



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

In consideration of Decision Summary RA25002, Approval RA25002 is issued to:

Name: Arie, Dineke and Johannes (Harm) Phillipsen and Philipsen Farm Ltd.
(the “co-permit holders”)
Address: RR 5 Lacombe, AB T4L 2N5
Contact person: Johannes (Harm) Phillipsen

Permitted construction (based on the submitted site plan):

- Free stall barn – 129.8 m x 81.1 m
- Sand barn – 82.9 m x 21.3 m (with pits)
- Calving and prefresh barn – 65.8 m x 40.5 m
- Decommission a portion of the existing heifer barn
- Convert the existing free stall barn and milking parlour to a dry cow/heifer barn

Ancillary facilities

- Milking parlour building – 78.6 m x 29.6 m

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

The co-permit holders shall adhere to the descriptions, the site plan, building plans, engineering reports and other attached documents included with filed Application RA25002 together with associated permits Authorization RA18021 and Approval RA16003B.

The co-permit holders shall contact the NRCB at least 10 working days in advance of the desired inspection date to schedule the inspection in conditions 2, 5, 8, and 11.

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

Construction conditions

Free stall barn

1. The concrete used to construct the liner of the new free stall 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 co-permit holders 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 co-permit holders shall not allow livestock or manure in the new free stall 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 co-permit holders shall complete construction of the manure collection and storage portions of the new free stall barn prior to December 31, 2029. Upon request, this deadline may be extended by the NRCB in writing.

Sand barn

4. The concrete used to construct the liner of the sand barn must meet the specifications for category B (liquid manure shallow pits) and category C (solid manure – wet) in Technical Guideline Agdex 096-93 “Non-Engineered Concrete Liners for Manure Collection and Storage Areas”. The co-permit holders 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.
5. The co-permit holders shall not allow manure in the sand 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.
6. The co-permit holders shall complete construction of the manure collection and storage portions of the sand barn prior to December 31, 2029. Upon request, this deadline may be extended by the NRCB in writing.

Calving and prefresh barn

7. The concrete used to construct the liner of the new calving/prefresh 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 co-permit holders 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.
8. The co-permit holders shall not allow livestock or manure in the calving/prefresh 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.
9. The co-permit holders shall complete construction of the manure collection and storage portions of the calving/prefresh barn prior to December 31, 2029. Upon request, this deadline may be extended by the NRCB in writing.

Conversion of milking parlour to dry cow/heifer barn

10. The concrete used to construct the liner to convert the milking parlour to a dry cow/heifer 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 co-permit holders 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.

11. The co-permit holders shall not allow livestock or manure in the converted dry cow/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.
12. The co-permit holders shall complete construction of the manure collection and storage portions of the converted dry cow/heifer barn prior to December 31, 2029. Upon request, this deadline may be extended by the NRCB in writing.

Operating conditions (carried forward and updated from Approval RA16003B)

13. The co-permit holders shall sample and test raw groundwater from water well #291848, according to water well monitoring requirements prescribed by the NRCB in writing. The NRCB may, based on the monitoring results and at its discretion, revise those requirements from time to time, in writing (see attached RA25002 Water Well Monitoring Statement).

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

Authorization RA18021 and Approval RA16003B are hereby superseded, and their content consolidated into this Approval RA25002, unless Approval RA25002 is held invalid following a review and decision by the NRCB's board members or by a court, in which case Authorization RA18021 and Approval RA16003B will remain in effect.

August 19, 2025

(Original signed)
Lynn Stone
Approval Officer

Approval RA25002 – Appendix

Existing permitted facilities

Facility	Dimensions (m)	From
Dry cow shed	103.7 m x 19.5 m (total dimensions)	Approval RA16003B and expanded in Authorization RA18021
Earthen Manure Storage (EMS)	93 m x 87 m x 4.5 m deep (total dimensions)	Development Permit 201/98 and expanded in Approval RA16003
Free stall barn (to be converted to a dry cow/heifer barn)	61 m x 36 m x 2.4 m deep	Approval RA16003B
Solid manure storage pad	25. m x 15 m	Approval RA16003B
Main barn (parlour strawpack barn) (to be converted to a dry cow/heifer barn)	49.9 m x 43.9 m	Development Permit 201/98
Free stall barn	46.3 m x 34.7 m	Development Permit 192/99
Heifer barn (corrals) (barn to be partially decommissioned in RA25002)	88.3 m x 78.2 m (total dimensions)	Approval RA16003
Former parlour/holding area (to be converted to dry cow/heifer barn)	11 m x 38.4 m	Development Permit; Converted in RA25022

