# **Technical Document LA25015**

# 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	LA25015	NW & S <sup>1</sup> ⁄ <sub>2</sub> 3-7-15 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.

Feb. 20/2025 Date of signing

Proiriehome Colony Farming Corporate name (if applicable)

		```			
Sig					
	Jocob	E	Wyld,	ner	

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)
Layer Barn	(131 m x 36.6 m)	430 x 120 ft
Loyer Manure Storage (attached)	(12.2 m x 10.7 m)	40 x 35 ft
Pullet Barn	(99.1 m x 15.8 m)	325 x 52 ft
Pullet Barn Storage (attached)	(12.2 m x 10.7 m)	40 x 35 ft
J~		

Existing facilities: list ALL existing confined feeding operation facilities and their dimensions Dimensions (m) **Existing facilities NRCB USE ONLY** (length, width, and depth) Dry Sow 91.4 mx 20.1 m Swine Loadout 39.6m x 11.6m 13.7m × 11.0m Gilt Development **NRCB USE ONLY** AO Comment: All existing facilities confirmed.



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

Existing facilities continued	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
Swine Finisher Barn	91.4m × 20.1m	
Swine Quarantine	12.2 m x 6.1 m	
Farrowing Barn	81.1m × 20.1m	
Duck/Brailer	38.1m × 15.2m	
Existing Pullet Barn	48.8m x 16.5m	
Existing Layer Barn	88m x 14m	
Dairy	S1.7 mx 16.8 m + 16.8 m	x 14.6m
Dairy Dry Pens	121.9 × 76.2 m	
Slurry #1 2,000,000 Gd galloons		
Slurry #2	800,000	
(atch Basin	91.4m x 30.5 x 5.8m	deep
Solid Manure Storage	30.5 m × 30.5 m.	
Earthen liquid manure storage (EMS)	104 m x 104 m x 3.8 m deep	
		and the second second



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

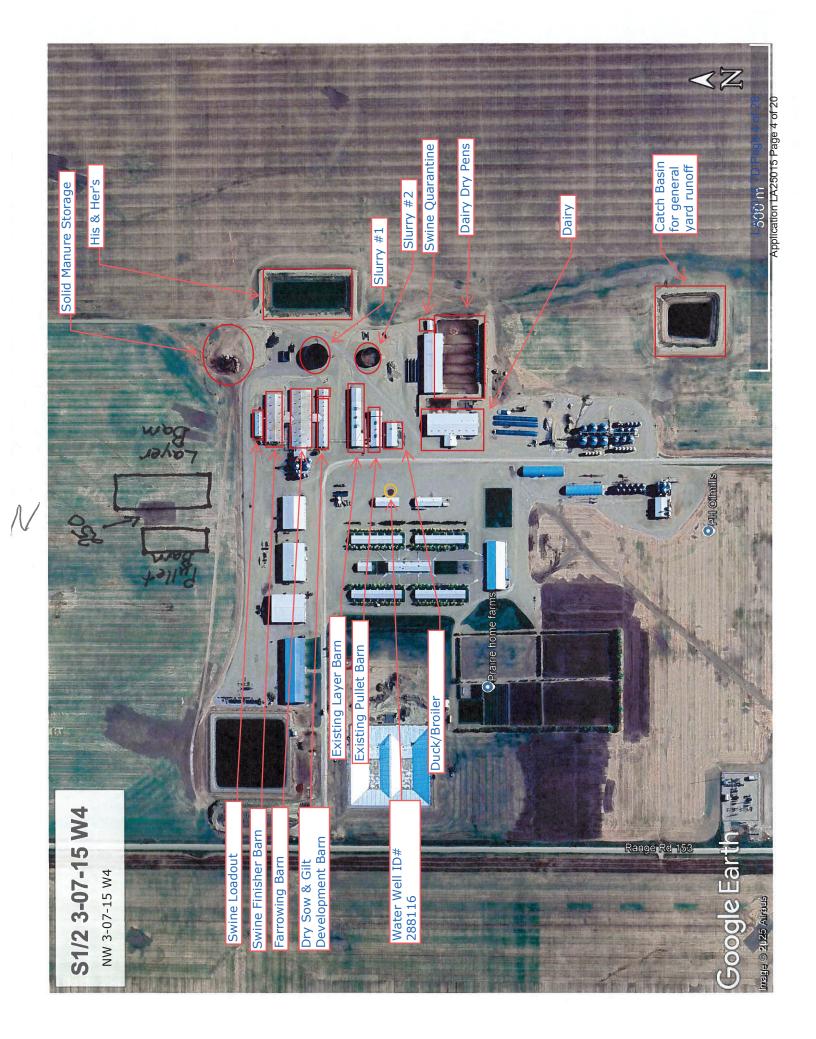
If a new fa	cility is re	placing	an old facility, please	e explain	what will	happer	to the old facility and when.	
will	stay	in	Production	as	long	as	possible.	
	layer and	d pullet					g layer and pullet barns. The esigned to only house the ac	
Constructio Additional			e for proposed facilit	ties	Within	а	-3 construction Oc	Years + 2026

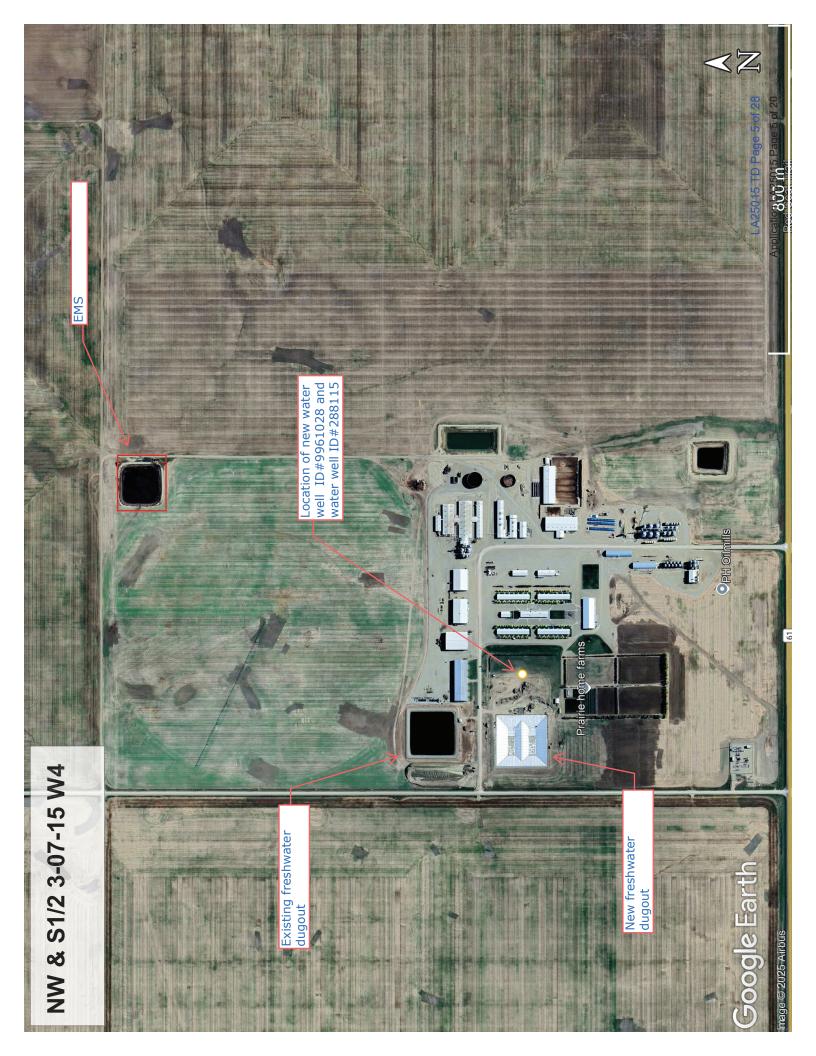
**Livestock numbers:** Complete only if livestock numbers are different from what was identified in the Part 1 application. Note: if livestock numbers increase in your Part 2 application, a new Part 1 application must be submitted which may result in a loss of priority for minimum distance separation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

Livestock category and type vailable in the Schedule 2 of the Part 2 Matters Regulation)	Permitted number	Proposed increase or decrease in number (if applicable)	Total
Same 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
New Layers		50,000	50,000
Loyer Pullets New		30,000	30,000
Broilers		3,000	3,000
Ducks & turkeys	700/ 100	0	700/100 <del><i>800</i></del>
Swine farrow to finish	480	0	480
Doirie Cows dries a replacements	120	0	120
Layers old born	25,000	0	25,000
Loyer Pullets old bar	20,000	0	20,000

Last updated September 11, 2023 AO Comment: Animal numbers pulled from Part 1 application. Proposed total livestock has not changed. LA25015 TD Page 3 of 28

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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 **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*).
