

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 LA25015	Legal land description NW & S½ 3-7-15 W4M
<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Registration <input type="checkbox"/> Authorization <input type="checkbox"/> 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

[Redacted Signature]
Sig

Prairiehome Colony Farming
Corporate name (if applicable)

Jacob E Weldner
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)	Dimensions (m) (length, width, and depth)
Layer Barn	(131 m x 36.6 m)	430 x 120 ft
Layer 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

Existing facilities: list ALL existing confined feeding operation facilities and their dimensions

Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
Dry Sow	91.4m x 20.1m	
Swine Loadout	39.6m x 11.6m	
Gilt Development Barn	13.7m x 11.0m	

NRCB USE ONLY

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

Will stay in Production as long as possible.

Construction completion date for proposed facilities Within 2-3 construction Years

Additional information Oct 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 (Available 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
Layer Pullets New		30,000	30,000
Broilers		3,000	3,000
Ducks & Turkeys	700/100	0	700/100 800
Swine farrow to finish	480	0	480
Dairy Cows dries & replacements	120	0	120
Layers old barn	25,000	0	25,000
Layer Pullets old barn	20,000	0	20,000

S1/2 3-07-15 W4

NW 3-07-15 W4

N

Pullet Barn
230
Layer Barn

Solid Manure Storage

His & Her's

Swine Loadout

Swine Finisher Barn

Farrowing Barn

Dry Sow & Gilt
Development Barn

Existing Layer Barn

Existing Pullet Barn

Water Well ID#
288116

Duck/Broiler

Prairie home farms

Slurry #1

Slurry #2

Swine Quarantine

Dairy Dry Pens

Dairy

Catch Basin

Range Rd 153

PH Oilmills

Google Earth

Image © 2025 Airbus

500 m



NW & S1/2 3-07-15 W4

EMS



Google Earth

Image © 2025 Airbus

Prairie home farms

PH Oil mills



Application A25015 Page 5 of 20
Red Coat Trail

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DECLARATION AND ACKNOWLEDGMENT OF APPLICANT CONCERNING WATER ACT LICENCE

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

Date and sign one of the following four options

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

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

Signed this ____ day of _____, 20____.

Signature of Applicant or Agent

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

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

Signed this ____ 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 20 day of Feb., 2025.

Signature of Applicant or Agent

PHFarming Minister 1

From: Marlin Kennedy [REDACTED]
Sent: Wednesday, January 17, 2024 3:00 PM
To: [REDACTED]
Subject: New Reservoir at Section 4-007-15 W4
Attachments: 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 igpm...and this water trickled 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.

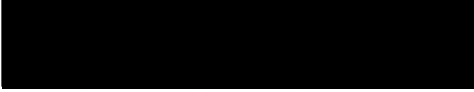
Thanks again for your time today Jake.

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) - <https://www.alberta.ca/digital-regulatory-assurance-system.aspx>

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 2B0

Feb.20, 2024

Prairiehome Colony

Alberta Environment, To whom it may concern;

Re. water shares with the Skiff water coop.

Prairiehome colony has 25 ^{- 19pm -} (one imp. gal. shares) of water with the Skiff Water Coop, on SW ¼ 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





S
S E A Water Co-op Ltd
A

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

February 20, 2024

Prairie Home Hutterian Brethren
Box 147
Wrentham, AB
TOK 2P0

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 [REDACTED] or by email at [REDACTED]

Sincerely,

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



RIDGE RESERVOIR WATER ASSOCIATION

Box 143

Wrentham, AB T0K 2P0

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 [REDACTED] or contact Heather at [REDACTED]

Regards;

Jim Nilsson
Ridge Reservoir Water Association

JN:hn

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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: Layer Barn

Proposed 1: New Layer Barn.

