

# Technical Document LA24019



## 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)

<b>NRCB USE ONLY</b>	Application number	Legal land description
<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Registration <input type="checkbox"/> Authorization <input type="checkbox"/> Amendment	<span style="font-size: 1.5em; color: blue;">LA24019</span>	<span style="font-size: 1.5em; color: blue;">E½ 27-7-15 W4M</span>

### 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.

23-April 2024  
Date of signing

Signature

Evergreen Colony Farming Co. Ltd.  
Corporate name (if applicable)

Ben Hofer  
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)
<u>New Layer Barn (with attached solid manure storage room)</u>	<u>550' x <del>415'</del> 144'</u> (167.7 m x 43.9 m)

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

Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
	<u>See attached</u>	

**NRCB USE ONLY**

AO Comment: CFO is currently permitted under Approval LA16008.

Existing Facilities

Poultry Layer Barn – 107 m x 18 m (To be converted into a pullet barn)

Hog Barn – 122 m x 49 m

Poultry Multi-barn – 37 m x 12 m

Solid Earthen Manure Storage – 13 m x 18 m

Liquid Earthen Manure Storage – 99 m x 99 m x 2.7 m

~~Pullet Barn – 15.4 m x 109.7 m~~

Broiler Barn 1 20m x 168m.

AO Comment: Approval LA16008 permitted the construction of a Pullet Barn and Broiler Barn 2. The construction completion deadline has passed for these facilities and Evergreen Colony has no intention of constructing them. Therefore, when consolidating Approval LA16008 with this Approval LA24019, these facilities will be amended out and chicken broiler numbers will be reduced from 110,000 down to 60,000. In addition, Approval LA04013A permitted the construction of a dairy barn to house a total of 150 milking cows plus associated dries and replacements. Approval LA16008 amended out this barn but did not adjust the animal numbers accordingly. Therefore, Evergreen Colony has proposed to reduce the milking cows plus associated dries and replacements from 150 down to 5.



600 m



Layer (To be converted into a pullet barn)

New Layer

(Poultry multi-barn)

Macdonald Barn

Broiler Barn

(Permitted under Approval LA16008)

