



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

In consideration of Decision Summary RA21001A, Approval RA21001A is issued to:

Name: Adrianus (Arie) and Antonia VandenBroek (the “co-permit holders”)
Address: RR1 Site 5 Box 30 Olds, AB T4H 1P2
Contact person: Adrianus (Arie) VandenBroek

Permitted construction (based on the submitted site plan):

- Dairy barn (46 m x 105 m) (with in-barn pit)
- Solid manure storage pad (30 m x 15 m)
- Earthen Manure Storage (32 m in radius at floor, 5.3 m high)

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 contained in the filed application RA21001 and RA21001A, together with the site plan, building plans, and other attached documents, unless otherwise noted in the following conditions.

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, and 9.

The co-permit holders are responsible for all costs associated with testing, recording and reporting requirements.

Construction conditions

Dairy Barn (with in-barn pit)

1. The concrete used to construct the liner of the dairy barn (and in-barn pit) 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 documentation, confirming that the concrete used for the manure collection and storage areas meet the required specifications.
2. The co-permit holders shall not allow livestock or manure in the dairy barn, or manure in the pit, until the facilities have been inspected by NRCB personnel and confirmed by them, in writing, to have been constructed 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 dairy barn (and in-barn pit) prior to December 31, 2023. Upon request, this deadline may be extended by the NRCB in writing.



Solid Manure Storage Pad

4. The concrete used to construct the liner of the solid manure storage pad must meet the specifications 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 documentation, confirming that the concrete used for the manure collection and storage areas meet the required specifications.
5. The co-permit holders shall not allow 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 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 solid manure storage pad prior to December 31, 2023. Upon request, this deadline may be extended by the NRCB in writing.

Earthen Manure Storage

7. The co-permit holders shall provide the NRCB with a written construction completion report for the new EMS. The report shall be stamped and signed by a "professional engineer", as defined in the Standards and Administration Regulation, and shall:
 - a. certify that the EMS was constructed at the location specified in the site plan provided with the application;
 - b. certify that the liner material used in the EMS is the same material that was submitted for hydraulic conductivity testing;
 - c. certify that the EMS was constructed according to the recommended construction procedures in the May 8, 2023, Site and Soil Assessment by Envirowest Engineering Inc.; and
 - d. provide the constructed EMS dimension, including elevations below and above grade, liner thickness, berm height, and side slopes.

This report must be provided to the NRCB before the inspection referenced in condition #9 below, or by a later date stated by the NRCB.

8. The co-permit holders shall immediately cease construction of the earthen manure storage and contact the NRCB if the water table is observed to be one metre or less from the bottom of the liner of the earthen manure storage.
9. The co-permit holders shall not allow manure in the earthen manure storage, until the facility has been inspected by NRCB personnel and confirmed by them, in writing, to have been constructed with the terms and conditions of this permit.
10. The co-permit holders shall complete construction of the manure collection and storage portions of the earthen manure storage facility prior to December 31, 2023. Upon 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 RA21001 is hereby superseded and its content consolidated into this Approval RA21001A, unless Approval RA21001A is held invalid following a review and decision by the NRCB's board members or by a court, in which case Approval RA21001 will remain in effect.

July 26, 2023

(Original signed)
Lynn Stone
Approval Officer