



Total permitted animal capacity from all permits for this site:

120 milking cow dairy (plus associated replacements)
600 beef finishers
60,000 chicken broilers
1,000 ducks, 400 geese, and 600 turkeys

In consideration of Decision Summary RA19059A, Approval RA19059A is issued to:

Name: Hutterian Brethren Church of Wavy Lake (the “permit holder”)
Address: Box 580 Daysland AB T0B 1A0
Contact person: Andy Hofer

Permitted construction (based on the submitted site plan):

- broiler barn #2 (108.8 m x 19.5 m) - revised location
- duck/geese/turkey barn (61 m x 12.5 m)

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 for Approvals RA19059 and RA19059A together with the site plan, building plans, engineering reports 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 reference in conditions #2 and 5.

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

Construction conditions

Broiler barn #2

1. The concrete used to construct the liner of the new broiler barn #2 must meet the specifications for category D (solid manure – dry) in Technical Guideline Agdex 096-93 “Non-Engineered Concrete Liners for Manure Collection and Storage Areas.” The permit holder shall provide written confirmation confirming that the concrete used for the manure collection and storage areas meets the required specification.
2. The permit holder shall not allow livestock or manure in the new broiler barn #2, until the facility has 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.
3. The permit holder shall complete construction of the manure collection and storage portions of the broiler barn #2 prior to November 30, 2022. Upon request, this deadline may be extended by the NRCB in writing.



Duck/geese/turkey barn (Carried forward from Approval RA05022A)

4. Water Table during Construction
If the water table is encountered and causes or creates construction problems or delays during construction of the new CFO facilities, construction must cease in the problem construction area and the NRCB must be notified immediately.
5. A completion report confirming the turkey/duck/goose barn floor liner material and construction procedures, prepared by a professional engineer, must be provided to the NRCB prior to birds and manure entering the barn. The completion report must include:
 - verification that the barn is located according to the updated site plan provided on June 1, 2006,
 - verification of the barn dimensions,
 - density test results of the barn liner,
 - verification of the barn floor liner thickness,
 - verification that the liner material used is the same material that was submitted for hydraulic conductivity testing,
 - and verification that the barn liner was constructed according to the recommended construction procedures in the April 7, 2006 Almor Testing Services Ltd. letter.
6. The permit holder shall not allow livestock or manure in the duck/geese/turkey barn, until the facility has 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.
7. The permit holder shall complete construction of the manure collection and storage portions of the duck/geese/turkey barn prior to November 30, 2022. Upon request, this deadline may be extended by the NRCB in writing.

Operating condition (Carried forward from Approval RA05022A)

Manure Storage Tank Leakage Detection System Reporting

8. Sampling risers for the liquid manure storage tank must be checked every fall. The operator must submit a letter to the NRCB by October 31 each year stating whether or not any of the sampling risers contained fluids. If fluids are found in any of the risers, the applicant may be required to submit these fluids for testing, as determined by the NRCB.

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

Approval RA19059 is hereby cancelled and is no longer in effect, unless Approval RA19059A is held invalid, in which case the previous permit will remain in effect.

March 4, 2021

(Original Signed)
Francisco Echegaray, P.Ag.
Approval Officer



Approval RA19059A – Appendix

Existing permitted facilities

Approval RA05022A

- Dairy barn (81 m x 38 m) with a under barn liquid manure pit (38 m x 1.8 m x 2.4 m deep)
- Dairy liquid manure storage tank (29 m in diameter x 7 m high)
- Beef feedlot pens (305 m x 128 m)
- Feedlot runoff control catch basin (45.7 m x 45.7 m 2.4 m deep)

Authorization RA08027

- Broiler barn #1 (91.5 m x 19.5 m) with attached office and utility room

Approval RA09013A

- Dairy replacement area (86 m x 34 m)

Completed construction conditions (brought forward from Approval RA05022A)

Dairy Barn

The concrete used to construct the dairy barn scraper alley floors must have a minimum 56 day compressive strength of 30 MPa, a maximum water to cement ratio of 0.50 and must contain Type 50 cement. Concrete used to construct the dairy barn liquid manure pits must have a minimum 56 day compressive strength of 32 MPa, a maximum water to cement ratio of 0.45 and must contain Type 50 cement. A copy of the concrete supplier's invoice must be provided to confirm the concrete specifications.

A completion report for the dairy barn, prepared by a professional engineer, must be provided to the NRCB prior to animals entering the barn. The completion report must include: verification that the dairy barn is located according to the site plan provided, verification of the barn dimensions, verification that the distance from the bottom of the barn pit floor to the water table at the time of construction was at least 1 metre, verification of the concrete thickness in the scraper alleys and the pit walls and floors, verification of the concrete reinforcing size and spacing, verification of the location and type of material used to seal all joints in the concrete liner and verification of the method of sealing around piping and other extrusions through the manure pit liner.

