



**Total permitted animal capacity from all permits for this site:**

350 milking cows (plus dries and replacements)

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In consideration of Decision Summary RA20043A, Approval RA20043A is issued to:

Name: Lucky Hill Dairy Ltd. (the "permit holder")  
Address: RR1 Site 11 Box 11 Lacombe AB T4L 2N1  
Contact person: Joanne VanderLinde

**Permitted construction** (based on the submitted site plan):

- cow barn (121.9 m x 32.9 m)
- a synthetically lined liquid manure storage (100 m x 50 m x 5 m deep)

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 for Approvals RA20043 and RA20043A, 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 inspections referenced in conditions #s 2 and 5.

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

**Construction conditions**

Cow barn

1. The concrete used to construct the liner of the new cow 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 specification.
2. The permit holder shall not allow livestock or manure in the new cow 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 cow barn prior to November 30, 2023. 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 enviro 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 allow manure in the synthetically lined liquid manure storage, 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 permit holder shall complete construction of the manure collection and storage portions of the synthetically lined liquid manure storage prior to November 30, 2023. Upon request, this deadline may be extended by the NRCB in writing.

**Operating conditions - (Carried forward from Approval RA10033M)**

7. The owner/operator shall conduct leak detection monitoring for the liquid manure storage facility as prescribed and authorized in writing, and as amended from time to time where appropriate, by the NRCB.
8. Any manure contaminated run-off to be fully contained on owner's property. Drainage courses or other bodies of water must be protected from possible contamination. The owner/operator will be required to maintain permanent grass buffer between outside pens and natural ponding area to north.
9. All manure to be directly injected into soil.
10. Dead animal designated collection site must not be visible to the public.

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

Approval RA20043 is hereby cancelled and is no longer in effect, unless Approval RA20043A is held invalid, in which case Approval RA20043 will remain in effect.

November 9, 2021

(Original Signed)  
Francisco Echegaray, P.Ag  
Approval Officer



## **Approval RA20043A – Appendix**

### **Existing permitted facilities**

- Liquid manure storage (64 m x 46 m x 4.5 m deep) – Permitted by D.P 147/00
- Dry barn/ heifer barn (56.2 m x 24.7 m)
- Irregular shaped dairy barn (43.9 m x 19.5 m) + (89 m x 30.2)
- Livestock corrals and pens

### **Already met construction conditions - Carried forward from Approval RA10033M**

Permitted construction or increase in animals based on submitted application and site plan:

- Prior to start of expanded operation, assessment to be provided to County of risks of manure contaminated run-off from dairy entering Gull Lake. Assessment shall be undertaken by qualified professional, and must indicate drainage patterns for lands where dairy is located and on which manure is to be spread. Owner/operator of dairy will be required to follow recommendations set out in assessment.
- Lagoon to be constructed with synthetic liner as recommended by Envirowest Engineering Inc. in Manure Storage Lagoon Assessment in report dated May 1, 2000.
- Manure storage to be properly engineered, including design, construction and supervision with completion certificate from licensed professional engineer to be given to County prior to start of operation.
- Prior to the start of the expanded operation, trees to be planted around the lagoon.
- A groundwater monitoring system designed by a qualified professional must be installed around the liquid manure storage facility