



Total permitted animal capacity from all permits for this site:

150 milking cows (plus associated dries and replacements)
18,000 chicken layers
34,000 chicken pullets/broilers
1,000 ducks
100 geese

In consideration of Decision Summary LA23050, Approval LA23050 is issued to:

Name: Hutterian Brethren of Ivy Ridge (the “permit holder”)
Address: Box 720, Nanton AB T0L 1R0
Contact person: Paul Wipf

Permitted construction (based on the submitted site plan):

- Chicken layer & pullet barn – 111.56 m x 30.48 m
- Dairy barn – 111.56 m x 36.58 m (with two manure collection pits 30.6 m x 1 m x 1.6 m deep and 3.7 m x 3.3 m x 3.7 m deep, each)
- Calf and dry cow shed – 111.56 m x 45.72 m
- Broiler barn – 111.56 m x 36.58 m
- Mixed poultry barn – 76.20 m x 18.29 m
- Manure storage tank – 46.3 m internal diameter x 4.8 m tall (internal height)
- Solid manure storage pad – 40 m x 60 m

Ancillary structures

- Feed mill – 29 m x 31 m
- Hay shed – 111.56 m x 36.58 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, the site plan, building plans, engineering reports and other attached documents included with filed Application LA23050.

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, 9, 13, 17, 21, 26, and 31.

The permit holder is responsible for all costs associated with monitoring, sampling, testing, recording, and reporting requirements (this includes post construction reports).

Construction conditions

Chicken layer & pullet barn

1. The concrete used to construct the liner of the chicken layer and pullet barn 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 from a qualified third party, confirming that the concrete used for the manure collection and storage areas of the chicken layer and pullet



barn meets the required specifications prior to the post construction inspection cited in condition #3.

2. The permit holder shall complete construction of the chicken layer and pullet barn prior to November 30, 2029. Upon request, this deadline may be extended in writing by the NRCB.
3. The permit holder shall not place manure or allow livestock to enter the chicken layer and pullet 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.
4. The permit holder shall not place manure or allow livestock to enter the chicken layer and pullet barn until conditions #27-31 have been met.

Dairy barn

5. The permit holder shall immediately cease construction of the dairy barn and contact the NRCB if the water table is observed to be one meter or less from the bottom of the in-barn pits at the time of construction.
6. The permit holder shall provide the NRCB with a written construction completion report for the dairy barn. This report shall be stamped and signed by a “professional engineer”, as defined in the *Standards and Administration Regulation*, and shall:
 - a. Certify that the concrete used to construct the liner of the dairy barn and in-barn pits meet the specification for category B (liquid manure – shallow pits), in Technical Guideline Agdex 096-93 “Non-Engineered Concrete Liners for Manure Collection and Storage Areas”,
 - b. Confirm that the water table was not observed to be one meter or less from the bottom of the in-barn pits at the time of construction,
 - c. Certify that the dairy barn was constructed at the location specified in the site plan provided with the application, and
 - d. Confirm the dairy barn’s final dimensions and depth below grade.
7. The permit holder shall not place manure or allow livestock to enter the dairy barn until the construction completion report has been reviewed and accepted in writing by the NRCB. This document must be provided to the NRCB at least 10 working days prior to the inspection referenced in condition #9 below or by a later date stated by the NRCB.
8. The permit holder shall complete construction of the dairy barn prior to November 30, 2029. Upon request, this deadline may be extended by the NRCB in writing.
9. The permit holder shall not place manure or allow livestock to enter the dairy 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.



10. The permit holder shall not place manure or allow livestock to enter the dairy barn until conditions #23-26 have been met.

Calf & dry cow shed

11. The concrete used to construct the liner of the calf and dry cow shed must meet the specifications for category C (solid manure – wet), in Technical Guideline Agdex 096-93 “Non-Engineered Concrete Liners for Manure Collection and Storage Areas”. The permit holder shall provide written confirmation from a qualified third party, confirming that the concrete used for the manure collection and storages areas of the calf shed and dry cow barn meets the required specifications prior to the post construction inspection cited in condition #13.
12. The permit holder shall complete construction of the calf shed and dry cow barn prior to November 30, 2029. Upon request, this deadline may be extended by the NRCB in writing.
13. The permit holder shall not place manure or allow livestock to enter the calf shed and dry cow 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.
14. The permit holder shall not place manure or allow livestock to enter the calf shed and dry cow barn until conditions #27-31 have been met.