Hog Barn

Shop

Water Jugout

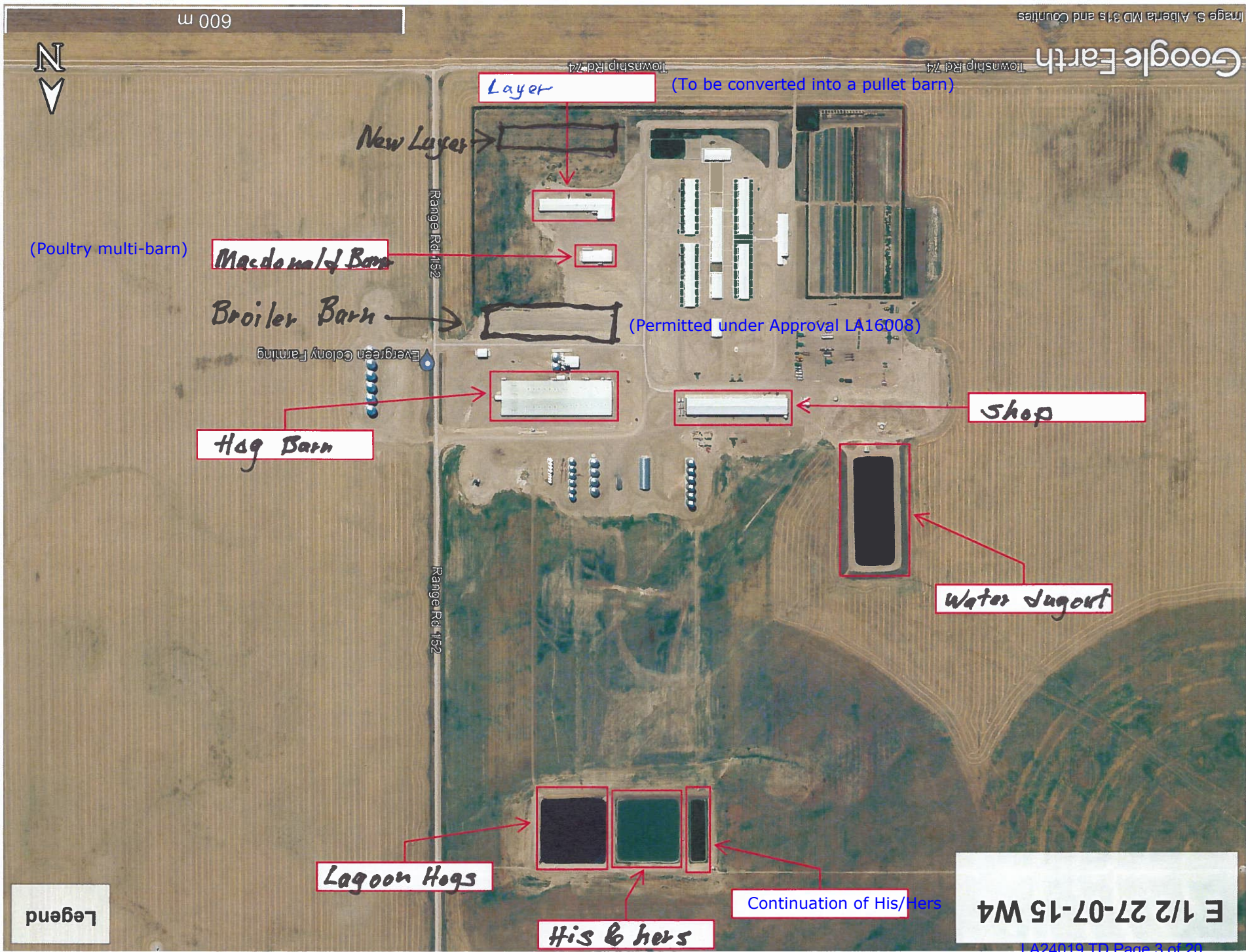
Lagoon Hogs

His & hers

Continuation of His/Hers

E 1/2 27-07-15 W4

Legend



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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

Old Layer barn converted to new Pullet barn.

Construction completion date for proposed facilities End of 2026. (December 31, 2026)

**Additional information**

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

Livestock category and type (Available in the Schedule 2 of the Part 2 Matters Regulation)	Permitted number	Proposed increase or decrease in number (if applicable)	Total
Broilers	110,000	0	<del>110,000</del> 60,000
Layers	30,000	30,000	60,000
Pullets	30,000	30,000	60,000
Sows farrow to finish	600	0	600
Ducks	500	0	500
Geese	500	0	500
Turkeys	500	0	500
Dairy Cows	150	-145	5



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### DECLARATION AND ACKNOWLEDGMENT OF APPLICANT CONCERNING WATER ACT LICENCE

issued by Alberta Environment and Parks (AEP) for a confined feeding operation (CFO)

*Date and sign one of the following four options*

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#### **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*

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#### **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 AEP 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 AEP'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 AEP 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 AEP'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.

Signed this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
*Signature of Applicant or Agent*

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#### **OPTION 3: Additional water licence not required**

1. I (we) declare that the CFO will not need a new licence from AEP under the *Water Act* for the development or activity proposed in this AOPA application.

Signed this 23 day of April, 2023

\_\_\_\_\_  
*Signature of Applicant or Agent*

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

1. At this time, I (we) do not know whether a new water licence is needed from AEP 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 AEP'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 AEP 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 AEP'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.

Signed this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
*Signature of Applicant or Agent*

**AO Comment:** Applicant has a water conveyance agreement with St. Mary River Irrigation District. Letter on file.

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**NRCB USE ONLY**

**WATER WELL AND SURFACE WATER INFORMATION**

Well IDs:       No water wells on site      

      Well ID#197499 (only used for determining UGR, not located on site)      

Surface water related concerns from directly affected parties or referral agencies:  YES  NO

Groundwater related concerns from directly affected parties or referral agencies:  YES  NO

**Water wells**  N/A

If applicable, exemption for 100 m distance requirements applied:  YES  NO      Condition required:  YES  NO

**Surface water**  N/A

If applicable, exemption for 30 m distance requirements applied:  YES  NO      Condition required:  YES  NO

**Water Well Exemption Screening Tool**  N/A

Water Well ID	Preliminary Screening Score	Secondary Screening Score	Facility

**Groundwater or surface water related comments:**



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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: Existing Layer Barn Proposed 1: New Layer Barn

Proposed 2: \_\_\_\_\_ 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 type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> > 1 m <input type="checkbox"/> ≤ 1 m	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	Confirmed with site visit
	Surface water information	How many springs are within 100 m of the manure storage facility or manure collection area?	0	0			<input checked="" 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?	0	0			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	No water wells on site
	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	7KM	7KM			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	>1km to intermittent creek
Groundwater information	What is the depth to the water table?		<25'			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	3.6 m from drilling reports provided in LA04013
	What is the depth to the groundwater resource/aquifer you draw water from?	<25'	<25'			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	36 m to UGR in Well ID# 197499

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

AO Comment: Applicant indicated in conversation that the depth to the water table and uppermost groundwater resource is greater than 25 feet (>25'). Well ID# 197499 is located on NW 28-7-15 W4 and was used solely for the purpose of determining the uppermost groundwater resource. This well is more than 2 km West of the CFO.