- 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 \_\_\_\_\_ day of \_\_\_\_\_\_, 20\_\_\_\_\_,

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 \_\_\_\_\_ AO Comment: Please see following pages for agreements with water co-ops.

Signed this $\underline{\mathcal{XO}}$ day of _	Feb. , 202	5.	-	or Agent
				JI Agent

Last updated September 11, 2023

# **PHFarming Minister 1**

From: Sent: To: Subject: Attachments: Marlin Kennedy Wednesday, January 17, 2024 3:00 PM

New Reservoir at Section 4-007-15 W4 GIS Overview.pdf

Hi Jake,

Thank you for your time on the phone today. As discussed, the Prairiehome Hutterian Brethren have an existing 10 million imperial gallon raw water reservoir on section 3-007-15 W4, and are interested in constructing a new reservoir west on section 4-007-15 W4 (west, across the road from the existing reservoir). At this time, the proposed volume capacity of the new capacity is also 10 million imperial gallons; but that may be increased to accommodate additional water storage if/when the colony pursues irrigation projects using water from the expansion of Chin Reservoir. Jake, your specific inquiry is whether or not any type of approval is required from Environment and Protected Areas for the new dugout.

The current reservoir, and the proposed new reservoir would be filled with water supplied from 3 water co-ops...and perhaps from Chin Reservoir in the future. A summary of the current water supply from the co-ops is:

1.	Skiff Water Co-op (water from Chin Reservoir)	= 25 igpm (Imperial gallons per
	minute)	
2.	Wrentham Water Co-op (water from Ridge Reservoir)	= 2 igpm
3.	Southeast Alberta (SEA) Water Co-op (water from Ridge Reservoir)	= 12 igpm
	Total water supply from the 3 water co-ops	= 39 igpmand this water trickled

Total water supply from the 3 water co-ops into the reservoir 24 hours a day, 7 days a week...365 days a year

In addition to the new reservoir increasing the total volume of water able to be stored at the colony, the new reservoir will allow water to be moved from the existing reservoir to the new reservoir to that cleaning (silt removal) and maintenance (seepage/leaks) of the existing reservoir can be conducted. The new reservoir will have built-up sides to that surface water runoff/snowmelt will not be captured in the reservoir.

Water stored in the reservoirs will be used for watering grass, garden and livestock, and you verified that water diverted under your 2 existing Water Act licences (ground water licences) does not go to the reservoirs...water from the wells goes to the community kitchen, to homes and is used for laundry.

I have attached an image displaying where I believe the new reservoir is proposed to be situated.

Please let me know if I have misunderstood anything we spoke about, or if the attached image does not accurately represent where the new reservoir is proposed for construction. Also, please verify that Prairiehome HB owns the land where the new reservoir is proposed on section 4-007-15 W4.

Once I am confident that I'm understanding everything correctly, I'll be better able to provide regulatory advice from a Water Act perspective.

Thanks again for your time today Jake.

Marlin

Water Coops

## Marlin

**Marlin Kennedy** - *WATER ACT* Approvals Technologist Regulatory Assurance Division, South Branch - Lethbridge Government of Alberta

Alberta

#### **ONLINE RESOURCES:**

Approval Applications and Code of Practice Notifications via DRAS (Digital Regulatory Assurance System) - <u>https://www.alberta.ca/digital-regulatory-assurance-system.aspx</u>

Water Wells - https://www.alberta.ca/groundwater-and-water-wells.aspx

Wetlands - https://www.alberta.ca/alberta-wetland-policy-implementation.aspx

**Classification: Protected A** 

SKIFF WATER CO-OP LTD. Box 45 Skiff Alberta TOK 2BO

Feb.20, 2024

Prairiehome Colony

Alberta Environment, To whom it may concern;

Re. water shares with the Skiff water coop.

Prairiehome colony has 25 (one imp. gal. shares) of water with the Skiff Water Coop, on SW  $\frac{1}{2}$  of sec. 5 twp. 7 rge. 15 W4, The coop operates 24 hr. a day, 365 days a year, water out of the east end of the Chin reservoir.

Sincerely; Skiff Water Coop, Board.

If you need any additional information or inquiries, you can call the ph. number below.

Chairman. Mark Unrau



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S	Ε	A

# Water Co-op Ltd

South East Alberta Water Co-op Ltd. Box 239 Foremost Alberta TOK OXO Phone Email

February 20, 2024

Prairie Home Hutterian Brethren Box 147 Wrentham,AB TOK 2PO

Dear Jake Waldner,

RE: shares/units in Coop

To follow up on your request regarding the number of share/units you currently have with the coop see the info below.

You have 6 shares/units with the coop. Each share/unit provides 2 imperial gallons per minute. Our system operates 24 hour a day, 365 days a year.

As you mentioned, you plan to empty and do work in your dugout (containment area) this summer/fall. At this time, the board can not make any commitments on the amount of water we are able to supply this year. Please keep us informed of your plans, runoff and water availability is constantly changing and decisions will need to be made as the situation evolves this spring and summer.

If	you require	any other	information	on	this	please	feel	free	to	contact	the	office	at
bv	email at												

or

Sincerely,

LaDonna Hammel Secretary/Treasurer South East Alberta Water Co-op Ltd.





# **RIDGE RESERVOIR WATER ASSOCIATION**

Box 143 Wrentham, AB TOK 2PO

February 26, 2024

Alberta Environment

c.c. Prairiehome Colony Farming Co. Ltd.

To Whom It May Concern;

Re: Confirmation of Memberships

The purpose of this letter is to confirm that Prairiehome Colony Farming Co. Ltd. has the following two memberships with the Ridge Reservoir Water Association, each with the capacity of 3 US gallons per minute:

Share #32 Section 5 Township 7 Range 15 W4

Share # 106 Section 3 Township 7 Range 15 W4

If you require any additional information or have inquiries, do not hesitate to call Jim Nilsson and the second or contact Heather at

Regards;

Jim Nilsson Ridge Reservoir Water Association

JN:hn

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

NRCB USE ONLY		WATER INFORMATI	ON	
Well IDs:	288116		88115	9961028
weil IDS:				
Surface water rel	ated concerns from di	rectly affected parties or ref	erral agencies:	🗆 yes 🔽 no
Groundwater rela	ted concerns from dire	ectly affected parties or refe	erral agencies:	🗌 yes 🔽 no
Water wells	☑ N/A			
If applicable, exe	mption for 100 m dist	ance requirements applied:	YES NO Condition	n required: 🛛 YES 🗌 NO
Surface water	🗹 N/A			
If applicable, exe	mption for 30 m dista	nce requirements applied:	YES NO Condition	n required: 🛛 YES 🗌 NO
Mater Mall Eve	mation Concerning T	ool 🔽 N/A		
water well Exe	mption Screening To			
Wate	er Well ID	Preliminary Screening Score	Secondary Screening	Facility
		Score	Score	
Groundwater or	· surface water relat	ed comments		
		eu conmento.		