Construction conditions (brought forward from Authorization RA18021 – previously met)

1. The permit holder shall not allow livestock or manure in the extended portion of the dry cow shed 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.
2. The permit holder shall complete construction of the manure collection and storage portions of the extension to the dry cow shed prior to November 30, 2020. Upon request, this deadline may be extended by the NRCB in writing.

Construction Conditions (brought forward from Approval RA16003B – previously met)

Construction completion reports

Earthen liquid manure storage expansion (EMS)

1. The permit holder shall provide the NRCB with a written construction completion report for the EMS expansion. The report shall be stamped and signed by a “professional engineer,” as defined in the Standards and Administration Regulation, and shall:



- Certify that the EMS-expansion was constructed at the location specified in the site plan provided with the application;
- Certify that the liner material used in the EMS expansion is from the same source as the material that was submitted for hydraulic conductivity testing;
- Certify that the EMS expansion was constructed according to the recommended construction procedures in the May 9, 2016 report prepared by Envirowest Engineering Inc.
- Provide the constructed EMS dimensions, including elevations below and above grade, liner thickness, berm height, and side slopes;
- Provide the in-situ density test results of the constructed liner of the EMS extension.

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

Free stall barn extension

2. The permit holder shall provide the NRCB with a written construction completion report for the free stall barn extension. The report shall be stamped and signed by a “professional engineer,” as defined in the Standards and Administration Regulation, and shall certify that the manure collection and storage portions of the barn extension were constructed in accordance with the submitted site plans including in-barn pit depth, concrete strength, water stops and sealing of pipe extrusions.

Solid manure storage pad

3. The permit holder shall provide proof that the concrete used to construct the solid manure storage pad meets the specifications set out in Technical Guideline Agdex 096-93: Non-Engineered Concrete Liners for Manure Collection and Storage Areas.

Heifer corrals (adjacent to heifer barn)

4. The permit holder shall provide the NRCB with a written construction completion report for the corrals adjacent to 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, through an in-situ density test, that the hydraulic conductivity of the compacted clay liner of the corrals adjacent to the heifer barn meet the requirements of AOPA.

Construction completion deadlines

Earthen liquid manure storage (EMS)

5. The permit holder shall complete construction of the expanded manure collection and storage portions of the EMS prior to November 30, 2019. Upon request, this deadline may be extended by the NRCB in writing.

Free stall barn extension

6. The permit holder shall complete construction of the manure collection and storage portions of the free stall barn extension prior to November 30, 2019. Upon request, this deadline may be extended by the NRCB in writing.

Post construction inspections

7. The permit holder shall not place manure in the manure storage portion of the barn and in the EMS, until both the barn and EMS have 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 carried over from Development Permit 201/98

1. All livestock facilities (barn and manure storage) to be located no closer than 150 feet from surface water bodies, or 600 feet from west property boundary
2. Minimum twelve-month manure storage capacity required for operation
3. Earthen storage lagoon to be properly constructed, including design, construction, supervision and certification of structure by a licensed engineer
4. Inlet pipe to be placed near bottom of lagoon
5. Manure storage site shall have compacted clay berm constructed to divert drainage around site and prevent run-off or leachates
6. Shelterbelt to be planted around barn and manure storage prior to start of operation
7. Berm or other works to be constructed to prevent escape of livestock waste that may cause pollution of intermittent drainage course and slough on property

Construction Conditions carried over from Development Permit 192/99

1. Prior to start of expanded operation, SE18-41-26 W4M and NE18-41-26 W4M shall be consolidated into single lot