# Water Well Drilling Report

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

GIC Well ID 197499  
 GoA Well Tag No.  
 Drilling Company Well ID  
 Date Report Received 1972/02/01

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 Metric	
<b>Owner Name</b> RETI, JERRY E.		<b>Address</b> P.O. BOX 203 TABER			<b>Town</b>		<b>Province</b>		<b>Country</b>		<b>Postal Code</b>
<b>Location</b>	<i>1/4 or LSD</i>	<i>SEC</i>	<i>TWP</i>	<i>RGE</i>	<i>W of MER</i>	<i>Lot</i>	<i>Block</i>	<i>Plan</i>	<i>Additional Description</i>		
<b>Measured from Boundary of</b>		_____ m from _____		_____ m from _____		<b>GPS Coordinates in Decimal Degrees (NAD 83)</b>			Latitude <u>49.591267</u> Longitude <u>-111.988616</u> Elevation <u>905.26</u> m		
						<i>How Location Obtained</i>			<i>How Elevation Obtained</i>		
						Not Verified			Estimated		

Drilling Information	
<b>Method of Drilling</b> Rotary	<b>Type of Work</b> New Well
<b>Proposed Well Use</b> Domestic & Stock	

Formation Log			Measurement in Metric
Depth from ground level (m)	Water Bearing	Lithology Description	
6.10		Clay & Sand	
12.19		Gravel	
36.58		Clay	
298.70		Interbedded Shale & Sandstone	

Yield Test Summary			Measurement in Metric
<i>Recommended Pump Rate</i> <u>0.00</u> L/min			
Test Date	Water Removal Rate (L/min)	Static Water Level (m)	
1972/01/28	90.92	22.86	

Well Completion				Measurement in Metric
<i>Total Depth Drilled</i>	<i>Finished Well Depth</i>	<i>Start Date</i>	<i>End Date</i>	
298.70 m			1972/01/28	
<b>Borehole</b>				
<i>Diameter (cm)</i>	<i>From (m)</i>	<i>To (m)</i>		
0.00	0.00	298.70		
<b>Surface Casing (if applicable)</b>		<b>Well Casing/Liner</b>		
Unknown				
<i>Size OD :</i> <u>0.00</u> cm		<i>Size OD :</i> <u>0.00</u> cm		
<i>Wall Thickness :</i> <u>0.000</u> cm		<i>Wall Thickness :</i> <u>0.000</u> cm		
<i>Bottom at :</i> <u>298.70</u> m		<i>Top at :</i> <u>0.00</u> m		
		<i>Bottom at :</i> <u>0.00</u> m		
<b>Perforations</b>				
From (m)	To (m)	Diameter or Slot Width (cm)	Slot Length (cm)	Hole or Slot Interval(cm)
<i>Perforated by</i>				
<b>Annular Seal</b>				
<i>Placed from</i> <u>0.00</u> m <i>to</i> <u>0.00</u> m				
<i>Amount</i> _____				
<b>Other Seals</b>				
<i>Type</i>			<i>At (m)</i>	
<b>Screen Type</b>				
<i>Size OD :</i> <u>0.00</u> cm				
<i>From (m)</i>	<i>To (m)</i>	<i>Slot Size (cm)</i>		
<i>Attachment</i> _____				
<i>Top Fittings</i> _____		<i>Bottom Fittings</i> _____		
<b>Pack</b>				
<i>Type</i> _____		<i>Grain Size</i> _____		
<i>Amount</i> _____				

Contractor Certification	
<i>Name of Journeyman responsible for drilling/construction of well</i> UNKNOWN NA DRILLER	<i>Certification No</i> 1
<i>Company Name</i> SOUTHERN ALTA	<i>Copy of Well report provided to owner</i> <i>Date approval holder signed</i>





