



Total permitted animal capacity from all permits for this site:

120 milking cows (plus associated dry cows and replacements)
25,000 broiler breeder chickens
25,000 pullet chickens
300 layer chickens
1,000 ducks
300 geese

In consideration of Decision Summary RA20022, Approval RA20022 is issued to:

Names: Hutterian Brethren Church of Rainbow, and Rainbow Colony
Farming Co. Ltd. (the "permit co-holders")
Address: 26052 Twp Rd 350 Red Deer County AB T4G 0M4
Contact person: Darius Hofer

Permitted construction (based on the submitted site plan in Application RA20022):

- Conversion of swine farrow and pre-grower barn into broiler breeder barn (the east poultry barn, 123.7 m x 31.7 m)
- New manure storage building and associated hallway (26.2 m x 15.2 m and 2.2 m x 8.5 m)
- Conversion of swine finisher barn into a pullet barn (the central poultry barn, 152 m x 13.7 m)
- Conversion of swine pre-finisher barn into a pullet barn (the west poultry barn, 76 m x 13.7 m)

Permitted construction (outstanding from Authorization RA17027):

- Heifer barn (59 m x 26.4 m)

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

The permit co-holders shall adhere to the descriptions contained in the filed applications RA20022, RA17027, and RA11058 (as amended by Decision Summary RA11058A), together with the site plans, building plans, engineering reports and other attached documents, unless otherwise noted in the following conditions.

The permit co-holders shall contact the NRCB at least 10 working days in advance of the desired inspection date to schedule the inspection in conditions 3, 6, 9, 12 and 13.

The permit co-holders are responsible for all costs associated with monitoring, sampling, testing, recording and reporting requirements.

Construction conditions

Broiler breeder barn (east poultry barn)

1. Concrete
Any new concrete used as part of the renovations to the broiler breeder barn's manure collection and storage liner must be sulphate resistant and have a minimum 28-day compressive strength of 25 MPa. The permit co-holders shall provide documentation to the NRCB confirming the specifications of the concrete used in the renovation of the facility's liner. This documentation must be provided to the NRCB prior to the inspection referenced in condition three, or by a later date stated in writing by the NRCB.
2. Construction completion deadline
The permit co-holders shall complete renovations to the broiler breeder barn prior to December 29, 2023. Upon request, this deadline may be extended by the NRCB in writing.
3. Post construction inspection
The permit co-holders shall not allow livestock or manure in the broiler breeder barn until it has been inspected by NRCB personnel, and confirmed by them in writing, to have been renovated in accordance with the terms and conditions of this approval.

Manure storage building

4. Concrete
The concrete used to construct the manure storage liner in the manure storage building must be sulphate resistant and have a minimum 28-day compressive strength of 25 MPa. The permit co-holders shall provide documentation to the NRCB confirming the specifications of the concrete used in the construction of the facility's liner. This documentation must be provided to the NRCB prior to the inspection referenced in condition six, or by a later date stated in writing by the NRCB.
5. Construction completion deadline
The permit co-holders shall complete construction of manure storage building prior to December 29, 2023. Upon request, this deadline may be extended by the NRCB in writing.
6. Post construction inspection
The permit co-holders shall not place manure in the manure storage building until it 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 approval.

Pullet barn (central poultry barn)

7. Concrete
Any new concrete used as part of the renovations to the pullet barn's manure collection and storage liner must be sulphate resistant and have a minimum 28-day compressive strength of 25 MPa. The permit co-holders shall provide documentation to the NRCB confirming the specifications of the concrete used in the renovation of the facility's liner. This

documentation must be provided to the NRCB prior to the inspection referenced in condition nine, or by a later date stated in writing by the NRCB.

8. Construction completion deadline
The permit co-holders shall complete renovations to the pullet barn prior to December 29, 2023. Upon request, this deadline may be extended by the NRCB in writing.
9. Post construction inspection
The permit co-holders shall not allow livestock or manure in the pullet barn until it has been inspected by NRCB personnel, and confirmed by them in writing, to have been renovated in accordance with the terms and conditions of this approval.