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

NRCB Natural Resources Conservation Board

# **GENERAL ENVIRONMENTAL INFORMATION**

with attached manure (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).

Proposed 1: Barn laver Existing:

Barn - storage room Laver New

Proposed 2:	12: New Pullet Barn		with attached manure	re Proposed 3:	13:		
		storage roon	e room				
Facilit	Facility and environmental risk		Facil	Facilities			NRCB USE ONLY
	information	Existing	Proposed 1	Proposed 2	Proposed 3	Meets requirements	Comments
	What is the elevation of the floor of the lowest manure storage or	∠ >1 m	<mark>ر</mark> ~1 m	► >1 m	1 m 1		Not located in a known flood plain
a boola smroîni	collection racility above the 1.25 year flood plain or the highest known flood level?	 ≥ 1 ⊐		 1 ™	 ≤ 1 m	T YES with exemption	
	How many springs are within 100 m					VES DNO	None observed on site
L	of the manure storage facility or manure collection area?	C	0	$\mathcal{O}$	C	TYES with	
		)		)	)	exemption	
	How many water wells are within					VYES DNO	from WW ID# 288116. Proposed
face miof	100 m of the manure storage facility or manure collection area?	-	0	0	0	TES with exemption	facilities to be located >100 m from well.
	What is the shortest distance from					VES DNO	Slough on south side of HWY 61
	the manure collection or storage facility to a surface water body?	1.5m:le	5 miles 1.5 miles	l.5 m:les	I.Smiles I.Smiles	TeS with	located approximately 320 m from closest CFO facility (catch basin)
	(e.g., lake, creek, slough, seasonal)					exemption	
L	Without in the other of the states.					VES DNO	No water table encountered on
	what is the depth to the water table?		10 m	r 0/	102	TES with	site
						exemption	
orn	What is the depth to the					VES DNO	UGR 182 m below grade in
	groundwater resource/aquifer you	182 m	182 m	182m	182 m	TeS with	WW ID# 288115

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

TES with exemption

What is the depth to the groundwater resource/aquifer you draw water from?



The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

View in Imperial Export to Excel 288116

GoA Well Tag No. Drilling Company Well ID

GIC Well ID

1007/05/04

OWN ID		а	ccuracy. The in	itormation on t	this report will be i	retained in a p	oublic database.			Date Report R		1997/05/01
Well Identific	ation and Lo	ocation									M	easurement in Metr
Owner Name PRAIRIE HON	ΙE		Address P.O. BOX	240 WARNE	ĒR	Town			Province	Cou	ntry	Postal Code
	1/4 or LSD SW	SEC 3	TWP 7	<i>RGE</i> 15	W of MER 4	Lot	Block	Plan	Additio	nal Description		
Measured fror	r	n from n from				9.527643	imal Degrees Longitud	·	3) .963240	Elevation How Elevatio Not Obtained		m
Drilling Inform Method of Dr. Rotary Proposed We Domestic	lling				<b>Type of Wor</b> New Well	rk						
Formation Lo	Da			Mea	asurement in	Metric	Yield Test	Summ	arv		M	easurement in Metr
Depth from ground level (	Water	Litholog	gy Description					ded Pun	<i>np Rate</i> Vater Removal	31.82 L/min	-	c Water Level (m)
42.67	inj Dearing	Till &	Clav				1996/04/3		31.8		5.60	30.48
48.77		Siltsto				-	Well Comp		51.0	-	M	easurement in Meti
54.86		Siltsto	one & Sandsto	one					Finished Wel	Depth Start		End Date
201.17		Shale					249.94 m			1996/	04/04	1996/04/30
249.94		Milk Ri	iver Shale				Borehole					To (m)
							Wall Thick	m at :	0.478 cr 48.77 m Diamete Slot W m) (cm 94 0.06 Machine nent/Grout	n Wall T Eer or idth Slot Le ) (cr 4	n)	1.270 cm 0.00 m
							From Attach Top Fitt <b>Pack</b>	e OD : _ m (m) ment	0.00 cr	To (m)	n Fittings _ Size	Slot Size (cm)
Contractor C		nsihle for	drilling/cons	truction of w	vell.			ertificat	ion No			
UNKNOWN N			anning/00/15		011		1					

Copy of Well report provided to owner Date approval holder signed



The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

View in Imperial Export to Excel 288116

GoA Well Tag No. Drilling Company Well ID

GIC Well ID

1007/05/04

WN ID	а	couracy. The morn	auon on uns report will	be retained in a pu	ublic database.		Date Report Receiv	
Well Identificatio	n and Location							Measurement in Metr
Owner Name PRAIRIE HOME		Address P.O. BOX 240	WARNER	Town		Province	Country	Postal Code
Location 1/4 o SW	r LSD SEC 3		RGE W of MER 15 4	R Lot	Block Pl	an Additio	nal Description	
Measured from Bo	undary of				mal Degrees (N	· · · · · · · · · · · · · · · · · · ·		
	m from				Longitude	-111.963240	Elevation	
	m from		How Loca	ation Obtained			How Elevation Ob	tained
			Not Verifi	ed			Not Obtained	
Additional Inform	ation							Measurement in Metr
Distance From To	p of Casing to Gro	ound Level	cm					
Is Artesian Flow				ls	Flow Control In	stalled		
Rate		L/min			De	scribe		
Recommended P	ump Rate		31.82 L	/min Pump	Installed		Depth	m
Recommended P	ump Intake Depth	(From TOC)	182.88 m					H.P.