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GIC Well ID 197499  
GoA Well Tag No.  
Drilling Company Well ID  
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Well Identification and Location										Measurement in Metric	
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<b>Location</b>	<i>1/4 or LSD</i>	<i>SEC</i>	<i>TWP</i>	<i>RGE</i>	<i>W of MER</i>	<i>Lot</i>	<i>Block</i>	<i>Plan</i>	<i>Additional Description</i>		
	12	28	7	15	4						
<b>Measured from Boundary of</b>				<b>GPS Coordinates in Decimal Degrees (NAD 83)</b>							
_____ m from				Latitude <u>49.591267</u> Longitude <u>-111.988616</u>				Elevation <u>905.26 m</u>			
_____ m from				How Location Obtained				How Elevation Obtained			
				Not Verified				Estimated			

Additional Information										Measurement in Metric	
<i>Distance From Top of Casing to Ground Level</i> _____ <b>cm</b>											
<i>Is Artesian Flow</i> _____					<i>Is Flow Control Installed</i> _____						
<i>Rate</i> _____ <b>L/min</b>					<i>Describe</i> _____						
<i>Recommended Pump Rate</i> _____ <b>0.00 L/min</b>					<i>Pump Installed</i> <b>Yes</b>		<i>Depth</i> _____ <b>m</b>				
<i>Recommended Pump Intake Depth (From TOC)</i> _____ <b>0.00 m</b>					<i>Type</i> <b>SUBMERSIBLE</b>		<i>Make</i> <b>JACUZZI</b>		<i>H.P.</i> <b>1</b>		
										<i>Model (Output Rating)</i> _____	
<i>Did you Encounter Saline Water (&gt;4000 ppm TDS)</i> _____					<i>Depth</i> _____ <b>m</b>		<i>Well Disinfected Upon Completion</i> _____				
<i>Remedial Action Taker</i> _____					<i>Gas</i> _____		<i>Depth</i> _____ <b>m</b>		<i>Geophysical Log Taken</i> _____		
										<i>Submitted to ESRD</i> _____	
										<i>Sample Collected for Potability</i> _____	
										<i>Submitted to ESRD</i> <b>Yes</b>	
<i>Additional Comments on Well</i> <b>DRILLER REPORTS SOFT WATER</b>											

Yield Test			Taken From Ground Level	Measurement in Metric
			<i>Depth to water level</i>	
<i>Test Date</i> 1972/01/28	<i>Start Time</i> 12:00 AM	<i>Static Water Level</i> 22.86 m		
			<b>Pumping (m)</b>	<b>Elapsed Time Minutes:Sec</b>
				<b>Recovery (m)</b>
<b>Method of Water Removal</b>				
<i>Type</i> <b>Unknown</b>				
<i>Removal Rate</i> _____ <b>90.92 L/min</b>				
<i>Depth Withdrawn From</i> _____ <b>0.00 m</b>				
<i>If water removal period was &lt; 2 hours, explain why</i>				

Water Diverted for Drilling		
<i>Water Source</i>	<i>Amount Taken</i>	<i>Diversion Date &amp; Time</i>
	L	

Contractor Certification	
<i>Name of Journeyman responsible for drilling/construction of well</i> <b>UNKNOWN NA DRILLER</b>	<i>Certification No</i> <b>1</b>
<i>Company Name</i> <b>SOUTHERN ALTA</b>	<i>Copy of Well report provided to owner</i> <i>Date approval holder signed</i>

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**NRCB USE ONLY**  
**ENVIRONMENTAL RISK SCREENING INFORMATION**

**ERST** for proposed facilities

Facility	Groundwater score	Surface water score	File number
Layer Barn	Low	Low	LA24019

**ERST** for existing facilities

Facility	Groundwater score	Surface water score	File number
EMS	Low	Low	LA15006
Hog Barn	Low	Low	LA15006
Mixed Poultry Barn	Low	Low	LA15006
Chicken Layer Barn	Low	Low	LA15006
Solid Manure Storage	Low	Low	LA15006
Broiler Barn	Low	Low	LA16008

**ERST related comments:**



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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)
No neighbours within one mile			All land within 1.5 miles zoned "Rural Agricultural". Confirmed no neighbours within 1 mile with site visit.			

