



Total permitted animal capacity from all permits for this site:
19,500 beef finishers

In consideration of Decision Summary LA21031, Approval LA21031 is issued to:

Name: Grandview Cattle Feeders Ltd. (the “permit holder”)
Address: Box 336, Picture Butte AB T0K 1V0
Contact person: Curtis Vander Heyden

Permitted construction (based on the submitted site plan):

- Finishing pens (alley 1) – 538 m x 75 m
- Finishing pens (alley 2) – 398 m x 75 m
- Finishing pens (alley 3) – 291 m x 75 m
- Drainage ditch – 4 m x 364 m x 1 m
- Catch basin – 128 m x 100 m x 2 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 LA21031 together with the site plan, 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 conditions #5 and 8.

Construction conditions

Feedlot pens

Construction completion deadline

1. The permit holder shall complete construction of the feedlot pens and drainage ditch prior to December 31, 2025. Upon request, this deadline may be extended by the NRCB in writing.

Construction and reporting

Construction of the RCC base onto which RCC will be placed

2. Construction must be supervised by an on-site professional engineer or their designate.
3. The permit holder shall provide the NRCB with post-testing reports of the base, authenticated by a professional engineer. The report shall include at a minimum:
 - Results of a standard in situ density testing throughout the entire base in a 30 m x 30 m grid, to confirm uniformity of the base and that the required compaction of the base has been achieved.



- Confirmation that the proposed construction procedures for the base, as stated in the December 7 report (as attached to Decision Summary LA21031), have been followed prior to continuing construction of the RCC liner and the inspection of the base by NRCB personnel.

Construction of the RCC liner

4. Installation of the RCC liner must be supervised by an on-site professional engineer or their designate and can only start after the report referenced in condition 3 above has been received and accepted by the NRCB.
5. The permit holder shall provide the NRCB with a post construction report of the RCC liner, authenticated by a professional engineer. The final report shall include at a minimum:
 - a. That the RCC liner has a minimum thickness of six inches (0.15 meters),
 - b. confirmation that the constructed base remained intact during placement of the RCC liner material and its compaction,
 - c. as-built drawings showing all transition zones (cold joints, stock waterers, feed bunk apron, pen entrances, fence posts, and any other object that penetrate the RCC),
 - d. results of an initial visual inspection of the feedlot pens as a base line and reporting of any cracks or weak spots,
 - e. testing methodology to confirm that the above design and installation specifications are met,
 - f. verification methods to verify that the RCC was compacted to 98 percent Modified Proctor Density, including identification of any issues experienced and how they were properly addressed,
 - g. methods used to promote proper curing and confirmation that proper curing has occurred,
 - h. all installation testing, inspection, and reporting results, and
 - i. on-site testing results of the batched RCC to ensure the product was consistent throughout the complete installation; this includes regular testing of the moisture content of the batches.

Post construction inspection

6. The permit holder shall not allow livestock or manure to enter the feedlot until the facilities have been inspected by NRCB personnel and determined by them to have been constructed in accordance with the terms and conditions of this permit.

Catch basin and drainage ditch

Construction completion deadline

7. The permit holder shall complete construction of the catch basin and drainage ditch prior to December 31, 2025. Upon request, this deadline may be extended by the NRCB in writing.



Construction completion report

8. The permit holder shall provide the NRCB with a written construction completion report for the catch basin and drainage ditch. The report must be stamped and signed by a “professional engineer,” as defined in the Standards and Administration Regulation, and must:
 - a. Confirm that the catch basin and drainage ditch was constructed at the location specified in the site plan provided with the application
 - b. Confirm the size of the catch basin and drainage ditch, including depth below grade
 - c. Confirm that the bed preparation and the installation of the synthetic liner occurred in accordance with the synthetic liner manufacturer’s requirements, including under membrane surface preparation and proper sealing of all seams
9. A construction completion report, stamped and prepared by a professional engineer, certifying that the drainage ditch meets the AOPA requirements according to Technical Guideline Agdex 096-94 – Identifying manure storage facilities and manure collection areas at confined feeding operations (section 4 Feedlot). The drainage ditch is defined as runoff collection channels in this guideline.

Post construction inspection

10. The permit holder shall not allow manure contaminated runoff to enter the catch basin and drainage ditch until the facility has been inspected by NRCB personnel and determined by them to have been constructed in accordance with the terms and conditions of this permit.

Decommissioning of catch basin north

11. The permit holder shall decommission the catch basin north according to Technical Guideline Agdex 096-90 Closure of manure storage facilities and manure collection areas.