Proposed 2: New Pullet Barn

Proposed 3: _____

Facility and environmental risk information		Facilities				NRCB USE ONLY	
		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?	<input checked="" type="checkbox"/> > 1 m <input type="checkbox"/> ≤ 1 m	<input checked="" type="checkbox"/> > 1 m <input type="checkbox"/> ≤ 1 m	<input checked="" type="checkbox"/> > 1 m <input type="checkbox"/> ≤ 1 m	<input checked="" type="checkbox"/> > 1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
	Surface water information						
	How many springs are within 100 m of the manure storage facility or manure collection area?	0	0	0	0	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
	How many water wells are within 100 m of the manure storage facility or manure collection area?	1	0	0	0	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	1.5 miles	1.5 miles	1.5 miles	1.5 miles	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
Groundwater information	What is the depth to the water table?		10 m	10 m	10 m	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
	What is the depth to the groundwater resource/aquifer you draw water from?	182 m	182 m	182 m	182 m	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	

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



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 288116
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1997/05/01

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.

GOWN ID

Well Identification and Location										Measurement in Imperial		
Owner Name PRAIRIE HOME		Address P.O. BOX 240 WARNER			Town		Province		Country		Postal Code	
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description			
	SW	3	7	15	4							
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)							
_____ ft from _____					Latitude <u>49.527643</u> Longitude <u>-111.963240</u>					Elevation _____ ft		
_____ ft from _____					How Location Obtained					How Elevation Obtained		
					Not Verified					Not Obtained		

Drilling Information	
Method of Drilling Rotary	Type of Work New Well
Proposed Well Use Domestic	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
140.00		Till & Clay	
160.00		Siltstone	
180.00		Siltstone & Sandstone	
660.00		Shale	
820.00		Milk River Shale	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate <u>7.00 igpm</u>			
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1996/04/30	7.00	100.00	

Well Completion				Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
820.00 ft		1996/04/04	1996/04/30	
Borehole				
Diameter (in)	From (ft)	To (ft)		
0.00	0.00	820.00		
Surface Casing (if applicable)		Well Casing/Liner		
Steel		Plastic		
Size OD : <u>8.62 in</u>		Size OD : <u>5.56 in</u>		
Wall Thickness : <u>0.188 in</u>		Wall Thickness : <u>0.500 in</u>		
Bottom at : <u>160.00 ft</u>		Top at : <u>0.00 ft</u>		
		Bottom at : <u>820.00 ft</u>		
Perforations				
From (ft)	To (ft)	Diameter or Slot Width(in)	Slot Length (in)	Hole or Slot Interval(in)
660.00	820.00	0.025		1.00
Perforated by Machine				
Annular Seal Cement/Grout				
Placed from <u>0.00 ft</u> to <u>660.00 ft</u>				
Amount _____				
Other Seals				
Type		At (ft)		
Screen Type				
Size OD : <u>0.00 in</u>				
From (ft)	To (ft)	Slot Size (in)		
Attachment _____				
Top Fittings _____		Bottom Fittings _____		
Pack				
Type _____		Grain Size _____		
Amount _____				

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



Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 288116
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1997/05/01

GOWN ID

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.

Well Identification and Location										Measurement in Imperial	
Owner Name PRAIRIE HOME		Address P.O. BOX 240 WARNER			Town		Province		Country		Postal Code
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	SW	3	7	15	4						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
_____ ft from _____					Latitude <u>49.527643</u>		Longitude <u>-111.963240</u>			Elevation _____ ft	
_____ ft from _____					How Location Obtained					How Elevation Obtained	
					Not Verified					Not Obtained	

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level _____ in											
Is Artesian Flow _____					Is Flow Control Installed _____						
Rate _____ igpm					Describe _____						
Recommended Pump Rate _____ 7.00 igpm					Pump Installed _____		Depth _____ ft				
Recommended Pump Intake Depth (From TOC) _____ 600.00 ft					Type _____		Make _____		H.P. _____		
Model (Output Rating) _____											
Did you Encounter Saline Water (>4000 ppm TDS) _____					Depth _____ ft		Well Disinfected Upon Completion _____				
Remedial Action Taker _____					Gas _____		Depth _____ ft		Geophysical Log Taken _____		
Submitted to ESRD _____											
Additional Comments on Well _____					Sample Collected for Potability _____					Submitted to ESRD _____	
DRILLER REPORTS DISTANCE FROM TOP OF CASING TO GROUND LEVEL: .3 M. STATIC WATER LEVEL: ENTERED AS PER DRILLER.											

