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In consideration of Decision Summary RA19016, Authorization RA19016 is issued to:

Name: Kramer Dairy Ltd. (the "permit holder")  
Address: RR1 Ponoka AB T4J 1R1  
Contact person: Reinder Kramer

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

- dairy barn addition 3.1 m x 21 m,  
final barn dimensions to be 42 m x 21 m and 21 m x 25 m
- calf lean-to 5.5 m x 24.4 m

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 this authorization, together with the site plan 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 conditions 5 and 8, below.

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

**Construction conditions**

Dairy barn addition

1. Construction above water table  
The permit holder shall immediately cease construction of the barn addition and contact the NRCB if the water table is observed to be one metre or less from the bottom of the barn addition's manure collection and storage liners.
2. Concrete  
The concrete used to construct the pit in the barn addition must be sulphate resistant and have a minimum 56-day compressive strength of 32 MPa. The permit holder shall provide proof, prepared by a qualified third party, to the NRCB to confirm the specifications of the concrete used in the construction of the barn addition. This document must be provided to the NRCB prior to the inspection referenced in condition 5 below, or by a later date stated in writing by the NRCB.

3. **Manure transfer pipe**  
The manure transfer pipe used to collect and store manure in the barn addition must be the same or equivalent to what is proposed the application for Authorization RA19016. The permit holder shall provide proof, prepared by a qualified third party, to the NRCB to confirm the pipe and its associated sealants used in the construction of the barn addition. This document must be provided to the NRCB prior to the inspection referenced in condition 5 below, or by a later date stated in writing by the NRCB.
4. **Construction completion deadline**  
The permit holder shall complete the construction of the barn addition prior to November 30, 2022. Upon written request, this deadline may be extended by the NRCB in writing.
5. **Post construction inspection**  
The permit holder shall not place livestock or manure in the barn addition until the NRCB have inspected it and stated in writing that the barn addition has been constructed in accordance with the terms and conditions of this authorization.

#### Calf lean-to

6. **Concrete**  
The concrete used to construct the calf lean-to must be sulphate resistant and have a minimum 28-day compressive strength of 25 MPa. The permit holder shall provide proof, prepared by a qualified third party, to the NRCB to confirm the specifications of the concrete used in the construction. This document must be provided to the NRCB prior to the inspection referenced in condition 8 below, or by a later date stated in writing by the NRCB.
7. **Construction completion deadline**  
The permit holder shall complete the construction of the calf lean-to prior to November 30, 2022. Upon written request, this deadline may be extended by the NRCB in writing.
8. **Post construction inspection**  
The permit holder shall not place livestock or manure in the calf lean-to until the NRCB have inspected it and stated in writing that the calf lean-to has been constructed in accordance with the terms and conditions of this authorization.

#### **Operating conditions**

9. **Water well monitoring requirements**  
The permit holder shall conduct water quality tests in accordance with Water Well Monitoring Statement RA19016, unless otherwise directed by the NRCB in writing.

10. Addressing the environmental risk posed by the earthen liquid manure storage  
The permit holder shall submit a written plan by May 31, 2020 that addresses the environmental risk posed by the earthen liquid manure storage. The plan must be prepared by an independent and qualified third party professional and not be implemented until the plan has been approved by the NRCB in writing. Once the plan is approved by the NRCB in writing the plan must be implemented within five years, unless otherwise directed by the NRCB in writing.

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

November 20, 2019

(Original Signed)  
Jeff Froese  
Approval Officer