)</li> </ul>

**Construction conditions** (brought forward from Authorization LA17009)

1. Construction completion deadline

The permit holder shall complete construction of the manure collection and storage portions of the pullet barn prior to June 15, 2018. Upon request, this deadline may be extended by the NRCB in writing.

2. Post construction inspection

The permit holder shall not place livestock or manure in the pullet 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 LA16026)

1. Construction completion deadline

The permit holder shall complete construction of the manure storage for the chicken layer barn prior to November 30, 2018. Upon request, this deadline may be extended by the NRCB in writing.



2. Post construction inspection

The permit holder shall not allow manure in the new manure storage for the chicken layer barn until the manure storage 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. The permit holder shall contact the NRCB at least 10 working days in advance of the desired inspection date to schedule the inspection.

**Construction conditions** (brought forward from Authorization LA16009)

1. Completion Reports

- a. The applicant must provide a completion report prepared by a professional engineer verifying the under barn pits were constructed according to submitted plans prior to animals or manure being placed in the addition to the farrowing barn.

2. Inspections

- a. The manure storage portion of the barn and pits must be inspected by an NRCB Approval Officer prior to animals or manure being placed in the addition to the farrowing barn.
- b. The applicant must provide the Approval Officer a minimum of 10 working days notice prior to the applicant's desired completion inspection.

3. Construction Completion

- a. All construction must be completed by April 30, 2008.

**Construction conditions** (brought forward from Authorization LA02022)

2. Concrete Manure Storages

- a. The concrete manure storages are to be constructed as per the plans submitted with the application.
- b. All structures/piping used in the conveyance of liquid hog manure from the barn to the storage shall be constructed so as to be considered manure tight.
- c. The Hutterian Brethren of Greenwood shall provide written confirmation of the quantity and quality of concrete used in the completion of the structure. All concrete used to complete this structure shall be a minimum of 32 MPA strength (w/c ratio of 0.45).

5. Inspections

- a. All necessary government permits, approvals and licences shall be obtained prior to commencement of development.
- b. The quarantine barn is to be inspected by NRCB upon completion of construction and prior to its use

**Construction conditions** (brought forward from Municipal Permit 2-95, 3-95 and 4-95)

1. Due to further distance required for total intensive agricultural operation that the development be moved further north into Section 26-7-25-4 to maintain the residence to development distance to provide for 2,350 foot separation;



2. The minimum distance separation between poultry facilities, including waste storage, and the nearest residence not owned by the developer shall be two thousand three hundred & fifty (2,350) feet as recommended by Alberta Environment;
3. A list of lands comprising a minimum of fifteen hundred (1,500) acres of cultivated land suitable for waste disposal shall be retained as recommended by Dr. Karkanis' Agro-Environmental Sensitivity Assessment (page 8) and such a list shall be filed with the Municipal District Office with the exception of the NE 17-7-25-4
4. The minimum distance separation between dairy facilities, including waste storage, and the nearest residence not owned by the developer shall be two thousand three hundred & fifty (2,350) feet as recommended by Alberta Environment;
5. The minimum distance separation between hog facilities, including waste storage, and the nearest residence not owned by the developer shall be two thousand three hundred & fifty (2,350) feet as recommended by Alberta Environment;
6. A review of development application 2-95 and 3-95 and 4-95 indicate a different minimum distance for each intensive livestock facility the nearest neighbouring residence. In using the Code of Practice, the number of animal given for any facility are multiples by the livestock siting unit factor to obtain livestock siting units. The combined total of all facilities are then used to determine the minimum separation distance. In this case all intensive livestock facilities on the colony must be a minimum of 2320 feet from the nearest neighbour. By moving the entire colony 500 ft. north, the separation distance will be met.
7. Facilities for the storage of manure and effluent shall have a minimum storage capacity of one year for all types of waste;
8. Blueprint plans for barns and waste storage facilities shall be drafted by a qualified engineer and approved by Alberta Agriculture, Food and Rural Development and by Alberta Environmental Protection, Air and Water Approvals, and confirmation in writing of the approval from Alberta Agriculture, Food and Rural Development and Alberta Environmental Protection, Air and Water Approvals, shall be filed with the Municipal District Office prior to commencement of any construction;
9. Construction of the barns and waste storage facilities shall be supervised by the design engineer and, upon completion, a letter from that engineer certifying construction conforms with the design and written approval from Alberta Agriculture, Food and Rural Development and Alberta Environmental Protection, Air and Water Approvals, shall be filed with the Municipal District Office prior to any poultry being housed within the facilities;
10. All necessary government permits, approvals and licenses, shall be obtained prior to COMMENCEMENT OF DEVELOPMENT;
11. Pursuant to item (i) in the letter from Alberta Agriculture, Food and Rural Development (Appendix "A"), there shall be a proper mix design and testing of the batch concrete and written certification filed with the Municipal District Office that it is suitable for the intended construction purposes;
12. A Certificate of Compliance from Alberta Agriculture, Food and Rural Development and Alberta Environmental Protection shall be obtained after one (1) year of operation and a copy filed with the Municipal District Office;