							Model (Output R	ating)
Did vou Encoun	ter Saline Water (:	(TDS מממ 2000<	De	enth	m We	II Disinfected Upor	Completion	
		Gas	De	enth	m	Geophysical Lo	n Taken	
Remedial Actior	1 Taken			-pui	1	Submitted to		
	TS DISTANCE FF		SING TO GROUNL	) LEVEL: .3 M. 8			D AS PER DRILLER	
Yield Test							Ground Level	Measurement in Met
<i>Test Date</i> 1996/04/30	Start Tim 12:00 AM		Static Water Leve 30.48 m		Pumping	(m) I	Elapsed Time Minutes:Sec	
							T III I GCOOLOCE	Recovery (m)
Method of Water	Removal				5.00		0:00	Recovery (m) 27.51
	Type Pump			[	5.60		1:00	27.51
Remova					5.60 9.60		1:00 2:00	27.51 20.10
	l Rate	31.82 L/min			5.60 9.60 13.30		1:00 2:00 3:00	27.51 20.10 16.90
Depth Withdrawn					5.60 9.60 13.30 15.50		1:00 2:00 3:00 4:00	27.51 20.10 16.90 14.29
Depth Withdrawn	From 1				5.60 9.60 13.30 15.50 17.85		1:00 2:00 3:00 4:00 5:00	27.51 20.10 16.90 14.29 11.85
		76.78 m			5.60 9.60 13.30 15.50 17.85 19.58		1:00 2:00 3:00 4:00 5:00 6:00	27.51 20.10 16.90 14.29 11.85 9.80
	From 1	76.78 m			5.60 9.60 13.30 15.50 17.85		1:00 2:00 3:00 4:00 5:00	27.51 20.10 16.90 14.29 11.85
	From 1	76.78 m			5.60 9.60 13.30 15.50 17.85 19.58 21.25		1:00 2:00 3:00 4:00 5:00 6:00 7:00	27.51 20.10 16.90 14.29 11.85 9.80 8.20
	From 1	76.78 m			5.60 9.60 13.30 15.50 17.85 19.58 21.25 22.50		1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00	27.51 20.10 16.90 14.29 11.85 9.80 8.20 7.00
	From 1	76.78 m			5.60 9.60 13.30 15.50 17.85 21.25 22.50 23.64 24.60 26.24		1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 12:00	27.51 20.10 16.90 14.29 11.85 9.80 8.20 7.00 5.85 4.86 3.37
	From 1	76.78 m			5.60 9.60 13.30 17.85 19.58 21.25 22.50 23.64 24.60		1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 12:00 14:00	27.51 20.10 16.90 14.29 11.85 9.80 8.20 7.00 5.85 4.86 3.37 1.97
	From 1	76.78 m			5.60 9.60 13.30 15.50 17.85 21.25 22.50 23.64 24.60 26.24		1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 12:00	27.51 20.10 16.90 14.29 11.85 9.80 8.20 7.00 5.85 4.86 3.37
lf water removal p	From <u>1</u> eriod was < 2 hou	76.78 m			5.60 9.60 13.30 15.50 17.85 21.25 22.50 23.64 24.60 26.24		1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 12:00 14:00	27.51 20.10 16.90 14.29 11.85 9.80 8.20 7.00 5.85 4.86 3.37 1.97
lf water removal p Water Diverted f	From <u>1</u> eriod was < 2 hou	76.78 m			5.60 9.60 13.30 15.50 17.85 21.25 22.50 23.64 24.60 26.24		1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 12:00 14:00 20:00	27.51 20.10 16.90 14.29 11.85 9.80 8.20 7.00 5.85 4.86 3.37 1.97
lf water removal p	From <u>1</u> eriod was < 2 hou	76.78 m	Amount Taken		5.60 9.60 13.30 15.50 17.85 21.25 22.50 23.64 24.60 26.24		1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 12:00 14:00	27.51 20.10 16.90 14.29 11.85 9.80 8.20 7.00 5.85 4.86 3.37 1.97

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1	
Company Name CAMFIELD DRILLING SERVICES LTD.	Copy of Well report provided to owner	Date approval holder signed



The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

View in Imperial Export to Excel 288115

GIC Well ID GoA Well Tag No. Drilling Company Well ID Date Report Received

1997/05/01

GOWN ID		acc	uracy. The ini	ormation on	this report will be retaine	ied in a pl	ublic database.		Date I	Report Receive	d 1997/05/01	
Well Identificat	ion and Lo	cation									Measurement in	Metric
Owner Name PRAIRIE HOME	COLONY		<i>Address</i> P.O. BOX 2	40		<i>Town</i> WARN	ER		ovince BERTA	Country CANADA	Postal (	Code
Location 1/4 SV	t or LSD V	SEC 3	TWP 7	<i>RGE</i> 15	W of MER Lo 4	.ot	Block Pl	'an A	Additional Des	scription		
Measured from E	n	n from n from			GPS Coordinates Latitude 49.52 How Location Obt Not Verified	7643	- · · ·	<del>AD 83)</del> -111.963240	How	ation Elevation Obtai Obtained		
Drilling Informa Method of Drilli Rotary Proposed Well Domestic	ng				<b>Type of Work</b> New Well							
Formation Log				I Me	asurement in Metr	ric	Yield Test Su	Immary			Measurement in	Metri
		Lithology	Description				Recommended	,	31.8	32 L/min	Measurement in	Weth
Depth from ground level (m)	Water Bearing	LILIIOIOGY	Description				Test Date		moval Rate (		itatic Water Level (r	n)
54.86		Till & Cl	ау				1997/01/27		31.82		48.07	
57.91		Loose Sh	nale				Well Comple	tion			Measurement in	Metri
60.96		Shale					Total Depth Dr		ed Well Depth	Start Date	End Date	
182.88		Shale					249.94 m			1996/10/09	1996/10/25	
243.84		Milk Rive	r Siltstone	& Sandstor	e		Borehole					
249.94		Shale					Diameter 15.5		From 0.		To (m) 249.94	
							Wall Thicknes Bottom Perforations From (m) 182.88 Perforated by Annular Seal Placed from Amount Other Seals Screen Type Size C From ( Attachme	ss : 0.8 at : 60 To (m) 249.94 Machine Bentonite C 60.96 Type D :	cm To	(m)	ss : 0.762 cm at : 0.00 m at : 249.94 m Hole or Slot Interval(cm) 5.08 At (m)	
							Amount	15.00 Fe	eet			
Contractor Cer							-					
Name of Journey	DRILLER	isible for d	rilling/const	ruction of v	vell		1	ification No				
Company Name CAMFIELD DRIL		ICES LTD	).				Сор	y of Well rep	ort provided t		e approval holder sig 5/10/30	gned



The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

View in Imperial Export to Excel

GoA Well Tag No. Drilling Company Well ID Date Report Received

GIC Well ID

288115

1997/05/01

GOWN ID	accuracy. The inf	ormation on this report will be retained	l in a public database.		Report Received	
Well Identification and	Location				· ·	Measurement in Metric
Owner Name PRAIRIE HOME COLON	Address IY P.O. BOX 2		<sup>r</sup> own VARNER	Province ALBERTA	Country CANADA	Postal Code
Location 1/4 or LSD SW	SEC TWP 3 7	15 4	Block Plan	Additional De	escription	
Measured from Boundar	y of		n Decimal Degrees (NAD	· ·		
	m from		643 Longitude -11		ration	
	m from	How Location Obta	ined		/ Elevation Obtain	ned
		Not Verified		l Not	Obtained	
Additional Information						Measurement in Metric
	asing to Ground Level					
Is Artesian Flow			Is Flow Control Instal	led		
Rate	L/min		Descr	ibe		
Recommended Pump R	Rate	31.82 L/min	Pump Installed	Dep	th	m
Recommended Pump Ir	ntake Depth (From TOC)	158.50 m		Make	Н.	Р
				M	odel (Output Ratin	ng)
Did you Encounter Sa	line Water (>4000 ppm TL	DS) Depth	m Well Di	sinfected Upon Com	oletion	
-				Geophysical Log Take		
Remedial Action Take				Submitted to ESR		
Yield Test			-	Taken From Groun Depth to w		Measurement in Metric
Test Date 1997/01/27	Start Time 12:00 AM	Static Water Level 48.07 m	Pumping (m)		d Time	Recovery (m)
Method of Water Rem	oval		51.39	1:		86.43
	Pump		54.72 56.58	2:		84.19 82.49
			62.20	4:		80.79
	31.82 L/min		66.83	5:	00	79.19
Depth Withdrawn From	158.50 m		68.27	6:		77.94
If water removal period	was < 2 hours, explain wh	V	- 91.03 70.75	7:		
n nator romovar ponoa	nuo · E nouro, explain mi	3	71.99	9:		
			72.97	10:	00	
			74.73	12:		71.49
			76.99	14:		(0.12
				16:		69.13 66.06
			81.45	25		63.91
			82.68	30:		62.44
			83.50	40:		59.91
			84.44	50:		58.43
			84.91 85.09	60:		57.42 56.17
			85.09	105		55.35
			88.86	120		54.88
	909					
Water Diverted for Dr	liling					
Water Source		Amount Taken L		Diversion Date	e & Time	

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	<i>Certification No</i> 1	
Company Name CAMFIELD DRILLING SERVICES LTD.	Copy of Well report provided to owner	Date approval holder signed 1996/10/30

## AO Comment: New water well drilled near new freshwater dugout. Located >200 m from proposed pullet barn, which is the closest CFO facility.

# Water Well Drilling Report berta

The driller supplies the data contained in this report. The Province disclaims responsibility for its

View in Imperial Export to Excel GIC Well ID

GoA Well Tag No.

