



Total permitted animal capacity from all permits for this site:

10,000 Beef finisher

In consideration of Decision Summary LA18053, Approval LA18053 is issued to:

Name: Stronks Feedlot Ltd. (the "permit holder")
Address: Box 870, Picture Butte, Alberta T0K 1V0
Contact person: Ed Stronks

Permitted construction (based on the submitted site plan):

- One row of pens south of the existing pen area (330 m x 80 m)
- One row of pens east of the existing pen area (260 m x 70 m)
- Runoff pump out (4.8 m x 4.8 m x 3.6 m deep)
- Permission to use the north row of pens (180 m x 40 m) (north side of the existing pen area), and reconstruct this row of pens with a new 0.15 metre (6") thick roller compacted concrete liner (RCC) to meet AOPA groundwater protection requirements.

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 LA18053 together with the site plan, operating plan, manure management 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 #4, 7, and 11.

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

Runoff transfer system

Construction conditions

1. The permit holder shall submit a plan for the runoff transfer system between the natural catchment area and the runoff pump out prior to construction of any permitted facilities at the CFO. The plan must be prepared and signed by a professional engineer and must show how the runoff transfer system can meet AOPA groundwater protection requirements (see Technical Guideline Agdex 096-94, June 2018). Once approved by the NRCB in writing, construction as permitted by the permit is allowed to commence.
2. Once constructed, a post construction report must be submitted, prepared and signed by a professional engineer, that the constructed runoff transfer system meets the approved requirements. The NRCB may revise this requirement as determined to be necessary, in writing. The report must be provided to the NRCB prior to allowing livestock into the new pens and runoff from entering the runoff transfer system.



Construction completion deadline

3. The permit holder shall complete construction of the runoff transfer system prior to June 1, 2019.

Post construction inspection

4. The permit holder shall not allow runoff from entering the runoff transfer system 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.

Runoff pump out

Construction completion deadline

5. The permit holder shall complete construction of the runoff pump out prior to June 1, 2019.

Construction completion report

6. The permit holder shall provide the NRCB with a written construction completion report for the runoff pump out. The report shall be stamped and signed by a "professional engineer" as defined in the Standards and Administration Regulation, who has supervised the construction. The report shall:
 - Confirm that the professional engineer was supervising the construction
 - Certify that the runoff pump out was constructed at the location specified in the site plan provided with the application;
 - Confirm that the concrete used to construct the runoff pump out has a minimum 56-day strength of 32 MPa, that the walls and floor of the pump out are adequately reinforced and that all floor/wall joints and extrusions have been properly sealed to prevent leakage from occurring.

Post construction inspection

7. The permit holder shall not allow runoff to enter the runoff pump out until the facility 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.

New Feedlot pens

Construction completion deadline

8. The permit holder shall complete construction of the manure collection and storage portions of the new feedlot pens prior to December 31, 2020. Upon request, this deadline may be extended by the NRCB in writing.

Construction completion report

9. The permit holder shall provide the NRCB with a written construction completion report for the new feedlot pens. The report shall be stamped and signed by a “professional engineer,” as defined in the Standards and Administration Regulation, and shall certify that:
- the feedlot pens were constructed at the location specified in the site plan provided with the application;
 - the bed for the liner was level and compacted, before the RCC is installed;
 - the RCC product was placed on the bed with an even thickness of at least 7” (0.18 metres) and at least 6” (0.15 metres) when compacted;
 - the RCC was properly compacted around transition zones (stock waterers, the feed bunk apron, the pen entrances, fence posts, and any other objects that penetrate the RCC), according to the product supplier’s compaction recommendations which require compacting the RCC with a hand packer around posts and with a small vibrator compactor around stock waterers, feed bunk aprons, and pen entrance areas;
 - the RCC was properly covered immediately after it was compacted, and for a sufficiently long period, to ensure proper curing; and
 - the final compaction has reached at least a 92% compaction density.

Survey

10. Prior to the post construction inspection of the new feedlot pens (see condition 11 below), the permit holder shall provide the NRCB with a survey from an Alberta land surveyor as defined in the *Land Surveyor Act*, verifying that the new feedlot pens are at least:
- 150 metres away from the nearest wall of the Stroeve residence;
 - 881 metres away from the nearest wall of the Lanser residence; and
 - 30 metres away from the nearest property line.

