

Part 2 – Technical Requirements



NRCB | Natural Resources
Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

NRCB USE ONLY	Application number	Legal land description
☒ Approval ☐ Registration ☐ Authorization ☐ Amendment	RA 26043	SW 25-33-27

APPLICATION DISCLOSURE

This information is collected under the authority of the *Agricultural Operation Practices Act* (AOPA), and is subject to the provisions of the *Access to Information Act* and *Protection of Privacy Act*. This information is public unless the NRCB grants a written request that certain sections remain confidential.

Any construction prior to obtaining an NRCB permit is an offence and is subject to enforcement action, including prosecution.

I, the applicant, or applicant's agent, have read and understand the statements above, and I acknowledge that the information provided in this application is true to the best of my knowledge.

10-7-2026
 Date of signing
 Broekman Hayfarms Ltd.
 Corporate name (if applicable)

[Redacted]
 Signature
 Theo Broekman
 Print name

GENERAL INFORMATION REQUIREMENTS

Proposed facilities: list all proposed confined feeding operation facilities and their dimensions. Indicate whether any of the proposed facilities are additions to existing facilities. (attach additional pages if needed)	
Proposed facilities	Dimensions (m) (length, width, and depth)
7 finisher barn new.	19.8 x 84 feet.
8 dry sow barn new	72 x 74 feet.
9 farrowing and weaner barn new.	84 x 81 feet.

Existing facilities: list ALL existing confined feeding operation facilities and their dimensions		
Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
see next page		

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Existing facilities continued	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
1 Breeding Barn	16.47m x 19.52	
Pits. 2.70 x 15 x 0.6m x 3	72.9m ³	
1.50 x 16.47 x 0.6m x 1	14.8m ³	
2 farrowing Barn + weaner.	24.70 x 36.6m.	
Pits. 10.98 x 2.44 x 0.6 x 12.	192.9m ³	
10.55 x 3.97 x 0.6 x 8.	201m ³	
3 finisher Barn.	10.37m x 45.75m.	
Pits. 45.75 x 3.05 x 1.22	170.2m ³	
45.75 x 4.58 x 1.22	255.6m ³	
4 dry sow and gilt barn	21.96 x 24.4m	
Pits. 21.96 x 24.4m x 0.9	482.2m ³	
5 finisher Barn.	9.5m x 25.62m.	
Pits. 9.5 x 25.62 x 0.9	2109.8m ³	
6 finisher Barn	35.38 x 25.62m	
Pits. 35.38 x 25.62 x 1	906.4m ³	
7 finisher Barn	60.39 x 25.62m	
Pits. 60.39 x 25.62 x 1	1547.19m ³	
8 dry sow	21.96 x 22.57m.	
Pits. 21.96 x 22.57 x 0.9	446m ³	
9 farrowing + weaner barn	25.62 x 24.7m.	
Pits 10.98 x 2.60 x 0.6 x 8.	137m ³	
10.55 x 4.27 x 0.6 x 5	135m ³	
7.8 and 9 are new.		
AD: (per email July 17) EMS cell 1 = 78 x 24 x 3.5m deep		
cell 2 = 28 x 24 x 4.25m deep		

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If a new facility is replacing an old facility, please explain what will happen to the old facility and when. ☐ N/A