### 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)
	See attached				
Total				4,648	

\* 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)**

EVERGREEN LAND	
CWB# 00-23805179	
Section 27 Evergreen Home	27-7-15-w-4
Section 28 Jerry Reti	28-7-15-w-4
Section 29 Ralph Debona	29-7-15-w-4
Section 21 Evergreen South	21-7-15-w-4
Section 22 Evergreen South	22-7-15-w-4
Section 23 Evergreen South	23-7-15-w-4
Section 26 Evergreen East gravel	26-7-15-w-4
Section 31 Andres	31-7-14-w-4
Section 4 Mulner South	4-8-14-w-4
Section 5 Gas Well	5-8-14-w-4
Section 8 Bunker hill	8-8-14-w-4
Section 9 Mulner North	9-8-14-w-4
Section 21 Fletcher North	21-8-14-w-4
Section 16 Fletcher South	16-8-14-w-4
Section 17 Brewin	17-8-14-w-4
Section 11	11-8-15-w-4
Section 33 Stimpson North	33-8-15-w-4
Section 28 Stimpson South	28-8-15-w-4
Section 20 Evergreens	20-8-14-W-4
Section 34 Fisher	34-7-14-W4
Section 14 Birch	14-7-13-W4
Section 15 Birch	15-7-13-W4
Section 23 Birch	23-7-13-W4

129 ha brown  
258 ha brown  
258 ha brown  
258 ha brown  
258 ha brown  
75 ha brown  
129 ha brown  
97 ha brown  
224 ha brown  
137 ha brown  
182 ha brown  
240 ha brown  
229 ha brown  
258 ha brown  
258 ha brown  
258 ha brown  
320 irrigated acres  
258 ha brown  
247 ha brown  
210 ha brown  
244 ha brown  
213 ha brown  
228 ha brown



Name **Hutterian Brethren of Evergreen**  
 Address  
 Legal Land  
 Location **SE-27-7-15-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	5	8.8
	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	600	2,349.6
	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	1.730	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	60,000	672.0
	Chicken - Layers - (Deep Pit)	2.000	0.700	0.008	0.0112		-
	Chicken - Pullets/Broilers	1.000	0.700	0.002	0.0014	120,000	168.0
	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	500	3.5
	Ducks	1.000	0.700	0.010	0.0070	500	3.5
	Geese	1.000	0.700	0.020	0.0140	500	7.0
	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 3,212.4

**For New Operations**

Dispersion Factor **1**

Category	Odour Objective	Distance	
		Feet	Metres
1	41.04	2,566	782
2	54.72	3,421	1,043
3	68.4	4,276	1,303
4	109.44	6,842	2,085

**For Expanding Operations**

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

Category	Odour Objective	Distance	
		Feet	Metres
1	41.04	1,975	602
2	54.72	2,634	803
3	68.40	3,292	1,004
4	109.44	5,268	1,606

Name Hutterian Brethren of Evergreen  
 Address 0  
 Legal Land  
 Location SE-27-7-15-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*	5.0	7.4	6.2	4.6	3.7
	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 *	600.0	401.0	334.2	250.7	200.5
	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)	60000.0	330.0	276.0	204.0	168.0
	Chicken - Layers - (Deep Pit)	0.0	0.0	0.0	0.0	0.0
	Chicken - Pullets/Broilers	120000.0	390.0	325.2	243.6	195.6
	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	500.0	2.7	2.2	1.7	1.3
	Ducks	500.0	0.8	0.7	0.5	0.4
	Geese	500.0	1.6	1.4	1.0	0.8
	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	1,134	945.8	706.1	570.3
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Total Acres	2,801	2337.0	1744.7	1409.3
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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)

## NRCB USE ONLY

### MINIMUM DISTANCE SEPARATION

Methods used to determine distance (if applicable): Google Earth

Margin of error (if applicable): +/- 2 m

Requirements (m): Category 1: 782 Category 2: 1,043 Category 3: 1,303 Category 4: 2,085

Technology factor:  YES  NO

Expansion factor:  YES  NO

MDS related concerns from directly affected parties or referral agencies:  YES  NO

### LAND BASE FOR MANURE AND COMPOST APPLICATION

Land base required: 1,134 ha brown

Land base listed: 5,547 ha brown

Area not suitable: 899 ha brown

Available area: 4,648 ha brown

Requirement met:  YES  NO

Land spreading agreements required:  YES  NO

Manure management plan:  YES  NO If yes, plan is attached:

### PLANS

Submitted and attached construction plans:  YES  NO

Submitted aerial photos:  YES  NO

Submitted photos:  YES  NO

### GRANDFATHERING

Already completed:  YES  NO  N/A

If already completed, see \_\_\_\_\_

# 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. New Layer Barn *(with attached solid manure storage room)*  
 2. \_\_\_\_\_