Pullet barn (west poultry barn)

10. Concrete
Any new concrete used as part of the renovations to the pullet barn's manure collection and storage liner must be sulphate resistant and have a minimum 28-day compressive strength of 25 MPa. The permit co-holders shall provide documentation to the NRCB confirming the specifications of the concrete used in the renovation of the facility's liner. This documentation must be provided to the NRCB prior to the inspection referenced in condition twelve, or by a later date stated in writing by the NRCB.
11. Construction completion deadline
The permit co-holders shall complete renovations to the pullet barn prior to December 29, 2023. Upon request, this deadline may be extended by the NRCB in writing.
12. Post construction inspection
The permit co-holders shall not allow livestock or manure in the pullet barn until it has been inspected by NRCB personnel, and confirmed by them in writing, to have been renovated in accordance with the terms and conditions of this approval.

Heifer barn

13. Post construction inspection
(formerly condition three in Authorization RA17027) The permit co-holders shall not allow livestock in the heifer barn until the facility 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.

Decommissioning

14. (formerly condition seven in Authorization RA17027) The permit co-holders shall decommission the old heifer corrals and dry cow barn [located on SE 6-35-25 W4M] according to Technical Guideline Agdex 096-90: "Closure of Manure Storage Facilities and Manure Collection Areas for solid manure storage facilities" that pose a low risk to surface water and groundwater. The decommissioning shall occur no later than one year after the

post construction inspection of the new facilities [the above heifer barn] and shall not be used as livestock housing or manure storage areas once decommissioned.

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

The deemed approval along with NRCB issued Approval RA11058A and Authorization RA17027 are hereby cancelled and are no longer in effect, unless Approval RA20022 is held invalid, in which case the previous permits will remain in effect.

November 13, 2020

(Original Signed)
Jeff Froese
Approval Officer

Approval RA20022 – Appendix

Existing permitted facilities

Facility	Dimensions (m)	Permit
Feather barn	48 x 15	Deemed
West feather pen	49 x 25	
East feather pen	33 x 43 x 48 (triangular)	
Two celled earthen liquid manure storage (EMS)	125 x 80 (overall dimension)	
Dairy EMS	120 x 47 x 5 deep	RA11058A
Dairy barn	69 x 42	RA17027
Calf barn	28 x 26.4	

Already met construction conditions (brought forward from old permits)

From Approval RA11058

1. Dairy barn
 - a. Construction of the manure collection and storage portions of the dairy barn must be completed prior to July 30, 2015, unless otherwise agreed upon in writing by the NRCB.
 - b. The manure storage portion of the dairy barn must be inspected by NRCB personnel prior to animals or manure being placed in the new dairy barn.

2. Earthen liquid manure storage
 - a. A completion report confirming the liner material and construction procedures for the earthen liquid manure storage (EMS), prepared by a professional engineer, must be provided to the NRCB after construction of the EMS is complete and before any manure is placed in the EMS. The completion report must include:
 - Density test results of the EMS liner.
 - Verification of the EMS liner thickness.
 - Verification that the EMS liner material used is the same material that was submitted for hydraulic conductivity testing.
 - Verification that the EMS liner was constructed according to the construction procedures in the May 30, 2012, Site and Soil Assessment; Liquid EMS Design and Construction report.
 - b. Construction of the manure collection and storage portions of the earthen liquid manure storage must be completed prior to July 30, 2015, unless otherwise agreed upon in writing by the NRCB.
 - c. The manure storage portion of the earthen liquid manure storage must be inspected by NRCB personnel prior to manure being placed in the earthen liquid manure storage.

From Authorization RA17027

1. The permit holder shall complete construction of the manure collection and storage portions of the Heifer barn prior to December 31, 2020. Upon request, this deadline may be extended by the NRCB in writing.



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

The permit holder shall not place manure in the heifer barn until the report has been reviewed and accepted in writing by the NRCB.

4. The permit holder shall complete construction of the manure collection and storage portions of the calf barn prior to December 31, 2020. Upon request, this deadline may be extended by the NRCB in writing.
5. 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 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 4 above or by a later date stated by the NRCB.
6. The permit holder shall not allow livestock in the calf barn until the facility 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.