



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

300 milking cows (plus associated dry cows and replacements)

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In consideration of Decision Summary RA21012, Approval RA21012 is issued to:

Name: Diamond M Dairy Ltd., and Meint, Dutie and Sieds Rispens  
(the “co-permit holders”)  
Address: RR4 Ponoka AB T4J 1R4  
Contact person: Meint Rispens

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

- Addition to existing lactating dairy barn (45.7 m x 18.3 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 applications RA13035, RA14034, RA15028, RA16018, R18042 and RA21012, together with the site plans, building plans, engineering report 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 condition three.

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

**Construction conditions**

1. Construction completion deadline

The co-permit holders shall complete the construction of the barn addition prior to January 15, 2024. Upon written request, this deadline may be extended by the NRCB in writing.

2. Concrete

The concrete used to construct the manure collection and storage liner in the barn addition must be sulphate resistant and have a:

- a. minimum 56-day compressive strength of 30 MPa in the scrape alleys, and
- b. minimum 56-day compressive strength of 32 MPa in the pits

The co-permit holders shall provide documentation to the NRCB confirming the specifications of the concrete used in the construction of the barn addition. This documentation must be provided to the NRCB prior to the inspection referenced in condition three, or by a later date stated in writing by the NRCB.



3. Post construction inspection

The co-permit holders shall not place livestock or manure in the barn addition until NRCB personnel have inspected the facility and stated in writing that it has been constructed in accordance with the terms and conditions of this approval.

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

Diamond M Dairy's deemed registration and NRCB issued Approval RA14034 and Authorizations RA15028, RA16018, and R18042 are hereby cancelled and are no longer in effect, unless Approval RA21012 is held invalid, in which case the previous permits will remain in effect.

April 29, 2021

(Original Signed)  
Jeff Froese  
Approval Officer



**Approval RA21012 – Appendix**

**Existing permitted facilities**

Facility	Dimensions (m)	Permit
Calf barn	15.2 x 18.2	RA15028
Calf barn (4-8 months)	18.3 x 12.2	RA18042
Solid manure storage pad	23 x 14.5	RA16018
Lactating dairy barn (t shaped)	97 x 18.3 and 26 x 18.3	RA16018, RA14034, RA13035, deemed permit
Young stock barn	15.5 x 115	RA16018, RA13035, deemed permit
Young stock pens (irregular triangular shaped)	119 x 57 x 127	RA16018, RA14034, deemed permit
Liquid manure storage (synthetically lined)	85 m long, 54 m wide at north end and 63 m wide at south end	RA13035

**Construction conditions** (brought forward from old permits)

From Authorization RA18042 (4-8 month calf barn)

1. Concrete  
The concrete used to construct the liner of the new calf barn must be sulphate resistant and have a minimum 56-day compressive strength of 30 MPa. The permit holder shall provide proof to the NRCB, prepared by a qualified third party, to confirm the specifications of the concrete used in the construction. This proof must be provided to the NRCB prior to the inspection referenced in condition 3 below, or by a later date stated by the NRCB.
2. Construction completion deadline  
The permit holder shall complete construction of the new calf barn prior to November 30, 2019. Upon written request, this deadline may be extended by the NRCB in writing.
3. Post construction inspection  
The permit holder shall not place livestock or manure in the new calf barn until the NRCB has inspected the barn and stated in writing that it has been constructed in accordance with this authorization.

From Authorization RA16018

1. Extension to existing heifer barn and associated extension to the corral
  - a) The permit holder shall provide the NRCB with written proof stating that the concrete used to construct the manure collection and storage portions of the extension to the existing heifer barn and the associated corral extension is sulphate resistant with a minimum 56 day strength of 30 MPa. This document shall be submitted to the NRCB no later than the date of the inspection referenced in condition 1c below.
  - b) The permit holder shall complete construction of the extension to the existing heifer barn and the associated corral extension before March 1, 2018. Upon request, the deadline may be extended by the NRCB in writing.