13. If upgrading of any undeveloped statutory road allowance is required for access, construction shall conform to minimum municipal road standards (copy enclosed) and shall be entirely at the developer's expense. The statutory road allowance on the west side of Section 35 and NW 26-7-25-4 is the recommended road for access to the site;

Alberta Agriculture, Food and Rural Development – Appendix A

- a. The siting of all intensive livestock facilities complies with the minimum distance separation requirements as stipulated in the Livestock Code of Practice.
- b. Manure storage for the various livestock facilities range from 1-3 months to approximately 1 year. Recommended manure storage is for a minimum of 6 months, preferably 1 year.
- c. Soil texture is generally acceptable for lagoon construction to achieve the minimum infiltration rate. It is critical the lagoons be constructed properly. To this end it is recommended a practicing professional engineer be retained on site during construction and provide written confirmation as to the infiltration rate. I also suggest the installation of 4 piezometer wells (one on each side) of lagoon used for animal manure. This will provide an opportunity for monitoring the lagoon on a continual basis from the initial construction.
- d. The Dairy division requests the dairy barn to be located a minimum of 300 feet upwind of any hog facility. It must also allow for easy access to the milk house, not requiring a semi trailer unit to negotiate a number of turns or backing up. It is assumed the milk house will be located in the front of the dairy barn. If not, it should be clarified.
- e. The submission to date does not supply details as to building construction. Requesting building plans prior to construction is advisable. Detail, particularly of barn gutters and manure storage structures, relating to reinforcement and concrete quality should be specified.
- f. It has become apparent during the past 2 years with many new colonies being established, the quality of concrete produced for building construction, including manure tank and gutters is not of acceptable quality. Most new colonies set up a batching plant on site, to batch concrete required. Often dirty gravel is used in the mix resulting in poor concrete. It is advisable to have a proper mix design and testing of concrete, particularly for manure tanks submitted by the colony.

Alberta Agriculture, Food and Rural Development – Appendix A1

The data relating to sub surface soils and water table will be adequate. First drilling for the new lagoon site is recommended to reveal possible sand seams.

Alberta Environmental Protection - Appendix B

1. All manure storage sites and effluent lagoons be constructed to meet the minimum infiltration rate of  $1 \times 10^{-7}$  cm/sec and all clean water be diverted around these facilities.



2. The developer should be encouraged to provide a manure and effluent storage capable of storing and containing a minimum of one year accumulation of wastes.
3. It is strongly recommended that the developer retain the services of an engineer qualified to practice in Alberta and that the engineer supervise and be on site during the construction of all waste and wastewater handling facilities. Also, the developer should retain the same engineer from the start to completion for the construction.

#### Alberta Environmental Protection - Appendix B1

1. Detailed soil testing should be completed by an engineer prior to constructing any wastewater storage lagoons so as to determine the infiltration rate and ensure that the rate of  $1 \times 10^{-7}$  cm/sec can be met.
2. The development applications listed here relate to one total confinement operation and as such the minimum separation distance should be calculated on the combined livestock rather than each individual building. The separation for this total facility should then be approximately 2350 ft. (Detailed calculation can be obtained from Alberta Agriculture, Food and Rural Development).
3. The site may have to be moved slightly north from the location proposed to meet the separation distance from the residence located in the NW 23-7-25-W of 4.

#### Chinook Health Unit – Appendix C

The storage capacity for all solid waste sites should be at least 6 months to allow for adequate storage over the winter season. More information on the location and construction of these solid waste storage sites is required.

More information on the method of protection of surface water is required.

Before the use of any manure storage facility, certification from Alberta Agriculture is required.

Fencing and signs must be provided to reduce unauthorized entry.

The proposed sites for the sewage lagoons meet the distance requirements of the Provincial Board of Health Regulation respecting the Keeping of Livestock and Poultry (Division 23), however, no definite decisions have been made concerning the design to be used for manure storage.