Technical Document RA25009

Part 2 — Technical Requirements



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	RA25009	E1/2 7-29-27 W4M
Amendment		

APPLICATION DISCLOSURE

This information is collected under the authority of the *Agricultural Operation Practices Act* (AOPA), and is subject to the provisions of the *Freedom of Information and Protection of Privacy Act*. 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 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.

January 28 2025

Date of signing

Neudorf Hutterian Brethren

Corporate name (if applicable)

Signature

Mike P Wipf

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)
None	
No facilities proposed	

Existing facilities: list ALL existing confined feeding operation facilities and their dimensions					
Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY			
See attached		Confirmed			
NRCB USE ONLY					



Existing facilities continued		Dimensions (m) (length, width, and depth)	NRCB USE ONLY
 Layer barn – 128.4 m x 26.7 room – 26.2 m x 1.8 m (861) 	4 m (421 ft. and 4 in. x 86 ft. and ft. x 6 ft.)	6 in.) with attached service	
Layer barn extension (solid manure storage pad)	14 m x 7.6 m	RA13033A	1
Swine grower/finisher barn	50.4 m x 108.1 m	RA16022	-
Sow barn	49.9 m x 84.5 m	RA16022	-
Dairy barn	108.5 m x 18.3 m	RA12036 and Pre-2002	
Farrow hog barn	17.4 m x 67.1 m (decommissioned)	RA05026 (partial) and Pre- 2002	
Pullet barn (decommissioned to non-manure storage)	9.8 m x 54.9 m	RA04011D]
Broiler barn	12.2 m x 39.6 m	Pre-2002	
Layer barn (now pullet barn in RA24029)	14 m x 101.8 m plus addition	Pre-2002	
Corral (pen) 1	64 m x 66.1 m	Pre-2002	
Corral (pen) 2	101.2 m x 64 m	Pre-2002	
EMS	135 m x 79.9 m	Pre-2002	
Dry sow barn	16.1 m x 76.8 m (decommissioned)	Pre-2002	
Hog grower barn	19.8 m x 9.1 m (decommissioned)	Pre-2002]
Hog finisher barn	11.6 m x 73.1 m (decommissioned)	Pre-2002]



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

acility is replacing an old facility, please explain what will happen to the old facility a	nd when. 🔳 N/A

Construction completion date for proposed facilities $\underline{N/A}$

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)	2 of the Part 2 Matters Permitted number		Total	
ame As Part 1				
Livestock category and type (Available in the Schedule 2 of the Part 2 Matters Regulation)	Permitted livestock numbers	Proposed increase or decrease in number (if applicable)	Total	
Dairy Cow & Dries & Replacements	85	35	120	
Sows Farrow To Finish	400	200	600	
- Layers	40,000		40,000	
Pullets	22,000		22,000	
Chicken/Broilers	2000	1000	3000	
Turkeys	300	200	500	
Ducks	900	200	1100	
-				

Last updated September 11, 2023

AO Note: Application is to increase the permitted number of sows farrow to finish, dairy cows (plus associated dries and replacements), broilers, ducks, and turkeys RA25009 TD Page 3 of 13



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

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 <u>not</u> 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) <u>00026666-00-00</u>

Signed this <u>28</u> day of	January ,	20 <u>25</u> .	
			ature 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



