



Total permitted animal capacity from all permits for this site:

1855 feeder hogs

In consideration of Decision Summary RA05035A, Registration RA05035A is issued to:

Name: Craigievar Farm Ltd. (the "permit holder")
Address: RR4 Lacombe AB T4L 2N4
Contact person: Glenn Sharp

Permitted construction (based on the submitted site plan):

- Hog barn addition (30.48 m x 19.51 m) to the north end of an existing 51.82m x 19.51m hog barn
- Renovation of floor and pits beneath the existing hog barn

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 for Registrations RA05035 and RA05035A, together with the site plan, building plans, operating plan, manure management plan, engineering reports and other attached documents, unless otherwise noted in the following conditions.

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

Ongoing conditions

7. Earthen Manure Storage (EMS) Leakage Detection System Reporting

The owner/operator shall conduct leak detection monitoring for the earthen liquid manure storage facility as prescribed and authorized in writing, and as amended from time to time where appropriate, by the NRCB.

8. Water Well Testing Reporting

The permit holder shall sample and test raw groundwater, from water wells and in accordance with monitoring requirements, as prescribed by the NRCB in writing. The NRCB may, based on the monitoring results and at its discretion, revise those requirements from time to time, in writing.

9. Nutrient Management

a. Records as identified in AOPA and its associated regulations must be maintained.

10. Manure Application

a. As proposed by the applicant, manure from this operation must be incorporated within 48 hours of spreading.

b. Manure from this operation must not be spread on frozen or snow covered ground.

11. Miscellaneous

a. The NRCB is to be notified immediately if there is an overflow or leak from any of the manure storages.

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

Registration RA05035 is hereby cancelled and is no longer in effect, unless Registration RA05035A is held invalid, in which case the previous permits will remain in effect.

January 27, 2021

(Original Signed)
Lynn Stone
Approval Officer

Registration RA05035A – Appendix

Existing permitted facilities

51.82m x 19.51m hog barn	Lacombe County Permit 6/98
5,450 m ³ earthen manure storage (approximately 52 m x 49 m x 4.05 m deep)	Lacombe County Permit 6/98

Completed construction conditions (from RA05035)

1. Concrete manure storage – Floors and Gutters

- a. The bottom of the concrete manure pit liners must be not less than 1 metre above the water table at the time of construction.
- b. The concrete used to construct the barn manure pits must contain Type 50 cement, must have a minimum 56-day compressive strength of 32 MPa and must have a maximum water to cement ratio of 0.45.

2. Completion Reports

- a. A construction completion report prepared by a professional engineer must verify that the bottom of the manure pit liner was more than 1 metre above the water table at the time of construction, the cement type, the minimum 56 day compressive strength of the concrete, the maximum water to cement ratio, the concrete thickness, reinforcing size and spacing, sealant material and sealant location including the locations where piping and other extrusions penetrate the liner, and the barn dimensions.
- b. The construction completion report must be provided to the NRCB before any animals will be allowed into the modified barn.

3. Earthen Manure Storage (EMS) Leakage Detection System Installation

- a. Leak detection wells must be installed and the first leak detection report must be submitted to the NRCB prior to animals being allowed into the modified barn.
- b. A leakage detection system plan for the existing liquid EMS must be prepared by a qualified professional and must be submitted to the NRCB before any monitoring wells are installed. The plan must be approved by the NRCB in writing before it is implemented. The plan must provide for a minimum of three monitoring wells around the EMS, with at least one upgradient and at least two downgradient, intersecting the water table.

4. Safety

- a. The manure storage facilities are to be secured from unauthorized access before the animals will be allowed into the modified barn.
- b. Signs warning of the nature and danger of the facilities are to be posted at each access to the manure storage facilities before animals will be allowed into the modified barn.

5. Liquid Earthen Manure Storage (EMS)

- a. As proposed by the applicant, the location where the fill pipe enters the EMS must be protected from erosion by placing concrete under the fill pipe.

6. Inspections



- a. As proposed by the applicant, construction must be completed by August 15, 2006.
- b. The manure storage portion of the barn must be inspected by NRCB personnel prior to animals or manure being placed in the barn.
- c. The applicant must provide the Approval Officer a minimum of 10 working days' notice prior to the applicant's desired completion inspection.