Broiler barn

15. The concrete used to construct the liner of the broiler barn 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 from a qualified third party, confirming that the concrete used for the manure collection and storage areas of the broiler barn meets the required specifications prior to the post construction inspection cited in condition #17.
16. The permit holder shall complete construction of the broiler barn prior to November 30, 2029. Upon request, this deadline may be extended in writing by the NRCB.
17. The permit holder shall not place manure or allow livestock to enter the broiler 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.
18. The permit holder shall not place manure or allow livestock to enter the broiler barn until conditions #27-31 have been met.

Mixed poultry barn

19. The concrete used to construct the liner of the mixed poultry barn 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 from a qualified third party, confirming that the



concrete used for the manure collection and storage areas of the mixed poultry barn meets the required specifications prior to the post construction inspection cited in condition #21.

20. The permit holder shall complete construction of the mixed poultry barn prior to November 30, 2029. Upon request, this deadline may be extended in writing by the NRCB.
21. The permit holder shall not place manure or allow livestock to enter the mixed poultry 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.
22. The permit holder shall not place manure or allow livestock to enter the mixed poultry barn until conditions #27-31 have been met.

Manure storage tank

23. The permit holder shall provide the NRCB with a written construction completion report for the manure storage tank. This report shall be stamped and signed by a “professional engineer”, as defined in the *Standards and Administration Regulation*, and shall:
 - a. Certify that the manure storage tank was constructed at the location specified in the site plan provided with the application,
 - b. Certify that the manure storage tank was constructed according to the recommended construction procedures and design specifications in the permit holder’s March 2024 report titled: Ivy Ridge Colony Farming Manure Storage Tank,
 - c. Certify the thickness, type, and compressive strength of the concrete, the type, size, and spacing of the reinforcement, and the type of sealants used to seal joints and extrusions which penetrate the manure storage tank walls and floor,
 - d. Confirm the manure storage tank’s final dimensions, including elevations above and below grade, liner thickness, height, and diameter, and
 - e. Certify the manure storage tank was constructed to be filled in the lower $\frac{1}{4}$.
24. The permit holder shall not place manure in the manure storage tank until the construction completion report has been reviewed and accepted in writing by the NRCB. This document must be provided to the NRCB at least 10 working days prior to the inspection referenced in condition #26 below or by a later date stated by the NRCB.
25. The permit holder shall complete construction of the manure storage tank prior to November 30, 2029. Upon request, this deadline may be extended by the NRCB in writing.
26. The permit holder shall not place manure in the manure storage tank 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.



Solid manure storage pad

27. The permit holder shall immediately cease construction of the solid manure storage pad and contact the NRCB if the water table is observed to be one meter or less from the bottom of the liner at the time of construction.
28. The permit holder shall provide the NRCB with a written construction completion report for the solid manure storage pad. This report shall be stamped and signed by a “professional engineer”, as defined in the *Standards and Administration Regulation*, and shall:
 - a. Certify that the solid manure storage pad was constructed at the location specified in the site plan provided,
 - b. Confirm that the water table was not observed to be one meter or less from the bottom of the liner at the time of construction,
 - c. Certify that the solid manure storage pad was constructed with the same material that was submitted for hydraulic conductivity testing,
 - d. Confirm the solid manure storage pad’s final dimensions, including elevations below and above grade, and liner thickness (1.01 m), and
 - e. Provide the in-situ density test results of the compacted soil liner.
29. The permit holder shall not place manure on the solid manure storage pad until the construction completion report has been reviewed and accepted in writing by the NRCB. This document must be provided to the NRCB at least 10 working days prior to the inspection referenced in condition #31 below or by a later date stated by the NRCB.
30. The permit holder shall complete construction of the solid manure storage pad prior to November 30, 2029. Upon request, this deadline may be extended by the NRCB in writing.
31. The permit holder shall not place manure on the solid manure storage pad 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.

Operating condition

32. The permit holder shall visually inspect the manure storage tank sump annually. If any liquid is observed in the manure storage tank sump, the permit holder shall collect a sample and send the liquid for analysis following the parameters outlined in LA23050 Leak Detection Monitoring Requirements. The NRCB may, based on the monitoring results and at its discretion, revise those requirements from time to time, in writing.

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

January 28, 2025

(Original signed)
Kelsey Peddle
Approval Officer