



Total permitted animal capacity from all permits for this site:
180 milking cows (plus associated dries and replacements)
22,500 chicken layers (plus associated pullets)
6,000 chicken broilers
475 beef finishers
800 ducks
40 sheep (ewes with lambs)
300 swine farrow to finish
300 beef feeders
20 horses
200 geese

In consideration of Decision Summary LA20045, Approval LA20045 is issued to:

Name: Hutterian Brethren Church of Wheatland Colony (the "permit holder")
Address: Box 360, Rockyford AB T0J 2R0
Contact person: John Waldner

Permitted construction (based on the submitted site plan):

- Chicken layer barn – 82.3 m x 26.2 m (270 ft. x 86 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 LA20045 and Authorizations LA06008, LA16009, and LA20008 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 in condition #3.

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

Construction conditions

Concrete (report and specifications)

1. The concrete used to construct the manure storage and collection system in the chicken layer 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 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 dairy barn extension prior to November 30, 2022. Upon request, this deadline may be extended by the NRCB in writing.

Post construction inspection

3. The permit holder shall not place manure or livestock in the chicken 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.

Operating conditions

4. The NRCB is to be notified immediately if there is an overflow of leak from any of the manure storages.
5. Earthen Manure Storage (EMS) Leakage Detection System Reporting
 - a. Leakage detection well results must be submitted to the NRCB in report format until such time as the NRCB adjusts the monitoring frequency, test parameters and/or report content. All reports (comprehensive and /or indicator) must include, but will not be limited to:
 - Background information – site description, soil logs, diagrams
 - Water level elevations
 - Elevation of liquid manure in the EMS at the time of water sampling
 - Dates when the EMS was emptied
 - Inspection of the surface well casing for its integrity
 - Explanation of the water sampling collection technique
 - Field and laboratory work
 - Discussion and explanation of the results including a trend analysis
 - Recommendations
 - b. An indicator report must be done annually on MW-1 to MW-7 with results submitted to the NRCB by November 30, beginning in 2006. The indicator report must include laboratory analysis of the indicator parameters outlined in the most recent NRCB technical guideline “Leak Detection and CFO’s.

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

Wheatland Colony’s deemed permit, and NRCB issued Authorizations LA06008, LA16009, and LA20008 are hereby cancelled and are no longer in effect, unless Approval LA20045 is held invalid, in which case the previous permits will remain in effect.

January 13, 2021

(original signed)
Carina Weisbach
Approval Officer

Approval LA20045 – Appendix

Existing permitted facilities

Authorization LA20008	<ul style="list-style-type: none"> • Dairy barn extension (dry pack) – 15.2 m x 27.4 m
Authorization LA16009	<ul style="list-style-type: none"> • Modification of manure storage pits in the dry sow and finisher section of the existing swine barn
Authorization LA06008	<ul style="list-style-type: none"> • Addition of finishing room and quarantine room to swine barn (77.4 m x 10.2 m x 0.6 m deep pits)
Grandfathered facilities	<ul style="list-style-type: none"> • Feedlot (1/2 circle shape, area 15200 m²) • Catch basin (48 m x 28 m) • Hog barn (84 m x 64 m) • EMS (5 m x 82 m) • Dairy barn (32 m x 59 m) plus outside pen (55 m x 117 m) • Calf/heifer pens (45 m x 105 m) • Poultry barns (76 m x 17 m and 72 m x 17 m)

Construction conditions (brought forward from Authorization LA20008)

Concrete (report and specifications)

6. The concrete used to construct the manure storage and collection system in the barn extension 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

7. The permit holder shall complete construction of the manure collection and storage portions of the dairy barn extension prior to December 31, 2021. Upon request, this deadline may be extended by the NRCB in writing.

Post construction inspection

8. The permit holder shall not place manure or livestock in the dairy barn extension 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.

Construction conditions (brought forward from Authorization LA16009)

1. Construction completion deadline

The permit holder shall complete modification of the manure collection and storage portions of the swine barn pits prior to November 30, 2018. Upon request, this deadline may be extended by the NRCB in writing.

Construction Completion Report

The concrete used to modify the manure storage and collection system in the swine barn pits must meet the technical guideline "Non-Engineered Concrete Liners for Manure Collection and Storage Areas". Specifically:

- Concrete strength must be at least 32MPa at 56 days (maximum water to cement ratio of 0.45)
- Cement type must be High Sulphate Resistant (HS) or High Sulphate Resistant blend (HSb) (formerly known as Type 50) or equivalent
- Pit floor and walls must have adequate rebar
- Leak control which is compatible with manure and sulphates must be employed at piping and other extrusions and all floor and wall joints

The permit holder shall provide a construction completion report that demonstrates how the concrete in the newly-modified pits of the swine barn meets these requirements.

3. Post construction inspection

The permit holder shall not place livestock in any of the modified areas of the swine barn until the NRCB has inspected those areas and stated in writing that the areas have been modified in accordance with this authorization.

The permit holder shall contact the NRCB at least 10 working days in advance of the desired inspection date to schedule the inspection.

4. Plan to mitigate risk to surface water from existing facilities

The permit holder shall provide a written plan to mitigate the risks to surface water from the following facilities:

- Duck/goose shed and pens
- Feedlot catch basin
- Earthen liquid manure storage
- Dairy shed and pens
- Dairy exercise pens

The permit holder shall not place livestock in the modified areas of the swine barn until the plan has been reviewed, accepted in writing, and implemented to the satisfaction of the NRCB.

Construction conditions (brought forward from Authorization LA06008)

1. Concrete Manure Storage - Floors and Gutters

- a. The concrete used to construct the manure storage and collection system in the barn must have a minimum 56-day strength of 32 MPa, a maximum water to cement ratio of 0.45 and be type 50 sulphate resistant.

2. 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 and conditions in this Authorization prior to animals or manure being placed in the addition to the existing swine barn.

3. 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 existing swine barn.
- b. The applicant must provide the Approval Officer a minimum of 10 working days notice prior to the applicant's desired completion inspection.

4. Construction Completion

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