



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

In consideration of Decision Summary RA10004B, Approval RA10004B is issued to:

Name: Meilink Dairies, and Roelof and Geke Meilink (the “co-permit holders”)
Address: 28071 Twp Rd 380 Red Deer County AB T4E 2E9
Contact person: Roelof Meilink

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 applications for Approvals RA10004 and RA10004B, and Authorization RA20017 together with the site plan, building plans, operating plan, engineering reports and other attached documents, unless otherwise noted in the following conditions.

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

Approval RA10004 and Authorization RA20017 are hereby cancelled and are no longer in effect, unless Approval RA10004B is held invalid, in which case the previous permits will remain in effect.

January 13, 2022

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



Approval RA10004B – Appendix

Existing permitted facilities

Facility	Dimensions (m)	From permit
liquid manure earthen manure storage (EMS)	80 m x 80 m x 4.8 deep.	Amended under RA10004B
calf barn #2	42 m x 22 m	RA20017
milking parlour/maternity barn	89m x 27.2m	RA10004
livestock barn	133.6m x 32.5m	RA10004
pump room	19.9m x 9.8m	RA10004
calf barn	42.3m x 22.5m	RA10004

The CFO also includes the following ancillary structures:

- 30.5 m x 21.5 m commodity shed
- 85 m x 46 m bunker silo area
- 46 m x 18.3 m hay shed
- 30.5m x 21.4 m shop (used for dairy related equipment)

Construction conditions (brought forward from Approval RA10004)

1. Livestock Barn

- a. Written verification of the new livestock barn floor material and construction procedures, prepared by a qualified third party, must be provided to and approved by the NRCB in writing prior to animals and manure entering the barn. The verification must include the following: barn location with respect to the submitted site plan; dimensions of the barn; confirmation that the distance from the water table to the bottom of the floor at the time of construction was more than 1 metre; thickness of concrete liner for scrape alley floors; 56 day concrete compressive strength; method of concrete sulphate protection; and size and spacing of reinforcing.
- b. Construction of the manure collection and storage portions of the livestock barn must be completed by June 30, 2013 unless otherwise agreed to in writing by the NRCB.
- c. The manure collection and storage portions of the livestock barn must be inspected by NRCB personnel prior to animals or manure being placed in the barn.

2. Milking Parlour/Maternity Barn and Pump Room

- a. Written verification of the new milking parlour/maternity barn and pump room floor and pit materials and construction procedures, prepared by a qualified third party, must be provided to and approved by the NRCB in writing before animals and manure enter the barn and manure enters the pump room. The verification must include the following: barn and pump room locations with respect to the submitted site plan; dimensions of the barn and pump room; pit dimensions; confirmation that distances from the water table to the bottom of the barn and pump room floors and pits at the time of construction were more than 1 metre; thicknesses of concrete liners for barn floors, pit walls and pit floors;



56 day concrete compressive strength; method of concrete sulphate protection; size and spacing of reinforcing; and method of sealing joints.

- b. Construction of the manure collection and storage portions of the milking parlour/maternity barn and pump room must be completed by June 30, 2013 unless otherwise agreed to in writing by the NRCB.
 - c. The manure collection and storage portions of the milking parlour/maternity barn and pump room must be inspected by NRCB personnel prior to animals or manure being placed in the barn and manure being placed in the pump room.
3. Calf Barn
- a. Written verification of the new calf barn floor material and construction procedures, prepared by a qualified third party, must be provided to and approved by the NRCB in writing prior to animals and manure entering the barn. The verification must include the following: barn location with respect to the submitted site plan; dimensions of the barn; confirmation that the distance from the water table to the bottom of the floor at the time of construction was more than 1 metre; thickness of concrete liner for scrape alley floors; 56 day concrete compressive strength; method of concrete sulphate protection; and size and spacing of reinforcing.
 - b. Construction of the manure collection and storage portions of the calf barn must be completed by June 30, 2013 unless otherwise agreed to in writing by the NRCB.
 - c. The manure collection and storage portions of the calf barn must be inspected by NRCB personnel prior to animals or manure being placed in the barn.
4. Liquid Earthen Manure Storage (EMS) Facility
- a. Written verification of the new EMS construction materials and procedures, prepared by a professional engineer, must be provided to and approved by the NRCB in writing before manure can enter the EMS and the pump room, and before manure and animals can enter the milking parlour/maternity barn. The verification must include the following: EMS location with respect to the submitted site plan; dimensions including depths above and below grade; confirmation that the distance from the water table to the bottom of the EMS liner at the time of construction was more than 1 metre; liner thickness; interior and exterior wall side slopes; compaction test results; method of sealing and compacting around piping; installation of erosion protection at inlet pipe; and installation of an agitation ramp.
 - b. Construction of the EMS must be completed by June 30, 2013 unless otherwise agreed to in writing by the NRCB. The EMS must be completed before manure can enter the pump room and before manure and animals can enter the milking parlour/maternity barn.
 - c. The EMS must be inspected by NRCB personnel prior to manure being placed in the EMS.



Construction conditions (brought forward from Authorization RA20017)

1. The concrete used to construct the liner of the new calf 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 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 calf 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 calf barn prior to November 30, 2022. Upon request, this deadline may be extended by the NRCB in writing.