



Total permitted animal capacity for this site:

120 milking cows including associated dry cows and replacements
150 beef finishers
30,000 chicken layers
30,000 chicken pullets
6,000 chicken broilers
300 turkey broilers
300 geese
1,400 ducks

In consideration of Decision Summary RA19041, Approval RA19041 is issued to:

Name: Britestone Hutterian Brethren (the "permit holder")
Address: Box 129 Carbon AB T0M 0L0
Contact person: Daniel Entz and Peter D. Entz

Permitted construction (based on the submitted site plan):

- Dairy barn (137 m x 46 m)
- Earthen liquid manure storage or EMS (40 m x 80 m, 3.5 m deep and walls sloped at 4:1)
- Feedlot (137 m x 49 m)
- Catch basin (39 m x 39 m, 1 m deep and walls sloped at 3:1)
- Layer barn (122 m x 46 m)
- Pullet barn (122 m x 24 m)
- Mc Donald barn (a multi-use poultry barn, 61 m x 18 m)
- Concrete lined solid manure storage pad (76 m x 61 m, with 1.2 m high walls)

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, together with the site plans, 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 in conditions 3, 6, 9, 13, 17, 21, 24, and 28.

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

Construction conditions

Dairy barn

1. Concrete
The concrete used to construct the dairy barn must be sulphate resistant and have a minimum 56-day compressive strength of 32 MPa. The permit holder shall provide proof, prepared by a qualified third party, to the NRCB to confirm the specifications of the concrete

used in the construction. This document must provide proof of sealants used in concrete joints or concrete penetrations and 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 holder shall complete construction of the manure collection and storage portions of the dairy barn prior to November 23, 2027. Upon request, this deadline may be extended by the NRCB in writing.
3. Post-construction inspection
The permit holder shall not allow livestock or manure in the dairy barn until it 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.

Earthen liquid manure storage (EMS)

4. Liner requirement
The permit holder shall provide the NRCB with a written construction completion report for the EMS. The report must be stamped and signed by a “professional engineer,” as defined in the *Standards and Administration Regulation*, and must confirm that the EMS:
 - was constructed with the same liner material as that used for hydraulic conductivity testing
 - inlet is located in the lower quarter of the facility
 - has rip-rap or an equivalent energy dissipating device (erosion control) installed in the area of the inlet
 - has the correct horizontal and vertical dimensions including elevations above and below grade, berm heights, and side slopes
 - is in the same location as proposed
 - liner was constructed in accordance with the specifications stated in Almor’s *Shallow Subsoil and Groundwater Site Investigation report (042-07-19)*.This document must be provided to the NRCB prior to the inspection referenced in condition 6, or by a later date stated in writing by the NRCB.
5. Construction completion deadline
The permit holder shall complete the construction of the EMS prior to November 23, 2027. Upon written request, this deadline may be extended by the NRCB in writing.
6. Post construction inspection
The permit holder shall not place manure in the EMS until the NRCB have inspected it and stated in writing that it has been constructed in accordance with the terms and conditions of this permit.

Feedlot

7. Liner requirement
The permit holder shall provide the NRCB with a written construction completion report for the feedlot. The report must be stamped and signed by a “professional engineer,” as defined in the *Standards and Administration Regulation*, and must confirm that the feedlot was constructed as proposed including its location, and its horizontal and vertical dimensions (including elevations above grade and the interior slope of the facility).
8. Construction completion deadline
The permit holder shall complete the construction of the feedlot prior to November 23, 2027. Upon written request, this deadline may be extended by the NRCB in writing.
9. Post construction inspection
The permit holder shall not place livestock or manure in the feedlot until NRCB personnel have inspected it and stated in writing that it has been constructed in accordance with the terms and conditions of this permit.

Catch basin

10. Liner requirement
The permit holder shall provide the NRCB with a written construction completion report for the catch basin. The report must be stamped and signed by a “professional engineer,” as defined in the *Standards and Administration Regulation*, and must confirm that:
 - its inlet pipe is located in the lower quarter of the facility
 - it has rip-rap or an equivalent energy dissipating device (erosion control) installed in the area of the inlet
 - has the correct horizontal and vertical dimensions including elevations above and below grade, berm heights, and side slopes

This document must be provided to the NRCB prior to the inspection referenced in condition 13, or by a later date stated in writing by the NRCB.

11. Surface water control structure
The permit holder shall construct and maintain a surface water control structure that diverts non-manure impacted run-on away from the catch basin. The structure must be high (or deep) and wide enough so that all non-manure impacted surface water is diverted away from the catch basin. This structure must be constructed prior to the inspection referenced in condition 13, or by a later date stated in writing by the NRCB.
12. Construction completion deadline
The permit holder shall complete the construction of the catch basin prior to November 23, 2027. Upon written request, this deadline may be extended by the NRCB in writing.