The distances shall be measured from the nearest parts of the facility and the nearest residence or property line, to each other (to the nearest 0.1 metres). All parts of these CFO facilities that do not meet the required setback or MDS will be need to be decommissioned.

Post construction inspection

11. The permit holder shall not allow livestock in the new feedlot pens until the facilities have 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 and all of the parts of the runoff control system have been completed and approved for use.

North row of feedlot pens

Construction completion deadline

12. The permit holder shall complete construction of the compacted concrete floor for the manure collection and storage portions of the new feedlot pens prior to December 31, 2019.

Construction completion report

13. The permit holder shall provide the NRCB with a written construction completion report for the new feedlot pens. The report shall be stamped and signed by a “professional engineer,” as defined in the Standards and Administration Regulation, and shall certify that:

- the feedlot pens were constructed at the location specified in the site plan provided with the application;
- the bed for the liner was level and compacted, before the RCC is installed;
- the RCC product was placed on the bed with an even thickness of at least 7” (0.18 metres) and at least 6” (0.15 metres) when compacted;
- the RCC was properly compacted around transition zones (stock waterers, the feed bunk apron, the pen entrances, fence posts, and any other objects that penetrate the RCC), according to the product supplier’s compaction recommendations which require compacting the RCC with a hand packer around posts and with a small vibrator compactor around stock waterers, feed bunk aprons, and pen entrance areas;
- the RCC was properly covered immediately after it was compacted, and for a sufficiently long period, to ensure proper curing; and
- the final compaction has reached at least a 92% compaction density.

Post construction inspection

14. The permit holder shall not allow livestock in the newly reconstructed feedlot pens until the pens have 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 and all of the parts of the runoff control system have been completed and approved for use.

Operating conditions

15. A fly control program must be in place during fly breeding season

Soil testing

16. The permit holder shall conduct annual soil testing in the natural catchment area commencing in 2019. The sampling shall be conducted by a professional agronomist and with the same requirements and at the same locations as directed by the Board in Board Decisions RFR 2018-07 / LA17038 and 2018-09 / LA17038. (“...*must divide the catchment area into four equally large sections with five samples per section at two sample depths (0 cm – 15 cm; 15 cm – 60 cm). The five samples per section can be combined into two composite samples of 0 cm – 15 cm and 15 cm – 60 cm for soil analysis (total of eight samples) Follow the soil analysis requirement referenced in Schedule 3 of the Standards and Administration Regulation under AOPA for extractable nitrate-nitrogen and soil salinity.*”). The soil testing results must be submitted annually by December 15 to the NRCB. The NRCB may revise those requirements as determined necessary, in writing.



Nutrient management

17. The permit holder must implement the nutrient management plan as submitted. This plan can be modified if required, by the NRCB in writing.

Other conditions

18. If the nitrate nitrogen and EC levels in the natural catchment area (as shown on site plan) still exceed the AOPA nutrient application limits by October 1, 2024 (section 24 and 25, Standards and Administration Regulation and schedule 3) the permit holder shall either:

- depopulate the feedlot pens and remove all manure from the CFO facilities and runoff from the natural catchment area by December 1, 2024, or alternatively,
- obtain a permit to implement an alternative runoff control system which addresses the AOPA ground and surface water protection requirements. The implementation of this alternative runoff control system shall be in place prior to December 1, 2024.

The NRCB reserves the right to amend this condition should information become available to support the change.

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

Stronks' deemed approval, including municipal development permits # 92-25 and # 94-43, are hereby cancelled, unless Approval LA18053 is held invalid following a review and decision by the NRCB's board members or by a court, in which case the deemed approval and municipal development permits 92-25 and 94-43 will remain in effect.

January 18, 2019

Carina Weisbach
Approval Officer



Approval LA18053 – Appendix

Existing permitted facilities

- Feedlot pen areas (total footprint): 255 m x 260 m plus 203 m x 183 m
- The CFO also has a grandfathered natural catchment area with approximate dimensions: 160 m x 180 m plus 125 m x 50 m (irregular shape)

Construction conditions (brought forward from Municipal development permit 92-25)

1. The expansion is to be located as per submitted site plan

Construction conditions (brought forward from Municipal development permit 94-43)

1. The expansion is to be located as per submitted site plan
2. All surface drainage from the existing and proposed expansion is to be contained in properly constructed catch basins/lagoons. Design assistance may be obtained from Alberta Agriculture