9961028 A8304

	ification and L	а			contained in this rep n this report will be r					Drilling Company Well Date Report Received	
Owner Nan		ocation	Address P.O. BOX	147		Town WRE	NTHAM		Province ALBERTA	Country	Postal Code T0K 2P0
Location	1/4 or LSD 5	SEC 3	TWP 7	<i>RGE</i> 15	W of MER 4	Lot	Block	Plan	Addition	al Description	
Measured f		of Qu m from No m from Ea			GPS Coordin Latitude <u>4</u> How Locatior Surveyed GF	9.529443 Obtained	Longi	es (NAD 83 tude <u>-111</u> .	·	Elevation 9 How Elevation Obtair Surveyed GPS <1m	44.88 m

<b>Method of Drillin</b> Rotary - Mud	g		<b>Type of Work</b> New Well						
Proposed Well L Domestic	lse								
Formation Log		N	leasurement in Metric	Yield Test Su	ummary			Measurement in N	<b>v</b> et
Depth from	Water	Lithology Description		Recommended	d Pump R	ate22	.73 L/min		
ground level (m)	Bearing			Test Date	Water	Removal Rate	(L/min)	Static Water Level (m)	1
24.38		Dark Sandy Sand & Clay		2023/06/06		22.73		68.58	
36.58		Dark Hard Sand & Rocks		Well Comple	tion			Measurement in M	<b>Net</b>
184.40		Light Shaly Shale & Sandston	e			ished Well Depi			
185.93		Dark Hard Coal		251.46 m	251	.46 m	2023/06/04	4 2023/07/01	
193.55		Dark Hard Shale		Borehole				-	
248.41		Light Hard Sandstone		Diameter			m (m) 0.00	To (m) 251.46	
251.46		Light Hard Shale		13.9 Surface Casin Steel			Well Casing Cement		
					DD :	13.97 cm		<i>OD :</i> 11.18 cm	
				Wall Thickne			Wall Thickn		
				Bottom	at :	251.46 m	То	<i>p at :</i> 185.93 m	
							Bottor	<i>m at :</i> 251.46 m	
				Perforations					
						Diameter or Slot Width	Slot Length	Hole or Slot	
				From (m)	To (m)	(cm)	(cm)	Interval(cm)	
				193.55	243.84	0.635	43.18	30.48	
				Perforated by	Mach	nine			
				Annular Seal					
				Placed from		m to	m	_	
				Amount	f				
				Other Seals					
					Type			At (m)	
				Screen Type	DD :	cm			
					(m)		o (m)	Slot Size (cm)	
					,				
				Attachme	ent				
				Top Fittin	gs		Bottom Fitt	ings	_
				Pack					
				Туре			Grain Size		
				Amount			_		
									-

Name of Journeyman responsible for drilling/construction of well

RICHARD COVERDALE Company Name

MILK RIVER WATER WELL DRILLING

Certification No 3836AD Date approval holder signed Copy of Well report provided to owner 2023/08/01 Yes



The driller supplies the data contained in this report. The Province disclaims responsibility for its

View in Imperial Export to Excel

GIC Well ID

GoA Well Tag No.

9961028 A8304

			t. The Province disclaims respor ained in a public database.	Drillin	g Company Well ID Report Received	2023/08/01
Well Identification and Location				Duto		easurement in Met
Owner Name	Address		Town	Province		Postal Code
PRAIRIE HOME FARMS	P.O. BOX 147		WRENTHAM	ALBERTA	CANADA	T0K 2P0
Location 1/4 or LSD SEC 5 3	<i>TWP RGE</i> 7 15	W of MER 4	Lot Block Plan	Additional De	scription	
Measured from Boundary of Qua	arter		es in Decimal Degrees (NAI			
201.17 m from No	rth		529443 Longitude -1			
82.60 m from Ea	st	How Location C			Elevation Obtained	1
		Surveyed GPS	<1m	Surv	eyed GPS <1m	
Additional Information					Me	easurement in Me
Distance From Top of Casing to Grou		91.44 cm				
Is Artesian Flow			Is Flow Control Inst	alled	_	
Rate	L/min		Pump Installed	cribe		
Recommended Pump Rate		22.73 L/min	Pump Installed	Depti	h	1
Recommended Pump Intake Depth (I	From TOC)	164.59 m	Туре	Make	H.P.	
				Мо	del (Output Rating)	
Did you Encounter Saline Water (>4	4000 ppm TDS)	Depth	m Well	Disinfected Upon Comp	letion Yes	
	Gas	Depth	m	Geophysical Log Take	n	
Remedial Action Taken				Submitted to ESRL	0	
Additional Comments on Mall			Sample Collected	for Potability Yes	Submitted	to ESRD
Additional Comments on Well						
UPDATED MAILING ADDRESS, STA	ATIC WATER LEVEL	, AND DRAWDOWN	AND RECOVERY VALUES	SAT REQUEST OF DR	ILLER 2024-03-27.	
Yield Test				Taken From Top of	0	easurement in Me
Test Date Start Time	e Sta	tic Water Level		Depth to wa		
2023/06/06 11:00 AM		68.58 m	Pumping (r	n) Elapsed Minute		Recovery (m)
			68.58	0:0		146.91
Method of Water Removal			72.24	1:0		144.48
Type Pump			74.98	2:0		141.73
Removal Rate 2	2.73 L/min		77.42	3:0		139.29
Depth Withdrawn From 18			80.47	4:0		136.86 134.72
	2.00 111		85.04	6:0		132.59
If water removal period was < 2 hours	s explain why		87.17	7:0		130.76
in mater removal period mae + 2 neuro	s, explain why		89.31	8:0		128.63
			91.44	9:0		126.80
			93.57	10:0		124.97
			97.23	12:0	00	121.31
			100.28	14:0	00	118.26
			103.02	16:0		115.21
			105.46	18:0		112.17
			107.59	20:0		109.73
			112.47 116.13	25:0		103.63 98.15
			110.15	35:0		93.57
			122.83	40:0		91.44
			130.76	50:0		86.87
			136.86	60:0		82.60
			142.34	75:0		79.25
			144.78	90:0		76.81
			146.30	105:		74.98 73.15
			146.91	120:	00	/3.13
Water Diverted for Drilling						
Water Source	Λ,	mount Taken		Diversion Date	& Time	
DUGOUT		6460.92 L		2023/06/04 11		
Contractor Cortification						
Contractor Certification Name of Journeyman responsible for a	drilling/construction o	fwell	Certifi	cation No		
RICHARD COVERDALE			3836A			
Company Name				_ of Well report provided t	o owner Date an	proval holder signed
MILK RIVER WATER WELL DRILLING	G		Yes		2023/08	
inted on 4/2/2025 12:53:43 PM				LA2	25015 TD Page	19 of 28 Page: 2



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**

#### $\ensuremath{\mathsf{ERST}}$ for $\ensuremath{\underline{\mathsf{proposed}}}$ facilities

Facility	Groundwater score	Surface water score	File number
New layer barn with attached manure storage	Low	Low	LA25015
New pullet barn with attached manure storage	Low	Low	LA25015

#### ERST for <u>existing</u> facilities

Facility	Groundwater score	Surface water score	File number
Existing pullet barn	Low	Low	LA18008
Duck & broiler barn	Low	Low	LA18008
Dry sow barn	Low	Low	LA18008
Swine loadout	Low	Low	LA18008
Gilt development barn	Low	Low	LA18008
Swine Finisher barn	Low	Low	LA18008
Farrowing barn	Low	Low	LA18008
Existing layer barn	Low	Low	LA18008

#### ERST related comments:

Dairy barn	Low	Low	LA18008
Dairy dry pens	Low	Low	LA18008
Slurry store #1	Low	Low	LA18008
Slurry store #2	Low	Low	LA18008
Catch basin	Low	Low	LA18008
Solid manure storage	Low	Low	LA18008
EMS	Low	Low	LA18008





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 ONLY				
Neighbour name(s)	Legal land description	Distance (m)	Zoning (LUB) category	MDS category (1-4)	Distance (m)	Waiver attached (if required)	Meets regulations
Richard Rose Mary Owens	SE 16-7-15-W4	2439	Agriculture	1	1,920	N/A	Yes
Francis Smith	NE 11-7-15 W4	2439	Agriculture	1	2,580	N/A	Yes
Kim Öwen	5W 13-7-15W4	2896	Agriculture	1	3,260	N/A	Yes

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

			NRCB USE ONLY		
Name of land owner(s)*	Legal land description	Usable area** (ha)	Soil zone ***	Usable area (ha)	Agreement attached (if required)
Prairie Home Colony	SE N= 3-7-15 W4	480	Dry	Unusable areas	N/A
/	N= 2-7-15 W4	320	(brown/dark brown)	already accounted for	
	N/2 4-7-15 W4	320			
s	5 \$ 9-7-15 W4	320			
	All of 8-7-15 W4	640			
	All of 10-7-15 W4 SW 11-7-15 W4	640	Total	2,880 acres	

\* 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)

AO Comment: Land base listed in acres.

