



Total permitted animal capacity from all permits for this site:

400 milking cows (plus associated dries and replacements)

In consideration of Decision Summary RA19060, Approval RA19060 is issued to:

Name: Christiaan Goselink, and Goselink Holsteins Ltd. (the “co-permit holders”)
Address: RR4 Eckville AB T0M 0X0
Contact person: Christiaan Goselink

Permitted construction (based on the submitted site plan):

- Dairy barn (151.2 m x 37.2 m)
- Solid manure storage pad extension (from 48.8 m x 24.4 m to 60.4 m x 24.4 m)
- Ancillary structure, milking facility (54.9 m x 33.5 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 contained in the filed application RA19060, 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 and #5.

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

Construction conditions

New Dairy Barn

1. The concrete used to construct the liner of the manure collection and storage portions of the new dairy barn must meet the specifications for category B (liquid manure shallow pits) for the manure pits, and category C (solid manure – wet) for the barn floor in Technical Guideline Agdex 096-93 “Non-Engineered Concrete Liners for Manure Collection and Storage Areas”. The co-permit holders shall provide written documentation, from a qualified third party, 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 new dairy barn until the barn has 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 new dairy barn prior to November 30, 2022. Upon request, this deadline may be extended by the NRCB in writing.

Solid manure storage pad extension

4. The concrete used to construct the liner of the manure collection and storage portions of the solid manure storage pad extension must meet the specifications for category C (solid manure – wet) for in Technical Guideline Agdex 096-93 “Non-Engineered Concrete Liners for Manure Collection and Storage Areas”. The co-permit holders shall provide written documentation, from a qualified third party, 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 extension until the extension 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 extension prior to November 30, 2022. Upon request, this deadline may be extended by the NRCB in writing.

Conditions carried forward from RA14009A

7. Decommissioning of the old EMS must not commence until the new liquid manure storage tank has been constructed, and must be completed within one year of construction of the new storage tank, unless otherwise directed in writing by the NRCB.

Conditions carried forward from RA14009A and updated under Section 23 of AOPA

8. The permit holder shall sample and test raw groundwater from WW ID#1065104, according to the 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.

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

Authorizations RA14009A and RA19044 are hereby cancelled and are no longer in effect, unless Approval RA19060 is held invalid, in which case the previous permits will remain in effect.

July 24, 2020

(Original Signed)
Lynn Stone
Approval Officer

Approval RA19060 – Appendix

Existing permitted facilities

2014 Dairy Barn (“straw pack barn”)	RA14009A
2014 Solid manure storage pad	RA14009A
Concrete liquid manure storage tank	RA14009A
Calf Barn	RA19044
Original dairy barn	Grandfathered, to be decommissioned
Dairy Pens	Grandfathered, to be decommissioned
Earthen Manure Storage	Grandfathered, to be decommissioned

Completed construction conditions from RA14009A

1. The permit holder shall provide the NRCB with a written construction completion report for the new concrete liquid manure storage tank. The report shall be issued by a professional engineer and shall verify:
 - That the concrete liquid manure storage facility was constructed at the same location as that noted on the December 14, 2018 site plan provided with the application.
 - That the concrete material used in the liquid manure storage facility is the same material that was recommended by Cognidyn Engineering & Design on December 10, 2018 report.
 - That the concrete liquid manure storage tank facility was constructed according to the engineered plans and procedures in the Cognidyn Engineering & Design on December 10, 2018 report.
 - The constructed concrete liquid manure storage tank dimensions, including elevations above grade, liner thickness, height and diameter
 - The tank size, including depths below and above grade
 - 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 concrete liquid manure storage tank walls and floors.
2. The permit holder shall immediately cease construction of the new manure storage facilities, and contact the NRCB, if the water table is one metre or less from the bottom elevation of the manure storage facilities during construction.
3. Construction of the new concrete liquid manure storage tank must be completed prior to December 31, 2019.
4. The concrete liquid manure storage tank must be inspected by NRCB personnel prior to manure being placed in the tank.
5. The concrete liquid manure storage tank must be constructed in the location specified in this application, and in the follow up email on May 13, 2019.



6. A written plan for decommissioning of the existing earthen liquid manure storage (EMS) must be filed with the NRCB by March 30, 2020, unless otherwise directed in writing by the NRCB. This plan must be approved in writing by the NRCB prior to the start of decommissioning of the existing EMS.