Yield Test			Taken From Ground Level	Measurement in Imperial	
Test Date	Start Time	Static Water Level	Depth to water level		
1996/04/30	12:00 AM	100.00 ft			
Method of Water Removal					
Type <u>Pump</u>					
Removal Rate <u>7.00 igpm</u>					
Depth Withdrawn From <u>580.00 ft</u>					
If water removal period was < 2 hours, explain why _____					
			Pumping (ft)	Elapsed Time	
				Minutes:Sec	
				Recovery (ft)	
			16.40	0:00	90.26
			18.37	1:00	
			31.50	2:00	65.94
			43.64	3:00	55.45
			50.85	4:00	46.88
			58.56	5:00	38.88
			64.24	6:00	32.15
			69.72	7:00	26.90
			73.82	8:00	22.97
			77.56	9:00	19.19
			80.71	10:00	15.94
			86.09	12:00	11.06
			88.91	14:00	6.46
				20:00	2.85

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

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

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

Neighbour name(s)	Legal land description	Distance (m)	NRCB USE ONLY				
			Zoning (LUB) category	MDS category (1-4)	Distance (m)	Waiver attached (if required)	Meets regulations
Richard RoseMary Owens	SE 16-7-15-W4	2439					
Francis Smith	NE 11-7-15 W4	2439					
Kim Owen	SW 13-7-15 W4	2896					

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

Name of land owner(s)*	Legal land description	Usable area** (ha)	Soil zone ***	NRCB USE ONLY	
				Usable area (ha)	Agreement attached (if required)
Prairie Home Colony	SE 1/2 3-7-15 W4	480	Dry		
	N 1/2 2-7-15 W4	320			
	N 1/2 4-7-15 W4	320			
	S 1/2 9-7-15 W4	320			
	All of 8-7-15 W4	640			
	All of 10-7-15 W4	640			
	SW 11-7-15 W4	160			
			Total		

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

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

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

Additional information (attach any additional information as required)

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

MDS Spreadsheet based on 2006 AOPA Regulations

Category of Livestock	Type of Livestock	Factor A	Technology Factor	MU	LSU Factor	Number of Animals	LSU
Feedlot Animals	Beef Cows/Finishers (900+ lbs)	0.700	0.700	0.910	0.4459		-
	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	0.700	1.000	0.4550		-
	Horses - Foals < 750 lbs	0.650	0.700	0.300	0.1365		-
	Mules	0.600	0.700	1.000	0.4200		-
	Donkeys	0.600	0.700	0.670	0.2814		-
	Bison	0.600	0.700	1.000	0.4200		-
	Other						-
Dairy (*count lactating cows only)	Free Stall – Lactating Cows with all associated dries, heifers, and calves*	0.800	1.100	2.000	1.7600	120	211.2
	Free Stall – Lactating Cows with Dry Cows only*	0.800	1.100	1.640	1.4432		-
	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	0.800	1.000	1.400	1.1200		-
	Dry Cow	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 Liquid (*count sows only)	Farrow to finish *	2.000	1.100	1.780	3.9160	480	1,879.7
	Farrow to wean *	2.000	1.100	0.670	1.4740		-
	Farrow only *	2.000	1.100	0.530	1.1660		-
	Feeders/Boars	2.000	1.100	0.200	0.4400		-
	Growers/Roasters	2.000	1.100	0.118	0.2600		-
	Weaners	2.000	1.100	0.055	0.1210		-
		Other					
Swine Solid (*Count sows only)	Farrow to finish *	2.000	0.800	1.780	2.8480		-
	Farrow to wean *	2.000	0.800	0.670	1.0720		-
	Farrow only *	2.000	0.800	0.530	0.8480		-
	Feeders/Boars	2.000	0.800	0.200	0.3200		-
	Growers/Roasters	2.000	0.800	0.118	0.1888		-
	Weaners	2.000	0.800	0.055	0.0880		-
		Other					
Poultry	Chicken - Breeders - Solid	1.000	0.700	0.010	0.0070		-
	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	840.0
	Chicken - Layers - (Deep Pit)	2.000	0.700	0.008	0.0112		-
	Chicken - Pullets/Broilers	1.000	0.700	0.002	0.0014	53,000	74.2
	Turkey - Toms/Breeders	1.000	0.700	0.020	0.0140		-
	Turkey - Hens (light)	1.000	0.700	0.013	0.0091		-
	Turkey - Broilers	1.000	0.700	0.010	0.0070	100	0.7
	Ducks	1.000	0.700	0.010	0.0070	700	4.9
	Geese	1.000	0.700	0.020	0.0140		-
	Other						-
Sheep and Goats	Sheep - Ewes/Rams	0.600	0.700	0.200	0.0840		-
	Sheep - Ewes with lambs	0.600	0.700	0.250	0.1050		-
	Sheep - Lambs	0.600	0.700	0.050	0.0210		-
	Sheep - Feeders	0.600	0.700	0.100	0.0420		-
	Goats - Meat/Milk (per Ewe)	0.700	0.700	0.170	0.0833		-
	Goats - Nannies/Billies	0.700	0.700	0.140	0.0686		-
	Goats - Feeders	0.700	0.700	0.077	0.0377		-
		Other					
Cervid	Elk	0.600	0.700	0.600	0.2520		-
	Deer	0.600	0.700	0.200	0.0840		-
		Other					
Wild Boar	Feeders	2.000	0.800	0.140	0.2240		-
	Sow (farrowing)	2.000	0.800	0.371	0.5936		-
		Other					