Name	Prairiehome Hutterian Brethren
Address	
Legal Land	
Location	SW 3-7-15 W4

#### MDS Spreadsheet based on 2006 AOPA Regulations

Category	Type of Livestock	Factor A	Technology	MU	LSU	Number of	LSU
of	.,,,		Factor		Factor	Animals	
Livestock			1 dotor		1 00101	7 anniaio	
Feedlot	Beef Cows/Finishers (900+ lbs)	0.700	0.700	0.910	0.4459		-
Animals	Beef Feeders (450 - 900 lbs)	0.700	0.700	0.500	0.2450		-
	Beef Feeder Calves (<550 lbs)	0.700	0.700	0.275	0.1348		-
	Horses - PMU	0.650	0.700	1.000	0.4550		-
	Horses - Feeders > 750 lbs	0.650		1.000	0.4550		-
	Horses - Foals < 750 lbs	0.650	0.700	0.300	0.1365		-
	Mules	0.600		1.000	0.4200		-
	Donkeys	0.600		0.670	0.2814	-	-
	Bison	0.600	0.700	1.000	0.4200		-
	Other						-
Dairy (*count	Free Stall – Lactating Cows with all associated dries, heifers, and calves*	0.800	1.100	2.000	1.7600	120	211
actating	Free Stall – Lactating Cows with Dry Cows only*	0.800	1.100	1.640	1.4432		-
conc ciny)	Free Stall – Lactating Cows only	0.800	1,100	1.400	1.2320		
	Tie Stall – Lactating Cows only	0.800	1.000	1.400	1.1200		
	Loose Housing – Lactating Cows						
	only Dry Cow	0.800		1.400	1.1200		-
	-	0.800	0.700	1.000	0.5600		
	Replacements – Bred Heifers (Breeding to Calving)	0.800	0.700	0.875	0.4900		-
	Replacements - Growing Heifers (350 lbs to breeding)	0.800	0.700	0.525	0.2940		-
	Calves (< 350 lbs)	0.800	0.700	0.200	0.1120		-
	Other						-
Swine	Farrow to finish *	2.000	1.100	1.780	3.9160	480	1,879
Liquid	Farrow to wean *	2.000	1.100	0.670	1.4740		-
(*count	Farrow only *	2.000		0.530	1.1660		
sows only)	Feeders/Boars	2.000		0.200	0.4400		
30W3 Offiy)	Growers/Roasters	2.000		0.200	0.2600		
							-
	Weaners	2.000	1.100	0.055	0.1210		-
0							-
Swine	Farrow to finish *	2.000		1.780	2.8480		-
Solid	Farrow to wean *	2.000		0.670	1.0720		-
(*Count	Farrow only *	2.000	0.800	0.530	0.8480		-
sows only)	Feeders/Boars	2.000	0.800	0.200	0.3200		-
• •	Growers/Roasters	2.000	0.800	0.118	0.1888		-
	Weaners	2.000		0.055	0.0880		
	Other	2.000	0.000	0.000	0.0000		-
Poultry	Chicken - Breeders - Solid	1.000	0.700	0.010	0.0070		
Pouluy							-
	Chicken - Layers - Liquid (includes associated pullets)	2.000	1.100	0.008	0.0176		-
	Chicken - Layers - (Belt Cage)	2.000	0.700	0.008	0.0112	75,000	840
	Chicken - Layers - (Deep Pit)	0.000	0.700	0.008	0.0112		-
	Officken - Layers - (Deep Fit)	2.000				E2 000	7.4
	Chicken - Pullets/Broilers	1.000	0.700	0.002	0.0014	53,000	74
	Chicken - Pullets/Broilers		0.700		0.0014	53,000	- 74
	Chicken - Pullets/Broilers Turkey - Toms/Breeders	1.000 1.000	0.700 0.700	0.002 0.020	0.0140	53,000	
	Chicken - Pullets/Broilers Turkey - Toms/Breeders Turkey - Hens (light)	1.000 1.000 1.000	0.700 0.700 0.700	0.002 0.020 0.013	0.0140	100	-
	Chicken - Pullets/Broilers Turkey - Toms/Breeders Turkey - Hens (light) Turkey - Broilers	1.000 1.000 1.000 1.000	0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010	0.0140 0.0091 0.0070	100	- - 0
	Chicken - Pullets/Broilers Turkey - Toms/Breeders Turkey - Hens (light) Turkey - Broilers Ducks	1.000 1.000 1.000 1.000 1.000	0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.010	0.0140 0.0091 0.0070 0.0070		-
	Chicken - Pullets/Broilers Turkey - Toms/Breeders Turkey - Hens (light) Turkey - Broilers	1.000 1.000 1.000 1.000	0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010	0.0140 0.0091 0.0070	100	- - 0 4 -
Sheen and	Chicken - Pullets/Broilers Turkey - Toms/Breeders Turkey - Hens (light) Turkey - Broilers Ducks Geese Other	1.000 1.000 1.000 1.000 1.000 1.000	0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.010 0.020	0.0140 0.0091 0.0070 0.0070 0.0140	100	- - 0 4 -
	Chicken - Pullets/Broilers Turkey - Toms/Breeders Turkey - Hens (light) Turkey - Broilers Ducks Geese Diher Sheep - Ewes/Rams	1.000 1.000 1.000 1.000 1.000 1.000 0.600	0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.010 0.020 0.200	0.0140 0.0091 0.0070 0.0070 0.0140 0.0840	100	- - 0 4 -
	Chicken - Pullets/Broilers Turkey - Toms/Breeders Turkey - Hens (light) Turkey - Broilers Ducks Geese Other Sheep - Ewes/Rams Sheep - Ewes with lambs	1.000 1.000 1.000 1.000 1.000 1.000 0.600 0.600	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.010 0.020 0.200 0.250	0.0140 0.0091 0.0070 0.0140 0.0840 0.1050	100	- - 0 4 -
	Chicken - Pullets/Broilers Turkey - Hens (light) Turkey - Hens (light) Turkey - Broilers Ducks Geese Cheese Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs	1.000 1.000 1.000 1.000 1.000 1.000 0.600 0.600 0.600	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.020 0.200 0.250 0.050	0.0140 0.0091 0.0070 0.0140 0.0840 0.1050 0.0210	100	- - 4 - - - -
	Chicken - Pullets/Broilers Turkey - Hens (light) Turkey - Bens (light) Turkey - Broilers Ducks Geese Diter Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs Sheep - Feeders	1.000 1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.600	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.020 0.200 0.250 0.250 0.050 0.100	0.0140 0.0091 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420	100	- - 0 4 -
	Chicken - Pullets/Broilers Turkey - Toms/Breeders Turkey - Broilers Ducks Geese Other Sheep - Ewes/Rams Sheep - Lambs Sheep - Lambs Sheep - Feeders Goats - Meat/Milk (per Ewe)	1.000 1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.600 0.600	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.020 0.250 0.250 0.050 0.100 0.170	0.0140 0.0091 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833	100	- - 4 - - - -
	Chicken - Pullets/Broilers Turkey - Hens/Breeders Turkey - Hens (light) Turkey - Broilers Ducks Geese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Ch	1.000 1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.600	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.020 0.200 0.250 0.250 0.050 0.100	0.0140 0.0091 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420	100	- - - - - - - - - - - - - - -