Construction completion date for proposed facilities _____

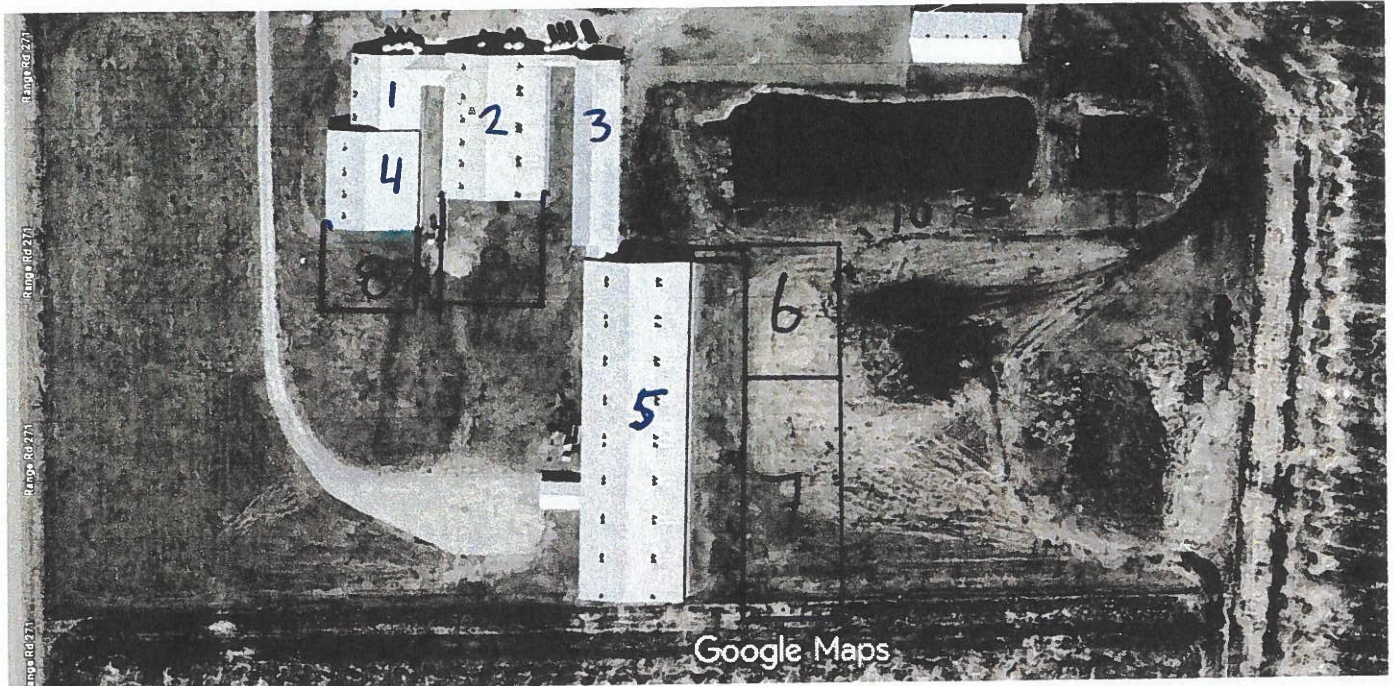
Additional information

Livestock numbers: Complete only if livestock numbers are different from what was identified in the Part 1 application. Note: if livestock numbers increase in your Part 2 application, a new Part 1 application must be submitted which may result in a loss of priority for minimum distance separation (MDS).

Livestock category and type (Available in the Schedule 2 of the Part 2 Matters Regulation)	Permitted number	Proposed increase or decrease in number (if applicable)	Total
funnow to finish .	330	170	500-

Last updated September 11, 2023

N



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1. Breeding barn 54 x 64 feet.
2. farrowing Barn 81 x 120 feet.
3. finisher barn and weaner 34 x 150 feet.
4. dry sow and gilt barn 72 x 80 feet.
5. finisher barn 300 x 84 feet.
6. finisher barn 116 x 84 feet.
7. finisher barn new 198 x 84 feet.
8. dry sow barn new 72 x 74 feet.
9. farrowing and weaner barn new 84 x 81 feet.
- 10 } Lagoon
- 11 }

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DECLARATION AND ACKNOWLEDGMENT OF APPLICANT CONCERNING WATER ACT LICENCE

issued by Alberta Environment and Protected Areas (EPA) for a confined feeding operation (CFO)

Date and sign one of the following four options

OPTION 1: Applying through the NRCB for both the AOPA permit and the Water Act licence

I **DO** want my water licence application coupled to my AOPA permit application.

Signed this ____ day of _____, 20____.

