



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

In consideration of Decision Summary LA21063, Approval LA21063 is issued to:

Name: Leeuwenburgh Dairy Farms Ltd. (the “permit holder”)
Address: Box 25, Lethbridge AB T1J 3Y3
Contact person: Willard Leeuwenburg

Permitted construction (based on the submitted site plan):

- Dairy barn – 92.0 m x 41.8 m (302 ft. x 137 ft.)
- Converted old dugout into EMS – 69.5 mx 28.0 m x 5.8 m (228 ft. x 92 ft. x 19 ft.)

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 applications LA21063, development permit #59-20 and Registration LA07037, 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 inspection in condition #4.

Construction conditions

1. The concrete used to construct the manure storage and collection system in the barn must have a minimum 56-day strength of 32 MPa and a maximum water to cement ratio of 0.45. The permit holder shall provide a copy of the concrete supplier’s invoice or other proof to the NRCB to confirm that the specifications of the concrete used in the construction meet AOPA requirements. 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.

Construction Deadline

2. The permit holder shall complete construction of the manure collection and storage portions of the dairy barn prior to January 30, 2023. Upon request, this deadline may be extended by the NRCB in writing.

Construction above the water table

3. The permit holder shall immediately cease construction of the dairy barn and contact the NRCB if the water table is observed to be 1 m or less from the bottom of the dairy barn’s liner.



Post-construction inspection and review

4. The permit holder shall not place manure or livestock in the manure storage or collection portions of the dairy barn, until
 - a) the barn has 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.
 - b) proof has been provided that the permit holder has access to permitted, constructed liquid manure storage facility(s), which have been approved for use, with a total capacity of at least 6,750 m³ prior to being allowed to increase milking cow numbers at the CFO site (NW 36-9-22 W4M).

Manure handling plan

On-going condition:

5. The permit holder shall maintain records to support that access to sufficient off-site liquid manure storage facility(s) continues to be available. This proof of access has to be provided to the NRCB annually, in June, and has to be valid for the year following the provision of the report.
6. The permit holder shall maintain and provide proof to the NRCB, of a mechanism to transport manure from the CFO to the off-site liquid manure storage facility(s). This proof has to be provided to the NRCB annually, in June, and has to be valid for the year following the provision of the report.
7. The permit holder shall immediately notify the NRCB should access to the off-site liquid manure storage facility(s) or ability to transport manure cease.

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

Registration LA07037 and Lethbridge County permit 59-20 are hereby superseded and are no longer in effect, unless Approval LA21063 is held invalid, in which case the previous permits will remain in effect.

April 26, 2022

(Original signed)

Carina Weisbach
Approval Officer



LA21063 – Appendix

Existing permitted facilities

Facility	Dimensions (m)	From
Dairy barn extension	15.75 m x 19.5 m	Registration LA07037
Dairy barn	79.2 m x 15.8 m	MD Permit 59-20
Concrete liquid manure storage	15.8 m 15.8 m x 2.4 m deep	Grandfathered (incl. all listed below)
Calf barn	21.3 m 12.2 m	
Solid manure storage	14 m x 17 m	
Catch basin	16 m x 36 m	
Coverall building	30 m x 15.2	Added on existing footprint
Calf pen	27.4 m 20.7 m	
Young stock pen	27.4 m 22 m	
Heifer pen	22.8 m 30.5 m	
Bull pen	48.2 m 22.9 m	
Dry cow pen	22.9 m 22.3 m	
Close up pen	26.2 m 22.2 m	

Construction conditions (brought forward from Registration LA07037)

1. Completion Reports
 - (a) The concrete used to construct the scrape alleys of the new barn addition must have a minimum 56-day strength of 30 MPa, a maximum water to cement ratio of 0.50, must be air entrained and must provide sulphate protection A copy of the concrete supplier's invoice must be provided to confirm the concrete specifications before animals will be allowed to enter the new barn addition.
 - (b) A completion report prepared by a qualified third party confirming the dairy barn extension construction procedures must be provided to the NRCB prior to manure entering the facility
2. Construction Completion
 - (a) Construction of the manure collection and storage portions of the CFO facility must be completed prior to January 31, 2011 unless otherwise agreed upon by the NRCB."
3. Inspections
 - (a) The dairy barn extension must be inspected by NRCB personnel prior to manure being placed in the liquid manure storage facilities.

Construction conditions (brought forward from MD Permit 59-20)

1. The Developer/Owner shall apply for and meet all conditions of a Certificate of Compliance from Alberta Agriculture/Environment.
2. The Developer/Owner shall receive approval from the Barons Eureka Warner Health Unit and meet all regulations and requirements.
3. The Developer/Owner shall submit final site and building plans for approval to the County of Lethbridge No. 26 prior to the commencement of construction.