

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 la	and description			
Approval Registration Authorization	RA25002	E1/2 18	-41-26 W4M			
Amendment			_			
APPLICATION DISCLOSURE						
This information is collected under the authority of the <i>Agricultural Operation Practices Act</i> (AOPA), and is subject to the provisions of the <i>Freedom of Information and Protection of Privacy Act</i> . This information is public unless the NRCB grants a written request that certain sections remain private.						
Any construction prior to obtaining an NRCB permit is a prosecution.	n offence and is subject to e	nforcement	action, including			
I, the applicant, or applicant's agent, have read and understar provided in this application is true to the best of my knowledge		acknowledge	that the information			
June 4, 2025						
Date of signing	Signature					
Philipsen Farm Ltd	Johannes (Harm)	Philipsen				
Corporate name (if applicable)	Print name					
GENERAL INFORMATION REQUIREMENTS						
Proposed facilities: list all proposed confined feeding operation proposed facilities are additions to existing facilities. (attach		ons. Indicate	whether any of the			
Proposed facilities			imensions (m) , width, and depth)			
Milking Parlour Building			78.6 x 29.6			
Freestall Barn			129.8 x 81.1			
Sand Barn (Seperation and Storage)			82.9 x 21.3			
Calving and Prefresh Barn			65.8 x 40.5			
Existing facilities: list ALL existing confined feeding operate	tion facilities and their dimensic	ins				
Existing facilities	Dimensions (length, width, ar	` '	NRCB USE ONLY			
Parlour / Strawpack Barn	49.5 x 43	.9				
Freestall Barn	107.3 x 36.0					
Earthen Manure Storage (EMS) 87 x 93 x 4.5						
NRCB USE ONLY						



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Existing facilities continued	Dimensions (m)	NRCB USE ONLY
Hayshed / Dry Cow Barn	(length, width, and depth) 103.7 x 19.5	
Heifer Barn (Corrals)	78.0 x 19.8 (78.2 x 88.3)	
Solid Manure Storage Pad	15 x 25	
Colid Mariare Storage Fau	10 / 20	

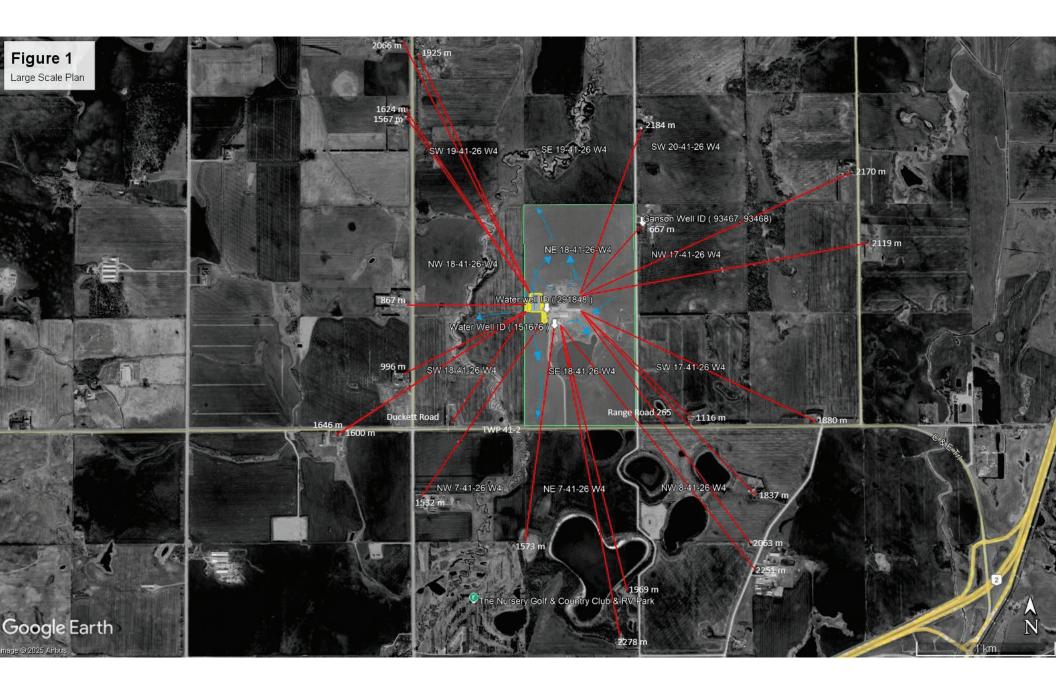


□ N/A

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

Existing Freestall Barn and Parlour Building will house replacement heifers and dry cows once new facility is completed.						
Construction completion date for proposed facilit	December 2029					
Additional information						
Livestock numbers: Complete only if livestock numblivestock numbers increase in your Part 2 application, priority for minimum distance separation (MDS).	pers are different from wha	at was identified in the Part nust be submitted which ma	1 application. Note: if			
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			
Lactating cows with all associated	400	400	800			
dry cows, heifers and calves.						