Signature of applicant or agent

OPTION 2: Processing the AOPA permit and Water Act licence separately

1. I (we) acknowledge that the CFO will need a new water licence from EPA under the *Water Act* for the development or activity proposed in this AOPA application.
2. I (we) request that the NRCB process the AOPA application **independently** of EPA's processing of the CFO's application for a water licence.
3. In making this request, I (we) recognize that, if this AOPA application is granted by the NRCB, the NRCB's decision will not be considered by EPA as improving or enhancing the CFO's eligibility for a water licence under the *Water Act*.
4. I (we) acknowledge that any construction or actions to populate the CFO with livestock pursuant to an AOPA permit in the absence of a *Water Act* licence will **not** be relevant to EPA's consideration of whether to grant the *Water Act* licence application.
5. I (we) acknowledge that any such construction or livestock populating will be at the CFO's sole risk if the *Water Act* licence application is denied or if the operation of the CFO is otherwise deemed to be in violation of the *Water Act*. This risk includes being required to depopulate the CFO and/or to cease further construction, or to remove "works" or "undertakings" (as defined in the *Water Act*).
6. **AS RELEVANT:** I (we) acknowledge that the CFO is located in the South Saskatchewan River Basin and that, pursuant to the *Bow, Oldman and South Saskatchewan River Basin Water Allocation Order* [Alta. Reg. 171/2007], this basin is currently closed to new surface water allocations.
7. **Provide:** Water licence application number(s) _____

Signed this 1st day of 10 July, 2026.

Signature of applicant or agent

OPTION 3: Additional water licence not required

1. I (we) declare that the CFO will not need a new licence from EPA under the *Water Act* for the development or activity proposed in this AOPA application.
2. **Provide:** Water license number(s) or water conveyance agreement details _____

Signed this ____ day of _____, 20____.

Signature of applicant or agent

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OPTION 4: Uncertain if *Water Act* licence is needed; acknowledgement of risk (for existing CFOs only)

1. At this time, I (we) do not know whether a new water licence is needed from EPA under the *Water Act* for the development or activity proposed in this AOPA application.
2. If a new *Water Act* licence is needed, I (we) request that the NRCB process the AOPA application **independently of** EPA's processing of the CFO's application for a water licence.
3. In making this request, I (we) recognize that, if this AOPA application is granted by the NRCB, the NRCB's decision will not be considered by EPA as improving or enhancing the CFO's eligibility for a water licence under the *Water Act*.
4. I (we) acknowledge that any construction or actions to populate the CFO with additional livestock pursuant to an AOPA permit in the absence of a *Water Act* licence will **not** be relevant to EPA's consideration of whether to grant my *Water Act* licence application, if a new water licence is needed.
5. I (we) acknowledge that any such construction or livestock increase will be at the CFO's sole risk if the *Water Act* licence application is denied or if the operation of the CFO is otherwise deemed to be in violation of the *Water Act*. This risk includes being required to depopulate the CFO and/or to cease further construction, or to remove "works" or "undertakings" (as defined in the *Water Act*).
6. **AS RELEVANT:** I (we) acknowledge that the CFO is located in the South Saskatchewan River Basin and that, pursuant to the *Bow, Oldman and South Saskatchewan River Basin Water Allocation Order* [Alta. Reg. 171/2007], this basin is currently closed to new surface water allocations.
7. **Provide:** Water license number(s) or water conveyance agreement details _____

Signed this ____ day of _____, 20____.

Signature of applicant or agent

Information about related proceedings (MANDATORY)

☐ I am aware of proceedings (applications, appeals, amendments, etc.) with Environment and Protected Areas or the Environmental Appeals Board in relation to this land location:

☐ under the *Environmental Protection and Enhancement Act*

☐ under the *Water Act*

☐ with the Environmental Appeals Board

☒ No proceedings

If yes, these proceedings are ☐ ongoing or ☐ past _____ (year).

☐ N/A

Signed this fri day of July 10, 2026.