	Chicken - Pullets/Broilers Turkey - Toms/Breeders Turkey - Broilers Ducks Geese Other Sheep - Ewes/Rams Sheep - Lambs Sheep - Lambs Sheep - Feeders Goats - Meat/Milk (per Ewe)	1.000 1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.600 0.600	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.020 0.250 0.250 0.050 0.100 0.170	0.0140 0.0091 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833	100	- - - - - - - - - - - - - - - - - - -
	Chicken - Pullets/Broilers Turkey - Hens/Breeders Turkey - Hens (light) Turkey - Broilers Ducks Geese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Cheese Ch	1.000 1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.600 0.600 0.700	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.020 0.200 0.250 0.050 0.100 0.170 0.140	0.0140 0.0091 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833 0.0686	100	- 
Goats	Chicken - Pullets/Broilers Turkey - Hens (light) Turkey - Hens (light) Turkey - Broilers Ducks Geese Diner Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs Sheep - Feeders Goats - Meat/Milk (per Ewe) Goats - Nannies/Billies Goats - Feeders Diner Goats - Feeders	1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.600 0.600 0.700 0.700 0.700	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.020 0.200 0.250 0.050 0.100 0.170 0.140	0.0140 0.0091 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833 0.0686 0.0377	100	- 
Goats	Chicken - Pullets/Broilers Turkey - Toms/Breeders Turkey - Hens (light) Turkey - Broilers Ducks Geese Chinar Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Ewes with lambs Sheep - Lambs Sheep - Feeders Goats - Mead/Milk (per Ewe) Goats - Feeders Chinar Elk	1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.600 0.700 0.700 0.700 0.700	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.020 0.250 0.050 0.100 0.170 0.140 0.077 0.600	0.0140 0.0091 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833 0.0686 0.0377	100	- 
Goats	Chicken - Pullets/Broilers Turkey - Hens (light) Turkey - Hens (light) Turkey - Broilers Ducks Geese Diner Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs Sheep - Feeders Goats - Meat/Milk (per Ewe) Goats - Nannies/Billies Goats - Feeders Diner Goats - Feeders	1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.600 0.600 0.700 0.700 0.700	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.020 0.200 0.250 0.050 0.100 0.170 0.140	0.0140 0.0091 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833 0.0686 0.0377	100	
Goats	Chicken - Pullets/Broilers Turkey - Hens (light) Turkey - Hens (light) Turkey - Broilers Ducks Geese Other Sheep - Ewes/Rams Sheep - Ewes/Rams Sheep - Feeders Goats - Meat/Milk (per Ewe) Goats - Feeders Char Elk Deer Char Char Char Char Char Char Char Cha	1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.700 0.700 0.700 0.700 0.700 0.600	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.013 0.010 0.020 0.200 0.250 0.050 0.100 0.170 0.140 0.077 0.6600 0.200	0.0140 0.0091 0.0070 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833 0.0686 0.0377 0.2520 0.0840	100	
Sheep and Goats Cervid Wild Boar	Chicken - Pullets/Broilers Turkey - Toms/Breeders Turkey - Hens (light) Turkey - Broilers Ducks Geese Chinar Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Ewes with lambs Sheep - Lambs Sheep - Feeders Goats - Mead/Milk (per Ewe) Goats - Feeders Chinar Elk	1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.600 0.700 0.700 0.700 0.700	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.002 0.020 0.013 0.010 0.020 0.250 0.050 0.100 0.170 0.140 0.077 0.600	0.0140 0.0091 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833 0.0686 0.0377	100	- 0 4 - - - -

# For New Operations Dispersion Factor

	1

Distance Odour Objective 41.04 54.72 68.4 109.44 
 Feet
 Metres

 2,506
 764

 3,341
 1,018

 4,176
 1,273

 6,681
 2,037
 Category 2 4

# For Expanding Operations Dispersion Factor Expansion Factor

4
0.77

		Distance	
Category	Odour Objective	Feet	Metres
1	41.04	1,929	588
2	54.72	2,572	784
3	68.40	3,215	980
4	109.44	5,145	1,568

Total

3,010.7

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Name	Prairiehome Hutterian Brethren
Address	
Legal Land	
Location	SW 3-7-15 W4

#### Landbase Requirements (hectares) based on 2006 AOPA requirements

0

Category of Livestock	Type of Livestock	Animals	Dark Brown & Brown (ha)	Grey Wooded (ha)	Black (ha)	lrrigated (ha)
Feedlot	Cows/Finishers (900+ lbs)	0.0	0.0	0.0	0.0	0
Animals	Feeders (450 - 900 lbs)	0.0	0.0	0.0	0.0	0
	Feeder Calves (<550 lbs)	0.0	0.0	0.0	0.0	0
	Horses - PMU	0.0	0.0	0.0	0.0	0
	Horses - Feeders > 750 lbs	0.0	0.0	0.0	0.0	0
	Horses - Foals < 750 lbs	0.0	0.0	0.0	0.0	0
	Mules	0.0	0.0	0.0	0.0	C
	Donkeys	0.0	0.0	0.0	0.0	C
	Bison	0.0	0.0	0.0	0.0	(
	Other	0.0				
Dairy *count	Free Stall – Lactating Cows with all associated dries, heifers, and calves*	120.0	178.2	148.4	111.4	89
actating cows only)	Free Stall – Lactating Cows with Dry Cows only *	0.0	0.0	0.0	0.0	(
.,	Free Stall – Lactating Cows only*	0.0	0.0	0.0	0.0	(
	Tie Stall – Lactating Cows only	0.0	0.0	0.0	0.0	(
	Loose Housing – Lactating Cows only	0.0	0.0	0.0	0.0	(
	Dry Cow (Solid manure)	0.0	0.0	0.0	0.0	(
	Dry Cow (Liquid manure)	0.0	0.0	0.0	0.0	(
	Replacements – Bred Heifers (Breeding to Calving)	0.0	0.0	0.0	0.0	(
	Replacements - Growing Heifers (350 lbs to breeding)	0.0	0.0	0.0	0.0	(
	Calves (< 350 lbs) Other	0.0	0.0	0.0	0.0	(
Swine	Farrow to finish *	480.0	320.8	267.4	200.5	160
.iquid	Farrow to wean *	0.0	0.0	0.0	0.0	(
*count	Farrow only *	0.0	0.0	0.0	0.0	(
ows only)	Feeders/Boars	0.0	0.0	0.0	0.0	(
	Growers/Roasters	0.0	0.0	0.0	0.0	(
	Weaners Other	0.0	0.0	0.0	0.0	(
Swine	Farrow to finish *	0.0	0.0	0.0	0.0	(
Solid	Farrow to wean *	0.0	0.0	0.0	0.0	(
*Count	Farrow only *	0.0	0.0	0.0	0.0	(
sows only)	Feeders/Boars	0.0	0.0	0.0	0.0	(
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Growers/Roasters	0.0	0.0	0.0	0.0	(
	Weaners	0.0	0.0	0.0	0.0	(
		0.0	0.0	0.0	0.0	
Poultry	Chicken - Breeders - Solid	0.0	0.0	0.0	0.0	(