${\bf Part~2-Technical~Requirements}$



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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

<u>OP</u>	TION 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.
Cia	ned thisday of, 20
Sigi	Signature of Applicant or Agent
<u>OP</u>	TION 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
2.	development or activity proposed in this AOPA application. 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 <i>Water Act</i> .
4.	I (we) acknowledge that any construction or actions to populate the CFO with livestock pursuant to ar AOPA permit in the absence of a <i>Water Act</i> licence will not be relevant to EPA's consideration of whether to grant the <i>Water Act</i> licence application.
5.	I (we) acknowledge that any such construction or livestock populating will be at the CFO's sole risk if the <i>Water Act</i> licence application is denied or if the operation of the CFO is otherwise deemed to be in violation of the <i>Water Act</i> . 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 <i>Water Act</i>).
6.	AS RELEVANT: I (we) acknowledge that the CFO is located in the South Saskatchewan River Basin and that, pursuant to the <i>Bow, Oldman and South Saskatchewan River Basin Water Allocation Order</i> [Alta. Reg. 171/2007], this basin is currently closed to new surface water allocations.
	Provide: Water licence application number(s)
Sig	ned this 16 day of June , 20 25. Signature of Applicant or Agent
	TION 3: Additional water licence not required 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
Sig	ned this day of, 20
_	Signature of Applicant or Agent

Last updated September 11, 2023

Signed this day of , 20 .



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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

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Signature of Applicant or Agent



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GENERAL ENVIRONMENTAL INFORMATION

(complete this section for the worst case of the existing facility which is the closest to water bodies or water wells and for each of the proposed facilities)

Facility description / name (as indicated on site plan)

Existing:	Parlour / Strawpack Barn	Proposed 1: Parlour Building/ Calving Prefresh Barn
Proposed 2:	Freestall Barn	Proposed 3: Sand Barn

Facility and environmental risk			Facilities			NRCB USE ONLY	
	information		Proposed 1	Proposed 2	Proposed 3	Meets requirements	Comments
Flood plain information	What is the elevation of the floor of the lowest manure storage or collection facility above the 1:25 year flood plain or the highest known flood level?	■ >1 m □ ≤ 1 m	■ >1 m □ ≤ 1 m	■ >1 m □ ≤1 m	■ > 1 m □ ≤ 1 m	☐ YES ☐ NO ☐ YES with exemption	
r er	How many springs are within 100 m of the manure storage facility or manure collection area?	0	0	0	0	☐ YES ☐ NO ☐ YES with exemption	
Surface water information	How many water wells are within 100 m of the manure storage facility or manure collection area?	2	2	1	0	YES NO YES with exemption	
Su	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	135m	203m	285m (Pond)	326m (Whelp Brook)	☐ YES ☐ NO ☐ YES with	
Iwater	What is the depth to the water table?		6.1m	6.1m	6.1m	☐ YES ☐ NO ☐ YES with exemption	
Groundwater	What is the depth to the groundwater resource/aquifer you draw water from?	31.1m	31.1m	31.1m	31.1m	☐ YES ☐ NO ☐ YES with exemption	

Additional information (attach supporting information, e.g. borehole logs, records, etc. you consider relevant to your application)

Drillers report, well 151676 and well 291848 attached



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

			NRCB USE ONLY				
Neighbour name(s)	Legal land description	Distance (m)	Zoning (LUB) category	MDS category (1-4)	Distance (m)	Waiver attached (if required)	Meets regulations
See Attached Table 1							

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

				NRCB US	E ONLY
Name of land owner(s)*	Legal land description	Usable area** (ha)	Soil zone ***	Usable area (ha)	Agreement attached (if required)
See Attached Table 2					
	·	1	Total		

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

Additional information (attach any additional information as required)

^{**} 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

Table 1. Distance of any manure storage facility to neighboring residences

Neighbor Name	Legal Land Description	Distance (m)
Ganson	NW 17 41 26 W4	667
Duckett, B and D	NE 13 41 27 W4	867
26528 TWP 412	SW 18 41 26 W4	961
Kangiesser, N	SE 13 41 27 W4	996
Erickson, T and S	SW 17 41 26 W4	1116
Douglas	NW 07 41 26 W4	1532
Duckett, K	SE 24 41 27 W4	1567
Nursery Golf Course	SW 07 41 26 W4	1573
Kangiesser, D	NE 12 41 27 W4	1600
Duckett, K (#2)	SE 24 41 27 W4	1624
Kaingiesser, D (#2)	NE 12 31 27 W4	1646
Sulze	NE 08 41 26 W4	1837
26406 TWP 412	SE 17 41 26 W4	1880
Breese, K and L	NW 19 41 26 W4	1925
41108 Range Rd 265	SE 07 41 26 W4	1969
Whitbread	SW/SE 08 41 26 W4	2063
Calkins	NE 24 41 27 W4	2066
Van Ommen	NW 16 41 26 W4	2119