Operating conditions

12. Ongoing inspection and reporting, monitoring, and repair of RCC liner:
 - a. Ongoing inspection of all areas identified in the final construction completion report (see condition 4 above) as being critical (e.g. cold joints). Starting with a base line inspection immediately after construction, followed by annual inspection the subsequent four years and biannually after that unless otherwise directed by the NRCB in writing. The ongoing testing and inspections must be carried out by a professional engineer or their designate in the presence of an NRCB inspector; post-testing and post-inspection reports must be authenticated by a professional engineer and provided to the NRCB.
 - b. Subsequent inspections for cracks (see above) shall be conducted as determined by the NRCB. The prep work prior to inspection shall follow the procedures proposed in the December 7 report.



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- c. In case areas of deterioration of the RCC liner are identified during the inspections, the permit holder shall provide a mitigation plan for the repair of the identified areas. The plan shall be prepared by a professional engineer and must be accepted by the NRCB, in writing, prior to commencing repair work.

Operating conditions brought forward from development permits 93-57 and 93-187

13. During fly breeding season, a fly control program is to be in place.
14. Manure, feedlot refuse, litter, liquids, etc. shall not be allowed to collect in borrow pits east of the feedlot.

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

Approval LA10012M and municipal development permits 93-57, and 93-184 are hereby cancelled and are no longer in effect, unless Approval LA21031 is held invalid, in which case the previous permits will remain in effect.

February 3, 2023

(original signed)
Carina Weisbach
Approval Officer



Approval LA21031 – Appendix

Existing permitted facilities

Facility	Dimensions (m)
Feedlot pens	740 m x 350 m
Catch Basin south	160 m x 55 m x 6 m deep
Catch Basin north (consists of 2 parts)	Triangular area: 65 m x 30 m x 70 m, 2 m deep (will be decommissioned) Rectangular area: 19 m x 73 m x 2 m deep (will be part of the drainage ditch)

Construction conditions (brought forward from Approval LA10012M)

1. The feedlot operation is to contain a maximum of 12,000 head.
2. A minimum separation distance of 3,100 from the expansion to the nearest neighbor shall be implemented and strictly observed.
3. All surface drainage originating within the feedlot must be contained within acceptable drainage containment structures. The feedlot design must include positive drainage of the pens to the drainage catchment facilities.
4. Proper containment facilities as proposed by Alberta Agriculture, Food and Rural Development in conjunction with professional engineer shall be undertaken. This shall include the enlargement the no. 2 catch basin facility to the southwest by building up its side walls by an additional 2 feet in height. The existing east catch basin must be expanded by 200 feet of length. All surface drainage facilities from the feedlot must be able to contain a 9 inch rainfall.
5. The sides and floor of the containment structure must meet a hydraulic conductivity of 1×10^{-7} cm/sec or be an approved lined synthetic barrier. The structures are to be designed and constructed under the supervision of a certified engineer and shall meet Alberta Agriculture, Food and Rural Development and/or Alberta Environmental Protection Standards.
6. All runoff or surface drainage water originating outside the feedlot is to be diverted around the feedlot by above grade berms, designed with the assistance of a professional certified engineer.
7. The compost pad and drainage containment must be included in the feedlot drainage design.
8. A detailed soil investigation must be conducted prior to any excavation of a catch basin and the proposed feedlot area to verify soil textures will achieve proper hydraulic conductivity.



9. The installation of monitoring wells is required in the vicinity of the runoff control catch basin
10. Conditions no. 4, 5, 6, 8 and 9 are to be undertaken with the assistance and in conjunction with Alberta Agriculture, Food and Rural Development and/or Alberta Environment. Design must be provided by a professional engineer.

Construction conditions (brought forward from MD Permit 93-184)

1. Surface drainage water from surrounding land is to be diverted from or around the feedlot.
2. All surface drainage from within the feedlot area is to be contained in an adequate sized containment lagoon.
3. Professional design assistance shall be obtained to properly size the containment lagoon.

Construction conditions (brought forward from MD Permit 93-57)

1. That the feedlot be redesigned so that the reservoir be located at the east end of the corrals and a lagoon/catch basin be constructed at the south west end of the corrals. Engineering drawings for the feedlot and catch basin are to be submitted to the County prior to construction. Minimum capacity of the catch basin is to be 1,500,000 gallons.
2. Storm water runoff is to be diverted around the corral areas.