Dairy Manure Storage Tank

The concrete used to construct the dairy manure storage tank floor must have a minimum 56 day compressive strength of 32 MPa, a maximum water to cement ratio of 0.45 and must contain Type 50 cement. A copy of the concrete supplier's invoice must be provided to confirm the concrete specifications.

A completion report for the dairy manure storage tank, prepared by a professional engineer, must be provided to the NRCB prior to animals entering the dairy barn and prior to manure entering the storage tank. The completion report must include: verification that the tank is located according to the site plan provided, verification of the tank dimensions, verification



of the concrete thickness in the tank floor, verification of the concrete reinforcing size and spacing, verification of the location and type of material(s) used to seal all joints between the concrete floor and the steel panels and between the steel panels, and verification of the method of sealing around piping and other extrusions through the tank and the tank floor.

Feedlot

A completion report confirming the feedlot floor liner material and construction procedures, prepared by a professional engineer, must be provided to the NRCB prior to animals entering the feedlot. The completion report must include: verification that the feedlot is located according to the site plan provided, verification of the feedlot dimensions, density test results of the feedlot floor liner, verification of the feedlot floor liner thickness and slope, verification that the liner material used is the same material that was submitted for hydraulic conductivity testing, and verification that the feedlot floor liner was constructed according to the recommended construction procedures in the April 7, 2006 Almor Testing Services Ltd. letter.

Catch Basin

A completion report confirming the catch basin liner material and construction procedures, prepared by a professional engineer, must be provided to the NRCB prior to animals entering the feedlot. The completion report must include: verification that the catch basin is located according to the site plan provided, verification of the catch basin dimensions including its depth below grade, density test results of the catch basin liner, verification of the catch basin liner thickness (minimum 1.0 metre thick floor and 1.2 metre thick walls), verification of the interior wall slopes (minimum 3:1 (run:rise)), verification that the liner material used is the same material that was submitted for hydraulic conductivity testing, and verification that the catch basin liner was constructed according to the recommended construction procedures in the April 7, 2006 Almor Testing Services Ltd. letter.

The catch basin outside walls and the freeboard of the inside walls must have a covering of topsoil and must be seeded with vegetation to prevent erosion.

Construction Completion

Construction of the manure collection and storage portions of the dairy barn and the dairy manure storage tank must be completed by December 31, 2007.

Construction of the manure collection and storage portions of all CFO facilities must be completed by October 31, 2012.

Inspections

The manure collection and storage portion of each barn and each manure storage facility must be inspected by NRCB personnel prior to animals or manure being placed in each barn and prior to manure being placed in each manure storage facility.

The applicant must provide the Approval Officer a minimum of 10 working days' notice prior to the applicant's desired completion inspection



Completed construction conditions (Brought forward from Authorization RA08027)

Completion Reports

A completion report confirming the new dairy replacement area liner material and construction procedures, prepared by a professional engineer, must be provided to the NRCB prior to animals or manure entering the area. The completion report must include: verification that the area is located according to the site plan provided, verification of the dairy replacement area dimensions, verification that the water table was more than 1 metre below the bottom of the liner at the time of construction, density test results of the liner, verification of the liner thickness, and verification that the liner was constructed according to the recommended construction procedures in the April 7, 2006 letter from Almor Testing Services Ltd.

Construction Completion

Construction of the catch basin must be completed and all construction conditions for the catch basin from Approval RA05022 must be met before animals or manure can enter the new dairy replacement area.

Construction of the dairy replacement area must be completed prior to May 22, 2009 unless otherwise agreed upon by the NRCB.

Inspections

The dairy replacement area must be inspected by NRCB personnel prior to animals or manure being placed in the area.

Completed construction conditions (Brought forward from Approval RA09013A)

Completion Verification

Written verification confirming the new broiler barn material and construction procedures, prepared by a qualified third party, must be provided to and accepted by the NRCB prior to animals and manure entering the barn. The written verification must include the following: dimensions of the broiler barn; thickness of the concrete floor; floor concrete strength; floor cement type; and size and spacing of floor reinforcing.

Construction Completion

Construction of the manure collection and storage portions of the broiler barn must be completed prior to July 1, 2011 unless otherwise agreed upon by the NRCB.

Inspections

The manure collection and storage portions of the broiler barn must be inspected by NRCB personnel prior to animals or manure being placed in the new barn.