Table 2. Land Base For Manure and Compost Application

Name of Landowner	Legal Land Description	Usable Area (Hectares)	Soil Zone
Philipsen Farm Ltd	W 23 40 26 W4	114	Black
Philipsen, A.D.	NE 12 31 26 W4	59	Black
Philipsen, A.D.	SE 06 41 25 W4	53	Black
Philipsen, A.D.	NE 30 40 35 W4	50	Black
Philipsen, A.D.	NW/NE/SE 29 40 25 W4	175	Black
Philipsen, A.D.	E 18 41 26 W4	103	Black
Ganson Farms Ltd	SW 17 41 26 W4	55	Black
Ganson Farms Ltd	NW 17 41 26 W4	60	Black
Ganson Farms Ltd	SE 19 41 26 W4	55	Black
Ganson, B.L.	NE 7 41 26 W4	41	Black
		765 ha	

Manure Spreading Agreement

This agreement is between Philip	osen Farm Ltd	, manure producer, and
Arie and Dineke Philipsen	manure rec	
Length of agreement: This agree (minimum of one year)		
Legal land location	Soil type ¹	Acres suitable for manure spreading ²
E 18 41 26 W4	Black	255
NE 12 41 26 W4	Black	146
SE 06 41 25 W4	Black	130
NE 30 40 45 W4	Black	122
NW/NE/SE 29 40 25 W4	Black	431
² Land within required setbacks from wat Other comments: Manure producer (Confined Feed		
June 6 2025	Johannes Philip	osen Philipsen Farm Ltd
Date of signing	Print name	Corporate name(if appl)
Manure Receiver – Landowner(s))3	
Date of signing Signature	Print name	Corporate name(if appl)
Date of signing Signature	Are this	Corporate name(if appl)

 $^{\rm 3}$ All registered owners of land, or authorized signing authorities must sign.

Manure Spreading Agreement

This agreement is between Ph	lipsen Farm Ltd	, manure producer, and	
Jacob DeVrij (DeVrij Custom	Farming)		
Length of agreement: This agr (minimum of one year)	reement is valid for a time period		
Legal land location	Soil type ¹	Acres suitable for manure spreading ²	
NW 30 40 25 W4	Black	101	1
SW 30 41 25 W4	Black	128	
1			
¹ Soil type choices: Dark brown and bro ² Land within required setbacks from wa	wn, Grey wooded, Black, Irrigated. ater bodies, water wells, residences, etc.	is not to be included.	ı
Other comments:			
			8.
Manure producer (Confined Feed	ding Operation Model Land Locat	F 18 41 26 WA	
Date of signing	Johannes &	- / .	n Hd,
Manure Receiver – Landowner(s	3		
Date of signing	Tacob do Print name	Corporate name(if appl)	ston farming
Date of signing Signature 3 All registered owners of land, or authori	Print name zed signing authorities must sign.	Corporate name(if appl)	

Manure Spreading Agreement

This agreement is between Philipsen Farm Ltd, manure producer, and					
Brian Ganson (Ganson Farms)					
Length of agreement: This agreement is valid for a time period of 3 years (minimum of one year)					
Legal land location	Soil type ¹	Acres suitable for manure spreading ²			
SW 17 41 26 W4	Black	132			
NW 17 41 26 W4	Black	150			
SE 19 41 26 W4	Black	130			
NE 7 41 26 W4	Black	100			
The second secon					
	<i>f</i>	,			
¹ Soil type choices: Dark brown and brown ² Land within required setbacks from wate	n, Grey wooded, Black, Irrigated. er bodies, water wells, residences, etc. is no	t to be included.			
Other comments:					
Manure producer (Confined Feeding Operation) Legal Land Location E 18 41 26 W4					
June 4 2025 Johannes Philipsen Farm Ltd					
Date of signing Signature	Print name	Corporate name(if appl)			
Manure Receiver – Landowner(s) ³					
June 6/25 (Date of signing Signature	Brian Ga Print name	Ganson Farms Corporate name(if appl)			
Date of signing Signature Print name Corporate name(if appl) All registered owners of land, or authorized signing authorities must sign.					