Total 3,010.7

For New Operations

Dispersion Factor **1**

Category	Odour Objective	Distance	
		Feet	Metres
1	41.04	2,506	764
2	54.72	3,341	1,018
3	68.4	4,176	1,273
4	109.44	6,681	2,037

For Expanding Operations

Dispersion Factor **1**
 Expansion Factor **0.77**

Category	Odour Objective	Distance	
		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

Name Prairiehome Hutterian Brethren
 Address 0
 Legal Land
 Location SW 3-7-15 W4

Landbase Requirements (hectares) based on 2006 AOPA requirements

Category of Livestock	Type of Livestock	Number of Animals	Dark Brown & Brown (ha)	Grey Wooded (ha)	Black (ha)	Irrigated (ha)
Feedlot Animals	Cows/Finishers (900+ lbs)	0.0	0.0	0.0	0.0	0.0
	Feeders (450 - 900 lbs)	0.0	0.0	0.0	0.0	0.0
	Feeder Calves (<550 lbs)	0.0	0.0	0.0	0.0	0.0
	Horses - PMU	0.0	0.0	0.0	0.0	0.0
	Horses - Feeders > 750 lbs	0.0	0.0	0.0	0.0	0.0
	Horses - Foals < 750 lbs	0.0	0.0	0.0	0.0	0.0
	Mules	0.0	0.0	0.0	0.0	0.0
	Donkeys	0.0	0.0	0.0	0.0	0.0
	Bison	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
Dairy (*count lactating cows only)	Free Stall – Lactating Cows with all associated dries, heifers, and calves*	120.0	178.2	148.4	111.4	89.0
	Free Stall – Lactating Cows with Dry Cows only *	0.0	0.0	0.0	0.0	0.0
	Free Stall – Lactating Cows only*	0.0	0.0	0.0	0.0	0.0
	Tie Stall – Lactating Cows only	0.0	0.0	0.0	0.0	0.0
	Loose Housing – Lactating Cows only	0.0	0.0	0.0	0.0	0.0
	Dry Cow (Solid manure)	0.0	0.0	0.0	0.0	0.0
	Dry Cow (Liquid manure)	0.0	0.0	0.0	0.0	0.0
	Replacements – Bred Heifers (Breeding to Calving)	0.0	0.0	0.0	0.0	0.0
	Replacements - Growing Heifers (350 lbs to breeding)	0.0	0.0	0.0	0.0	0.0
	Calves (< 350 lbs)	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
Swine Liquid (*count sows only)	Farrow to finish *	480.0	320.8	267.4	200.5	160.4
	Farrow to wean *	0.0	0.0	0.0	0.0	0.0
	Farrow only *	0.0	0.0	0.0	0.0	0.0
	Feeders/Boars	0.0	0.0	0.0	0.0	0.0
	Growers/Roasters	0.0	0.0	0.0	0.0	0.0
	Weaners	0.0	0.0	0.0	0.0	0.0
		Other	0.0			
Swine Solid (*Count sows only)	Farrow to finish *	0.0	0.0	0.0	0.0	0.0
	Farrow to wean *	0.0	0.0	0.0	0.0	0.0
	Farrow only *	0.0	0.0	0.0	0.0	0.0
	Feeders/Boars	0.0	0.0	0.0	0.0	0.0