ouny	Chicken - Layers - Liquid (includes associated pullets)	0.0	0.0	0.0	0.0	(
	Chicken - Layers - (Belt Cage)	75000.0	412.5	345.0	255.0	210
	Chicken - Layers - (Deep Pit)	0.0	0.0	0.0	0.0	(
	Chicken - Pullets/Broilers	53000.0	172.3	143.6	107.6	86
	Turkey - Toms/Breeders	0.0	0.0	0.0	0.0	(
	Turkey - Hens (light)	0.0	0.0	0.0	0.0	(
	Turkey - Broilers	100.0	0.5	0.4	0.3	(
	Ducks	700.0	1.1	0.9	0.7	(
	Geese	0.0	0.0	0.0	0.0	(
Goats and	Sheep - Ewes/Rams	0.0	0.0	0.0	0.0	(
Sheep	Sheep - Ewes with lambs	0.0	0.0	0.0	0.0	(
	Sheep - Lambs	0.0	0.0	0.0	0.0	(
	Sheep - Feeders	0.0	0.0	0.0	0.0	(
	Goats - Meat/Milk (per Ewe)	0.0	0.0	0.0	0.0	(
	Goats - Nannies/Billies	0.0	0.0	0.0	0.0	(
	Goats - Feeders Other	0.0	0.0	0.0	0.0	(
	Elk	0.0	0.0	0.0	0.0	
Convid						(
Cervid	Deer		0.0	0.0	0.0	(
Cervid	Deer	0.0		1		
	Other	0.0		0.0	0.0	
Cervid Vild Boar	Other Feeders	0.0	0.0	0.0	0.0	
	Other	0.0		0.0 0.0	0.0 0.0	(
Vild Boar	Other Feeders	0.0 0.0 0.0	0.0			



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

NRCB USE ONLY						
MINIMUM DISTAN	CE SEPARATIO	N				
Methods used to determin	e distance (if applical	ble): Google Ea	arth			
Margin of error (if applicat						
Requirements (m): Catego	ory 1:764	_ Category 2:_1	1,018	Category 3: 1,2	73	Category 4: 2,037
Technology factor:					YES 🔽	NO
Expansion factor:					YES 🛛	NO
MDS related concerns from	n directly affected pa	rties or referral ag	gencies:		YES 🗹	NO
			ICATIO	<b>M</b>		
LAND BASE FOR M				N		
Land base required:	2,682 acres (bro					
Land base listed:	2,880 acres (brow					
Area not suitable:	Already accounte	d for				
Available area	2,880 acres (brow	vn/dark brown)	Req	uirement met: 🛛	YES 🗆	NO
Land spreading agreemen	ts required:	YES 🔽 NO				
Manure management plan	: 🗆	YES 🗹 NO	If y	es, plan is attache	d: 🗆	
<b>DI ANC</b>						
PLANS						
Submitted and attached co	onstruction plans:	🗹 YES 🗆	] NO			
Submitted aerial photos:		🗹 YES 🗌	] NO			
Submitted photos:		🗆 yes 🔽	NO I			
GRANDFATHERING	1					
Already completed:		🗹 YES 🗌	] no 🗆 n,	/A		
If already completed, see	Approval LA18008	3				



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

#### SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities -Concrete liner

(complete a copy of this section for **EACH** barn, feedlot, and storage facility for solid manure, composting materials, or compost with a concrete liner)

Facility description / name (as indicated on site plan)

# 1. Layer Barn + Manure Storage 2. Pullet Barn + Manure Storage

Manure storage capacity

	Length (m)	Width (m)	Depth below grade to the bottom of the liner (m)	<b>NRCB USE ONLY</b> Estimated storage capacity (m <sup>3</sup> )
1.	(131 m) 430 ft	(36.6 m) <b>/20</b> ft	Manure Storage 40 x 35 ft	(12.2 m x 10.7 m)
2.	(99.1 m) .325 ft	(15.8 m) 5 2 ft		(12.2 m x 10.7 m)
			TOTAL CAPACITY	Sufficient capacity

I plan to use a short-term solid manure storage (STMS) as part of my manure storage and handling plan for this CFO. The AOPA requirements for STMS are set out in the NRCB <u>Short-Term Solid Manure Storage Requirements Fact Sheet</u>.

#### Surface water control systems

Describe the run-on and runoff control system

All under a roof.

#### Liner protection

Describe how the physical integrity of the liner will be maintained

Seal cracks as needed.

Requirements met: YES NO

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	NRCB USE ONLY	

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

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

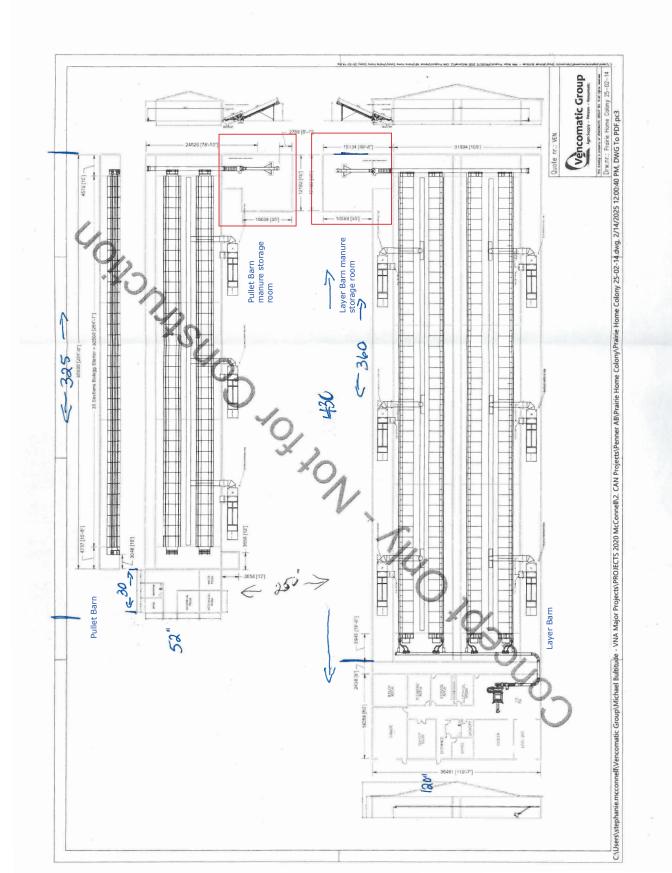
Concrete liner details					
Concrete thickness	Method of sulphate protection:				
8 inches	Type 50				
Concrete strength	Concrete reinforcement size and spacing				
min-25 MPA	2" with 16 inch on center.				
Concrete requirements can be found in Technical Guideline A Guideline minimums: Solid manure: 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)	Agdex 096-93 NRCB USE ONLY Requirements met: YES NO Condition required: YES NO Report attached: YES NO				
NRCB USE ONLY					
Nine month manure storage volume requirements met VES SWith STMS NO					
Depth to water table:					
Depth to Uppermost groundwater resource: 182 m below grade Requirements met: VES INO					
ERST completed: See ERST page for details					
Surface water control systems Requirements met: VES NO Details/comments:					
Concrete liner details					
A condition is included in this permit requiring the applicant to provide proof that the concrete will meet the specifications for category D (solid manure - dry) as outlined in Technical Guideline Agdex 096-93 "Non-Engineered Concrete Liners for Manure Collection and Storage Areas".					
Leakage detection system required: 🛛 YES 🗹 NO If ye	es, please explain why.				
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Application under the Agricultural Operation Practices Act for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

NRCB USE ONLY					
ALL SIGNATURES	IN FILE	YES NO			
DATES OF APPROVAL OFFICER SITE VISITS					
February 20, 202	25				
CORRESPONDENCI	E WITH MUNICIPAL				
Date deeming letters sent		ITTES AND REFER	KAL AGENCIES	•	
Municipality: <u>County</u>					
☑ letter sent	☑ response received	🗹 written/email	🗌 verbal	no comments received	
Alberta Health Service	es: ☑ N/A				
letter sent	□ response received	uritten/email	🗌 verbal	$\Box$ no comments received	
Alberta Environment and Parks:					
letter sent	☑ response received	🛛 written/email	verbal	no comments received	
Alberta Transportation	: 🗆 N/A				
🛛 letter sent	☑ response received	🖌 written/email	verbal	no comments received	
Alberta Regulatory Services:					
letter sent	response received	written/email	🗌 verbal	no comments received	
Other: Triple W Natural Gas Co-op Ltd N/A					
	☑ response received Water Association, Sou hc., Capstone Infrastruct			no comments received	
☑ letter sent	☐ response received	uritten/email	U verbal	no comments received	