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Conci	rete liner ete a copy of this section	•		•	lots, & storage facilities -
	rete liner) y description / name (a	as indicated on site plan)	1. Calving	/ Prefresh Barn	
	· -		2.		
Manur	e storage capacity				
	Length (m)	Width (m)		elow grade to the of the liner (m)	NRCB USE ONLY Estimated storage capacity (m³)
1.	60.96 m	15.24 m		0	
2.					
				TOTAL CAPACITY	
Surfac Descr Straw	ments for STMS are set on the set on the set on the set of the set	out in the NRCB <u>Short-Term</u> IS	Solid Manure S	torage Requirements	
Descr	ibe how the physical integ	grity of the liner will be main			
Conci	ete will be to the specif	fications required by the N	NRCB regardir	ng strength, crack c	control and type.
				NRCB USE ONLY	Requirements met: 🗌 YES 🗎 NO
				F	Requirements met: L YES L NO

Concrete liner details
Concrete thickness



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SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities - Concrete liner (cont.)

Method of sulphate protection:

8"	Type 50			
Concrete strength	Concrete strength Concrete reinfo		spacing	
32 MPa	12" grid 10mı	n Rebar		
Concrete requirements can be found in Technical Guideline Ag Guideline minimums: Solid manure: 25MPa (D) Solid manure (wet): 30MPa (C) Method of sulphate protection: Type 50 or Type 10 with fly ash or equivalent Additional information (attach as required)	gdex 096-93	Condition	Y ments met: on required: attached:	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
NRCB USE ONLY				
Nine month manure storage volume requirements met \Box	YES	YES With STMS	□ NO	
Depth to water table:	Req	uirements met:	☐ YES ☐	NO
Depth to Uppermost groundwater resource:	Req	uirements met:	☐ YES ☐	NO
ERST completed: \square see ERST page for details				
Surface water control systems				
Requirements met: YES NO Details/comments:				
Concrete liner details				
Leakage detection system required: \square YES \square NO \square If yes, please explain why.				

Table 3a

Facility Description

	Facility Name	Manure sto	orage Desc	cription	
1	Proposed Parlour Building	Holding area / parlour			
2	Proposed Calving/ Prefresh Barn				
3	Freestall Barn				
4	Sand Barn (Reclamation lane and storage)	Built on grade- with 4 small pits (all measurements in m)			
		Name	Length	Width	Depth
		Lift Pit	3.6	3.6	3.6
		Flush Feed	3.0	4.3	3.6
		Pump out	4.6	4.3	3.6
		Flume pit	5.8	6.1	3.6
5	Connection alley	Between P	arlour and	Freestall	buildings

Table 3b

	Length (m)	Width (m)	Total Depth (m)	Depth Below Ground level (m)
1	78.6	29.6	0	0
2	65.8	40.5	0	0
3	129.8	81.1	0	0
4	21.3	82.9	0 (except for pits listed above)	0
5	6.1	9.8	0	0



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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)

See attached table 3a

Facility description / name (as indicated on site plan)	1. See attached table 3a
	2
	3
Manure storage capacity (use one row in the table for EA	ACH in-barn storage. Attach additional pages if you require more rows)
	NRCR LISE ONLY

	Length (m)	Width (m)	Total depth (m)	Depth below ground level (m)	NRCB USE ONLY Calculated storage capacity (m³)
1.	See attached				
2.	Table 3b				
3.					
				TOTAL CAPACITY	

Concrete liner details

Concrete liner details				
	Concrete thickness 8 "		Method of sulph Type 50	ate protection
Scrape alleys or unslatted portions of barn floors (if applicable)	Concrete strength		Concrete reinforcement size and spacing 10 mm 12" Grid	
In horn manure pit	Concrete thickness 6 "		Method of sulph Type 50	ate protection
In-barn manure pit floors	Concrete strength 32 MPa		Concrete reinfor 10 mm 18" Grid	rcement size and spacing
In-barn manure pit	Concrete thickness 8 "		Method of sulph Type 50	ate protection
walls	Concrete strength 32 MPa	Horizontal reinfo and spacing 12"	rcement size	Vertical reinforcement size and spacing 16"



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LIQUID MANURE COLLECTION AND/OR STORA	GE: 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					
Double water stop prior to pouring.					
Describe sealing practices for piping, etc. that penetrates the lin Sikaflex	ner				
Sikaliex					
Concrete requirements can be found in Technical Guideline Agdex 096-93	NRCB USE ONLY				
Guideline minimums:					
Solid manure: 25MPa (D) Solid manure (wet): 30MPa (C)	Requirements met: YES NO				
Liquid manure: 32MPa (B) Category A is required to be engineered	Condition required:				
Method of sulphate protection: Type 50 or Type 10 with fly ash or equivalent					
Additional information					
NRCB USE ONLY					
Liquid manure storage volume calculator attached: \square YES \square	NO				
Depth to water table:	_ Requirements met:				
Depth to uppermost groundwater resource:	Requirements met:				
ERST completed: ☐ see ERST page for details					
Concrete liner requirements					
Leakage detection system required:	NO If yes, please explain why				
Zeakage detection system required.	2 No 11 yes, piedse explain mi,				