- c) The permit holder shall not place manure or allow livestock in the extension to the existing heifer barn or the associated extension to the corral until they have been inspected by NRCB personnel and determined by them, in writing, to have been constructed to specifications provided.
2. Concrete solid manure storage pad
  - a) The permit holder shall provide the NRCB with written proof stating that the concrete used to construct the manure collection and storage portions of the concrete solid manure storage pad is sulphate resistant with a minimum 56 day strength of 30 MPa. This document shall be submitted to the NRCB no later than the date of the inspection referenced in condition 2c below.
  - b) The permit holder shall complete construction of the concrete solid manure storage pad before March 1, 2018. Upon request, the deadline may be extended by the NRCB in writing.
  - c) The permit holder shall not place manure or allow livestock on the concrete solid manure storage pad until it has been inspected by NRCB personnel and determined by them, in writing, to have been constructed to specifications provided.

From Authorization RA15028

1. Calf barn
  - a. The permit holder shall complete construction of the manure collection and storage portions of the calf barn prior to December 1, 2015. Upon request, this deadline may be extended by the NRC in writing.
  - b. The permit holder shall not place livestock or manure in the calf barn until the NRCB has inspected the calf barn.

From Approval RA14034:

1. South Barn addition
  - a. The permit holders shall complete construction of the manure collection and storage portions of the south barn addition prior to July 1, 2016. Upon request, this deadline may be extended by the NRCB in writing.
  - b. The permit holders shall not place livestock in the south barn addition until the NRCB has inspected the facility.
2. Corrals associated with young stock barn
  - a. The permit holders shall submit a written surface water runoff control plan for the corrals associated with the young stock barn to the NRCB prior to August 31, 2015.
  - b. The plan must include satisfactory commitments and measures to mitigate the runoff risk, and must be approved in writing by the NRCB, prior to implementation of the surface water runoff control plan.
3. Closure of east solid manure storage area
  - a. The permit holder shall close the east solid manure storage area in accordance with the requirements of Technical Guideline Agdex 096-90, "Closure of Manure Storage Facilities and Manure Collection Areas", for facility type 3, Solid Manure Storage.

The permit holder shall provide records documenting the closure to the NRCB within one year of the NRCB's determination of construction completion of the new concrete solid manure storage



pad. Upon request, this deadline may be extended by the NRCB in writing.

From Authorization RA13035

1. Straw pack addition (north end of dairy barn)
  - a. The permit holder shall complete construction of the manure collection and storage portions of this facility prior to November 30, 2016. Upon written request, this deadline may be extended by the NRCB in writing.
  - b. The permit holder shall not allow livestock in this facility until it 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.
2. Young stock barn addition (north end)
  - a. The permit holder shall complete construction of the manure collection and storage portions of this facility prior to November 30, 2016. Upon written request, this deadline may be extended by the NRCB in writing.
  - b. The permit holder shall not allow livestock in this facility until it 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.
3. Liquid manure storage (synthetic lined)
  - a. The permit holder shall complete construction of the manure collection and storage portions of this facility prior to November 30, 2016. Upon written request, this deadline may be extended by the NRCB in writing.
  - b. The permit holder shall not allow manure in this facility until it 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.
  - c. The permit holder shall provide the NRCB with a written construction completion report for the liquid manure storage (synthetic lined). The report shall be stamped and signed by the professional engineer that supervised construction, and shall:
    - Certify that the liquid manure storage (synthetic lined) was constructed according to the recommended construction procedures in the September 5, 2013, Site Assessment and Design, Manure Storage Lagoon report, with the following exception:
      - If a 40 mil HDPE synthetic liner is used, then a geofabric underliner must be installed on the soil subgrade, prior to installation of the 40 mil HDPE liner, or,
      - A 60 mil HDPE synthetic liner may be installed (instead of the proposed 40 mil HDPE) without the installation of a geofabric underliner.
    - Certify that the liquid manure storage (synthetic lined) is filled in the bottom quarter of the facility.
  - d. The permit holder shall provide the NRCB with a written construction completion report for the liquid manure storage (synthetic lined) from the supplier/installer, including:
    - Confirming the liner was installed in accordance with the liner manufacturer's requirements
    - Seam test results,
    - Repair details, if any, and,
    - Quality testing of the liner material.