13. Post construction inspection

The permit holder shall not allow manure or manure impacted runoff to enter the catch basin until NRCB personnel have inspected it and stated in writing that it has been constructed in accordance with the terms and conditions of this permit.

Layer barn

14. Survey

After pouring the first footing of the layer barn, the permit holder shall arrange for a survey of the distance from the closest portion of that footing to the two water wells located to the east (Alberta Environment and Parks identifies these water wells as #9906135 and #9906136). The survey result must be submitted to and approved by the NRCB before the permit holder may conduct any further construction on the layer barn. The NRCB will approve the survey only if it shows that the surveyed distance is at least 100 m.

15. Concrete

The concrete used to construct the layer barn must be sulphate resistant and have a minimum 56-day compressive strength of 32 MPa. The permit holder shall provide proof, prepared by a qualified third party, to the NRCB to confirm the specifications of the concrete used in the construction. This document must provide proof of sealants used in concrete joints or concrete penetrations and be provided to the NRCB prior to the inspection referenced in condition 17, or by a later date stated in writing by the NRCB.

16. Construction completion deadline

The permit holder shall complete construction of the manure collection and storage portions of the dairy barn prior to November 23, 2027. Upon request, this deadline may be extended by the NRCB in writing.

17. Post-construction inspection

The permit holder shall not allow livestock or manure in the layer barn until it 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.

Pullet barn

18. Survey

After pouring the first footing of the pullet barn, the permit holder shall arrange for a survey of the distance from the closest portion of that footing to the two water wells located to the east (Alberta Environment and Parks identifies these water wells as #9906135 and #9906136). The survey must be submitted to and approved by the NRCB before the permit holder may conduct any further construction on the pullet barn. The NRCB will approve the survey only if it shows that the surveyed distance is at least 100 m.

19. Concrete

The concrete used to construct the pullet barn must be sulphate resistant and have a minimum 56-day compressive strength of 32 MPa. The permit holder shall provide proof, prepared by a qualified third party, to the NRCB to confirm the specifications of the concrete

used in the construction. This document must provide proof of sealants used in concrete joints or concrete penetrations and be provided to the NRCB prior to the inspection referenced in condition 21, or by a later date stated in writing by the NRCB.

20. Construction completion deadline

The permit holder shall complete construction of the manure collection and storage portions of the pullet barn prior to November 23, 2027. Upon request, this deadline may be extended by the NRCB in writing.

21. Post-construction inspection

The permit holder shall not allow livestock or manure in the pullet barn until it 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.

Mc Donald barn

22. Concrete

The concrete used to construct the McDonald barn must be sulphate resistant and have a minimum 56-day compressive strength of 32 MPa. The permit holder shall provide proof, prepared by a qualified third party, to the NRCB to confirm the specifications of the concrete used in the construction. This document must provide proof of sealants used in concrete joints or concrete penetrations and be provided to the NRCB prior to the inspection referenced in condition 24, or by a later date stated in writing by the NRCB.

23. Construction completion deadline

The permit holder shall complete construction of the manure collection and storage portions of the Mc Donald barn prior to November 23, 2027. Upon request, this deadline may be extended by the NRCB in writing.

24. Post-construction inspection

The permit holder shall not allow livestock or manure in the Mc Donald barn until it 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.

Concrete lined solid manure storage pad

25. Concrete

The concrete used to construct the concrete lined solid manure storage pad must be sulphate resistant and have a minimum 56-day compressive strength of 32 MPa. The permit holder shall provide proof, prepared by a qualified third party, to the NRCB to confirm the specifications of the concrete used in the construction. This document must provide proof of sealants used in concrete joints or concrete penetrations and be provided to the NRCB prior to the inspection referenced in condition 28, or by a later date stated in writing by the NRCB.



26. Surface water control structure
The permit holder shall construct and maintain a surface water control structure that diverts non-manure impacted run-on away from the concrete lined solid manure storage pad. The structure must be high (or deep) and wide enough so that all non-manure impacted surface water is diverted away from the facility. This structure must be constructed prior to the inspection referenced in condition 27, or by a later date stated in writing by the NRCB.
27. Construction completion deadline
The permit holder shall complete construction of the manure collection and storage portions of the pad prior to November 23, 2027. Upon request, this deadline may be extended by the NRCB in writing.
28. Post-construction inspection
The permit holder shall not allow manure to be placed on the pad until it 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.

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

June 4, 2020

(Original Signed)
Jeff Froese
Approval Officer