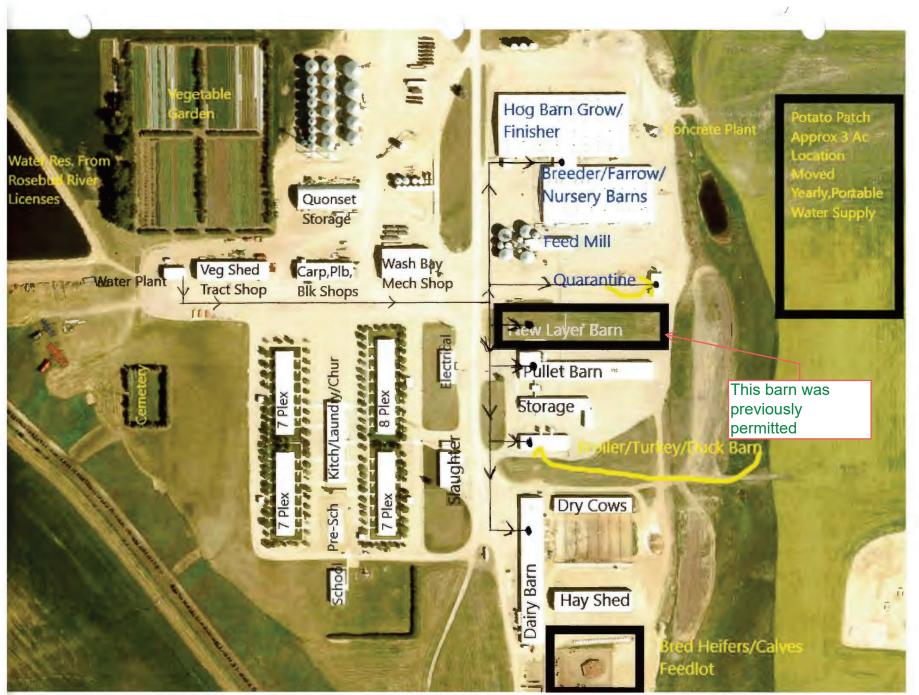
Application under the Agricultural Operation Practices Act for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

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



Page 6 of 8



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

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	New Layer Barn			Propose	d 1:		
Proposed 2: Proposed 3:							
Facili	ty and environmental risk		Faci	lities			NRCB USE ONLY
i den	information	Existing	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		YES INO YES with exemption	Not in a flood plain
n er	How many springs are within 100 m of the manure storage facility or manure collection area?	None				YES NO YES with exemption	No springs observed at site
Surface water information	How many water wells are within 100 m of the manure storage facility or manure collection area?	None				YES NO YES with exemption	Confirmed
Su	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	70 Meters To A Dugout				YES NO YES with exemption	Dugout is 40 m from old swine barns, 70 m from newer swine barr
lwater lation	What is the depth to the water table?	10 Meters				YES NO YES with exemption	Confirmed
Groundwater information	What is the depth to the groundwater resource/aquifer you draw water from?	45-60 Meters				YES NO YES with exemption	UGR previously assessed at 18.6 m in WW 153566 (decommissioned)

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



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

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

					NRCB USE ONI	.Y	
Neighbour name(s)	Legal land description	Distance (m)	Zoning (LUB) category	MDS category (1-4)	Distance (m)	Waiver attached (if required)	Meets regulations
Dave Meggit	South of Colony	1221	Ag	1	1221 m		Yes
Don Miller SE 20-29-27-W4	East of Colony	2000	Ag	1	>2900 m		Yes
Ken Braun SE-17-29-27-W4	East of Colony	1700	Ag	1	1517 m		Yes

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

				NRCB US	SE ONLY
Name of land owner(s)*	Legal land description	Usable area** (ha)	Soil zone ***	Usable area (ha)	Agreement attached (if required)
Neudorf Hutterian Brethren	All section-21-29-27 W4	540 Acres	Black		
	East half of 18-29-27 W4	300 Acres	Black		
	South half 8-29-27-W4	300 Acres	Black		
	East half-17-29-27-W4	300 Acres	Black		
	East half 20-29-27-W4	140 Acres	Black		
	·	-	Total	1500 00	

1580 ac

* 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 <u>Manure Spreading</u> <u>Regulations</u>)

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

Additional information (attach any additional information as required)



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

NRCB USE ONLY

ENVIRONMENTAL RISK SCREENING INFORMATION

ERST for **proposed** facilities

Facility	Groundwater score	Surface water score	File number
No proposed facilities			

ERST for <u>existing</u> facilities

Facility	Groundwater score	Surface water score	File number
Sow barn	Low	Low	RA16022
EMS	Low	Low	RA16022
Layer barn	Low	Low	RA24029
Conversion layer to pullet	Low	Low	RA24029

ERST related comments:

The sow barn and EMS contain liquid manure and are therefore considered to be the highest risk facilities. Because these facilities scored as low potential risk, all other facilities are presumed to also be low risk.