	Growers/Roasters	0.0	0.0	0.0	0.0	0.0
	Weaners	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
Poultry	Chicken - Breeders - Solid	0.0	0.0	0.0	0.0	0.0
	Chicken - Layers - Liquid (includes associated pullets)	0.0	0.0	0.0	0.0	0.0
	Chicken - Layers - (Belt Cage)	75000.0	412.5	345.0	255.0	210.0
	Chicken - Layers - (Deep Pit)	0.0	0.0	0.0	0.0	0.0
	Chicken - Pullets/Broilers	53000.0	172.3	143.6	107.6	86.4
	Turkey - Toms/Breeders	0.0	0.0	0.0	0.0	0.0
	Turkey - Hens (light)	0.0	0.0	0.0	0.0	0.0
	Turkey - Broilers	100.0	0.5	0.4	0.3	0.3
	Ducks	700.0	1.1	0.9	0.7	0.6
	Geese	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
Goats and Sheep	Sheep - Ewes/Rams	0.0	0.0	0.0	0.0	0.0
	Sheep - Ewes with lambs	0.0	0.0	0.0	0.0	0.0
	Sheep - Lambs	0.0	0.0	0.0	0.0	0.0
	Sheep - Feeders	0.0	0.0	0.0	0.0	0.0
	Goats - Meat/Milk (per Ewe)	0.0	0.0	0.0	0.0	0.0
	Goats - Nannies/Billies	0.0	0.0	0.0	0.0	0.0
	Goats - Feeders	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
Cervid	Elk	0.0	0.0	0.0	0.0	0.0
	Deer	0.0	0.0	0.0	0.0	0.0
		Other	0.0			
Wild Boar	Feeders	0.0	0.0	0.0	0.0	0.0
	Sow (farrowing)	0.0	0.0	0.0	0.0	0.0
		Other	0.0			

Total Hectares	1,085	905.8	675.5	546.7
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Total Acres	2,682	2238.2	1669.2	1350.8
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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)

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)	NRCB USE ONLY Estimated storage capacity (m ³)
1.	(131 m) 430 ft	(36.6 m) 120 ft	Manure Storage 40 x 35 ft	(12.2 m x 10.7 m)
2.	(99.1 m) 325 ft	(15.8 m) 52 ft	Manure Storage 40-35 ft	(12.2 m x 10.7 m)
TOTAL 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 [Short-Term Solid Manure Storage Requirements Fact Sheet](#).

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.

NRCB USE ONLY

Requirements met: YES NO

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)

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

Concrete liner details

Concrete thickness 8 inches	Method of sulphate protection: Type 50
Concrete strength min-25 MPA	Concrete reinforcement size and spacing 1/2" with 16 inch on center.