Signature of Applicant or Agent

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DISTANCE OF ANY MANURE STORAGE FACILITY (EXISTING OR PROPOSED) TO NEIGHBOURING RESIDENCES

Neighbour name(s)	Legal land description	Distance (m)	NRCB USE ONLY				
			Zoning (LUB) category	MDS category (1-4)	Distance (m)	Waiver attached (if required)	Meets regulations
1 Natalie Dessenoit	NW-24-33-27 W4	1200					
2 Joan alexandra hanson	SW-30-33-27 W4	1600					
3 Cheri Lipiec	NW-30-33-27 W4	1600					
4 Stauffer.	SE-35-33-27 W4	1200					

LAND BASE FOR MANURE AND COMPOST APPLICATION (complete only if an increase in livestock or manure production will occur)

Name of land owner(s)*	Legal land description	Usable area** (ha)	Soil zone ***	NRCB USE ONLY	
				Usable area (ha)	Agreement attached (if required)
owner	SW-25-33-27 W4	457.6 ha	Black		
owner	SE-34-33-27 W4	30.4 ha	Black		
owner	SW-27-34-12 W4	60.8 ha	Black		
owner	SE-27-34-12 W4	57.2 ha	Black		
owner	NE-27-34-12 W4	31.6 ha	Black		
Total					

* If you are **not** the registered landowner, you must attach copies of land use agreements signed by all landowners.

** Available manure spreading area (excluding setback areas from residences, common bodies of water, water wells, etc. as identified in Agdex 096-5 [Manure Spreading Regulations](#))

*** Brown, dark brown, black, grey wooded, or irrigated

Additional Information (attach any additional information as required)



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LIQUID MANURE COLLECTION AND/OR STORAGE: In-barn - Concrete liner

(complete a copy of this section for **EACH** proposed in-barn liquid manure storage facility with a concrete liner)

Facility description / name (as indicated on site plan)

(40 additions in green)

1. # 7
2. # 8
3. # 9

Manure storage capacity (use one row in the table for **EACH** in-barn storage. Attach additional pages if you require more rows)

	Length (m)	Width (m)	Total depth (m)	Depth below ground level (m)	NRCB USE ONLY Calculated storage capacity (m ³)
1.	198'	84'	1 m		
2.	72'	74'	0.9 m		
3.	84'	81'	0.6 m		
(depth of in-barn pits as per email July 21, 2026) TOTAL CAPACITY					

Concrete liner details

Scrape alleys or unslatted portions of barn floors (if applicable)	Concrete thickness		Method of sulphate protection	
	Concrete strength		Concrete reinforcement size and spacing	
In-barn manure pit floors	Concrete thickness		Method of sulphate protection	
	Concrete strength		Concrete reinforcement size and spacing	
In-barn manure pit walls	Concrete thickness		Method of sulphate protection	
	Concrete strength		Horizontal reinforcement size and spacing	
			Vertical reinforcement size and spacing	

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LIQUID MANURE COLLECTION AND/OR STORAGE: In-barn - Concrete liner (cont.)

Describe how the joints at the junction of the pit walls, pit floors and any other joints will be sealed

Waterstop Bentonite strip caulking -

Describe sealing practices for piping, etc. that penetrates the liner

fresh concrete around it

Concrete requirements can be found in Technical Guideline Agdex 096-93

Guideline minimums:

Solid manure (wet): 30MPa (C)

Liquid manure: 32MPa (B)

Category A is required to be engineered

Method of sulphate protection:

Type 50 or Type 10 with fly ash or equivalent

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Requirements met: ☐ YES ☐ NO

Condition required: ☐ YES ☐ NO

Additional information

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Liquid manure storage volume calculator attached: ☐ YES ☐ NO

Depth to water table: _____

Requirements met: ☐ YES ☐ NO

Depth to uppermost groundwater resource: _____

Requirements met: ☐ YES ☐ NO

ERST completed: ☐ see ERST page for details

Concrete liner requirements

Leakage detection system required: ☐ YES ☐ NO If yes, please explain why

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1. 72.9 m^3
 2. 192.9 m^3
 3. 201 m^3
 4. 170.2 m^3
 5. 255.6 m^3
 6. 482.2 m^3
 7. 2109.8 m^3
 8. 906.4 m^3
 9. 1547.2 m^3
 10. 446 m^3
 11. 137 m^3
 135. m^3

} is in the new Barns
 } storage in the barn.

6656.2 m^3

10 } Lagoon 4350 m^3
 11 }

total 11.000 m^3