NRCB USE ONLY WATER WELL AND SURFACE WATER INFORMATION								
Well IDs:	1600050 NW		256345 NW			289697 NW		
	1600049 NW		None on SE					
No water wells on the NE quarter, where the CFO facilities are located Surface water related concerns from directly affected parties or referral agencies:							🗆 yes 🖾 no	
Groundwater rela	ted concerns from dir	parties or refe	rral agencies:			🔀 yes 🗌 no		
Water wells 🛛 N/A								
If applicable, exe	If applicable, exemption for 100 m distance requirements applied: 🗌 YES 🗌 NO 🛛 Condition required: 🔹 🗌 YES 🗔 NO							
Surface water	Surface water 🔀 N/A							
If applicable, exe	mption for 30 m dista	nce requireme	nts applied: [YES NO	Conditio	n required:	YES NO	
Water Well Exemption Screening Tool 🛛 🖾 N/A								
Wate	er Well ID	Preliminary Sco	-	Secondary Scre Score	eening		Facility	
Groundwater or surface water related comments:								



NRCB USE ONLY							
MINIMUM DISTANC			Aorial	abatagray	aby		
Methods used to determine	e distance (if appl	icable): _	Aenar	Shotogra	Эпу		
Margin of error (if applicab	le): <u>768 m</u>			1024 m		1280 m	2047 m
Requirements (m): Catego	ry 1:	Ca	tegory 2	1024 111	_ Category 3		
Technology factor:						🗌 YES 🔀	NO
Expansion factor:						🗆 YES 🖾	NO
MDS related concerns from directly affected parties or			or referra	l agencies:		🗆 YES 🖾	NO
LAND BASE FOR MA	NURE AND C	СОМРО	ST AP	PLICATI	NC		
Land base required:	1363 acres						
Land base listed:	1580 acres						
Area not suitable:	Already accounted for						
Available area	1580 acres			Re	equirement me	t: 🖾 YES 🗌] NO
Land spreading agreement	s required:	□ YES	🔀 NO				
Manure management plan:	1	□ YES	🖂 NO	I	f yes, plan is at	tached:	
<u> </u>					, , ,		
PLANS							
Submitted and attached co	nstruction plans:		□ YES	🛛 NO			
Submitted aerial photos:			🛛 YES	🗆 NO			
Submitted photos:			□ YES	🛛 NO			
GRANDFATHERING							
Already completed:					NI/A		
If already completed, see _	RA04011				N/A		
in an eauly completed, see _							



⊠yes □no						
ISITS						
CORRESPONDENCE WITH MUNICIPALITIES AND REFERRAL AGENCIES Date deeming letters sent: February 11, 2025 Municipality: Mountain View County						
🕅 written/email		□ no comments received				
written/email	verbal	no comments received				
written/email	🗌 verbal	o comments received				
written/email	🗌 verbal	no comments received				
Alberta Regulatory Services:						
🔀 written/email	🗌 verbal	no comments received				
Other: Rocky View County						
🛛 written/email	🗌 verbal	□ no comments received				
Other: Rockyview Gas Coop, TAQA North, Altalink Mgmt, Fortis						
written/email	🗌 verbal	o comments received				
	ISITS	Image: Sitts Image: Sitts Image: Sitts Image: Sitts				



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

NRCB USE ONLY					
LIQUID MANURE STORAGE VOLUME CALCULATOR (if applicable)					
		-			
Facility 1					
Name / description EMS	000 cubic metres				
Facility 2					
Name / description	Capacity				
Facility 3					
Name / description					
Facility 4					
Name / description	Capacity				
τοτ	AL CAPACITY	26,000 cubic metres			
REQUIRED 9 MONTH STORAG	14,040 cubic metres				
MEETS THE REQUIREMENTS FOR A MINIMUM OF 9 MONT	HS STORAGE	YES D NO			

Applicant has additional capacity in hog and dairy in-barn pits. Because they easily meet the requirements, I did not include them.