



Total permitted animal capacity from all permits for this site:
500 milking cows (plus dries and replacements)

In consideration of Decision Summary RA24005, Approval RA24005 is issued to:

Name: Wilpshaar Dairy Ltd. (the “permit holder”)
Address: RR 2 Clive, AB T0C 0Y0
Contact person: Herco Wilpshaar

Permitted construction (based on the submitted site plan):

- Expansion to freestall barn – 88.1 m x 32 m (for total dimensions of 180.8 m x 32 m)
- Synthetically lined liquid manure storage – 60 m x 60 m x 4.5 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, the site plan, building plans, operating plan, manure management plan, engineering reports and other attached documents included with filed Applications RA24005, RA12002, RA18018 and RA19014.

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 2 and 5.

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

Construction conditions

Expansion to the existing freestall barn

1. The concrete used to construct the liner of the expansion to the freestall barn 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 storage areas meets the required specifications.
2. The permit holder shall not allow livestock or manure in the expansion to the freestall 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.
3. The permit holder shall complete construction of the manure collection and storage portions of the expansion to the freestall barn prior to November 30, 2027. Upon request, this deadline may be extended by the NRCB in writing.



Synthetically lined liquid manure storage

4. The permit holder shall provide the NRCB with a written construction completion report for the synthetically lined liquid manure storage. The report must be stamped and signed by a “professional engineer,” as defined in the Standards and Administration Regulation, and must confirm that the synthetically lined liquid manure storage:
 - has been constructed at the location specified in the site plan provided with the application, including final dimensions and depth below grade
 - has been constructed in accordance with the proposed design
 - has a 60 mil HDPE liner
 - was installed in accordance with the liner supplier’s requirements, including under membrane surface preparation and proper sealing at all seams
5. The permit holder shall not place manure in the synthetically lined liquid manure storage until NRCB personnel have inspected it and stated in writing that it has been constructed in accordance with the terms and conditions of this approval.
6. The permit holder shall complete the construction of the synthetically lined liquid manure storage prior to November 30, 2027. Upon written request, this deadline may be extended by the NRCB in writing.

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

Approval RA12002 and Authorizations RA18018 and RA19014 are therefore superseded, and their content consolidated into this Approval RA24005, unless Approval RA24005 is held invalid following a review and decision by the NRCB’s board members or by a court, in which case Approval RA12002 and Authorizations RA18018 and RA19014 will remain in effect.

June 21, 2024

(Original signed)

Francisco Echegaray, P. Ag.
Approval Officer



RA24005 – Appendix

Existing permitted facilities

Facility	Dimensions (m)	
Freestall barn	92.7 m x 32 m	RA12002
Synthetic lined liquid manure storage facility	60 m x 60 m x 4.5 m	RA12002
Milking parlor	67 m x 29 m	RA12002
Heifer barn	67 m x 30.5 m	RA18018
Dry cow shed (built on top of manure storage pad)	29.8 m x 16 m	RA18018
Liquid manure collection pit	3.1 m x 3.1 m x 2.5 m	RA19014

Construction conditions

Brought forward from Approval RA12002:

1. Completion Reports

- a. The concrete used to construct the scrape alley system in the dairy barn must have a minimum 28-day strength of 25MPa. A copy of the concrete supplier's invoice must be provided to confirm the concrete specifications.
- b. The concrete used to construct the manure storage in-barn pits in the barn must have a minimum 28-day strength of 30MPa. A copy of the concrete supplier's invoice must be provided to confirm the concrete specifications.
- c. "A written report prepared by a professional engineer must be provided. The written report must contain: confirmation that the liquid manure storage facility is located according to the amended and approved site plan as provided; the dimensions of the liquid manure storage including depth; the construction procedure of sub-grade and installation of the synthetic liner as per Layfield Environmental Systems requirements and as described in the Envirowest Engineering Inc. report submitted with the application". The report must be provided to the NRCB prior to manure entering the storage facility.
- d. If the water table is encountered and causes or creates construction problems or delays during construction of the new EMS, construction must cease in the problem construction area and the NRCB must be notified immediately.

2. Miscellaneous

- a. If the water table is encountered and causes or creates construction problems or delays during construction of the new EMS, construction must cease in the problem construction area and the NRCB must be notified immediately.



3. Construction Completion

- a. Construction of the manure collection and storage portions of the new dairy barn must be completed prior to October 30, 2014, unless otherwise agreed upon in writing by the NRCB.
- b. Construction of the manure collection and storage portions of the new liquid manure storage with synthetic liner must be completed prior to October 30, 2014, unless otherwise agreed upon in writing by the NRCB.

4. Inspections

- a. The manure storage portion of the new dairy barn must be inspected by NRCB personnel prior to animals or manure being placed in the new dairy barn.
- b. The manure storage portion of the new liquid manure storage with synthetic liner must be inspected by NRCB personnel prior to manure being placed in the new liquid manure storage facility.

Brought forward from Authorization RA18018:

Heifer Barn

1. The concrete used to construct the manure storage and collection system in the heifer barn must have a minimum 56-day strength of 30 MPa. The permit holder shall provide written 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 2 below, or by a later date stated by the NRCB.
2. The permit holder shall not allow livestock or manure in the heifer 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 complete construction of the manure collection and storage portions of the heifer barn with an attached manure collection area prior to November 30, 2020. Upon request, this deadline may be extended by the NRCB in writing.

Manure collection pad (now dry cow shed)

3. The concrete used to construct the manure storage and collection system in the manure collection pad (attached to the heifer barn) must have a minimum 56-day strength of 30 MPa. The permit holder shall provide written 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 below, or by a later date stated by the NRCB.



5. The permit holder shall not allow manure in the manure collection pad (attached to the heifer 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.

Brought forward from Authorization RA19014:

1. The concrete used to construct the liner of the new manure collection pit must meet the specifications for category B (liquid manure – shallow pits), 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 meets the required specification. This document must be provided to the NRCB prior to the inspection referenced in condition 2 below, or by a later date stated by the NRCB.
2. The permit holder shall not allow manure in the manure collection pit 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 manure collection pit prior to November 30, 2020. Upon request, this deadline may be extended by the NRCB in writing.