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

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

NRCB USE ONLY

Requirements met: YES NO
 Condition required: YES NO
 Report attached: YES NO

Additional information *(attach as required)*

NRCB USE ONLY

Nine month manure storage volume requirements met YES YES With STMS NO

Depth to water table: _____ Requirements met: YES NO

Depth to Uppermost groundwater resource: _____ Requirements met: YES NO

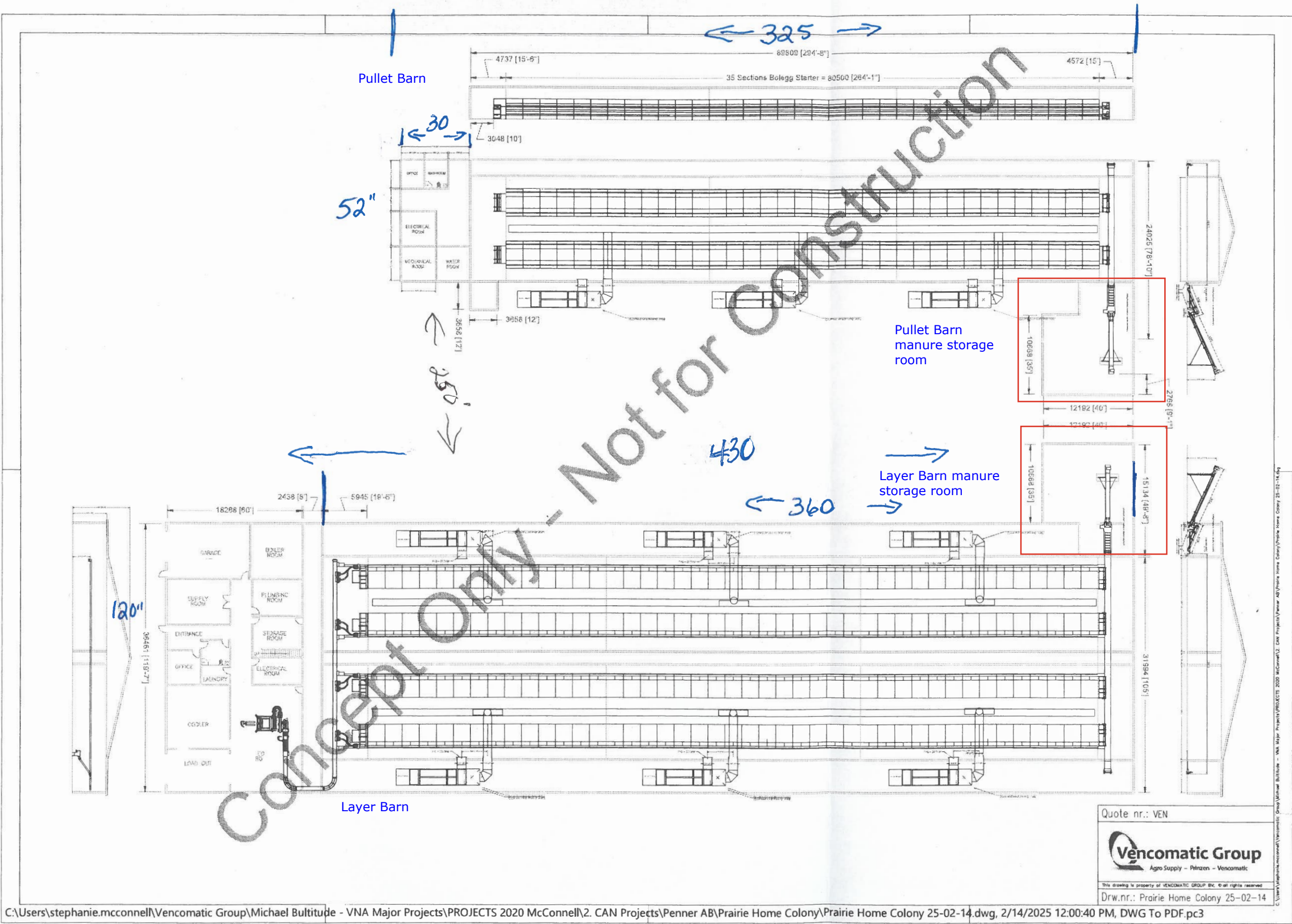
ERST completed: see ERST page for details

Surface water control systems

Requirements met: YES NO Details/comments:

Concrete liner details

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



Concept Only - Not for Construction

Quote nr.: VEN

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Drw.nr.: Prairie Home Colony 25-02-14