### Manure storage capacity

	Length (m)	Width (m)	Depth below grade to the bottom of the liner (m)	NRCB USE ONLY Estimated storage capacity (m <sup>3</sup> )
1.	(167.7 m) 550'	(43.9 m) <del>415'</del> 144'	0	
2.				
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  
*Facility under roof no run off*

### Liner protection

Describe how the physical integrity of the liner will be maintained  
*Inspect for cracks and seal 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  <i>6-8"</i>	Method of sulphate protection:  <i>Type 50</i>
Concrete strength  <i>32 MPA</i>	Concrete reinforcement size and spacing  <i>5/8-16" x 16"</i>

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: *3.6 m below grade* Requirements met:  YES  NO

Depth to Uppermost groundwater resource: *36 m below grade* Requirements met:  YES  NO

ERST completed:  see ERST page for details

#### Surface water control systems

Requirements met:  YES  NO Details/comments:

#### Concrete liner details

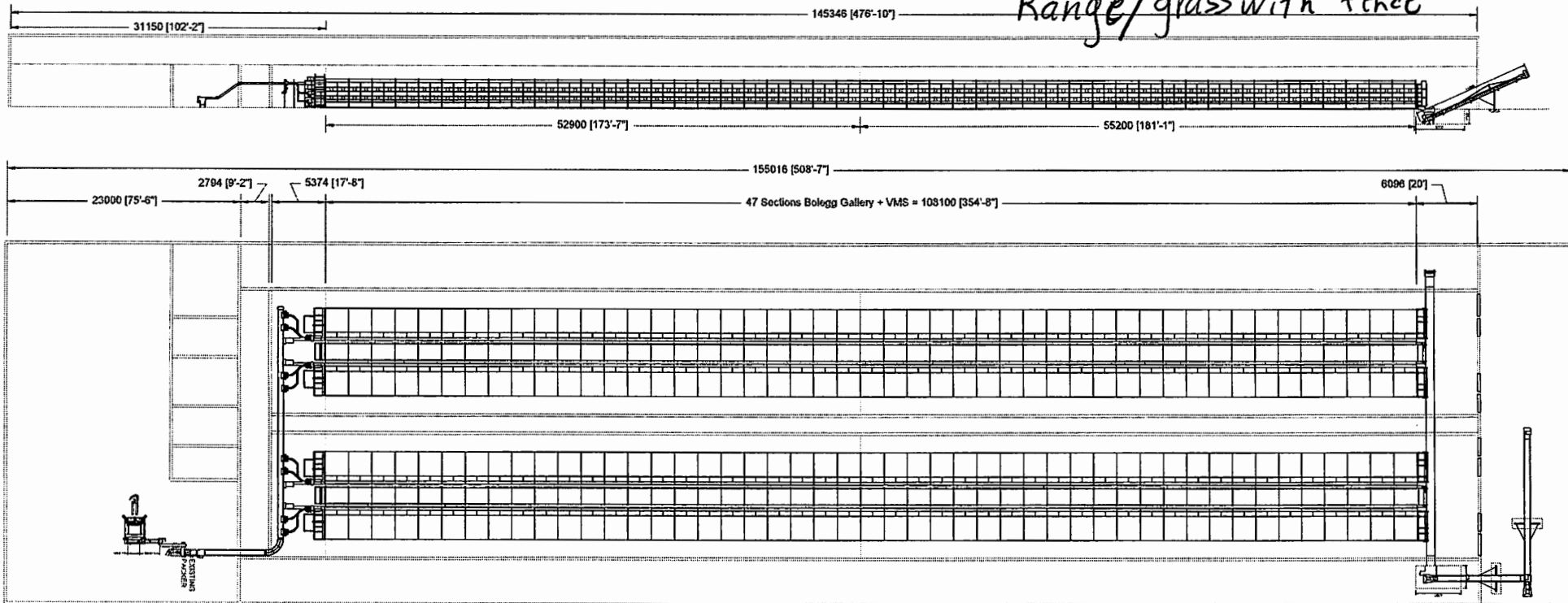
A condition is included in this permit requiring the applicant to provide proof that the concrete will meet the specifications for category D (solid manure - dry) as outlined in Technical Guideline Agdex 096-93 "Non-Engineered Concrete Liners for Manure Collection and Storage Areas".

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



550' x ~~411~~' Feet  
415'

550 ÷ 144" Barn +  
winter  
Garden  
135 x 550 x 2  
Range/grass with fence

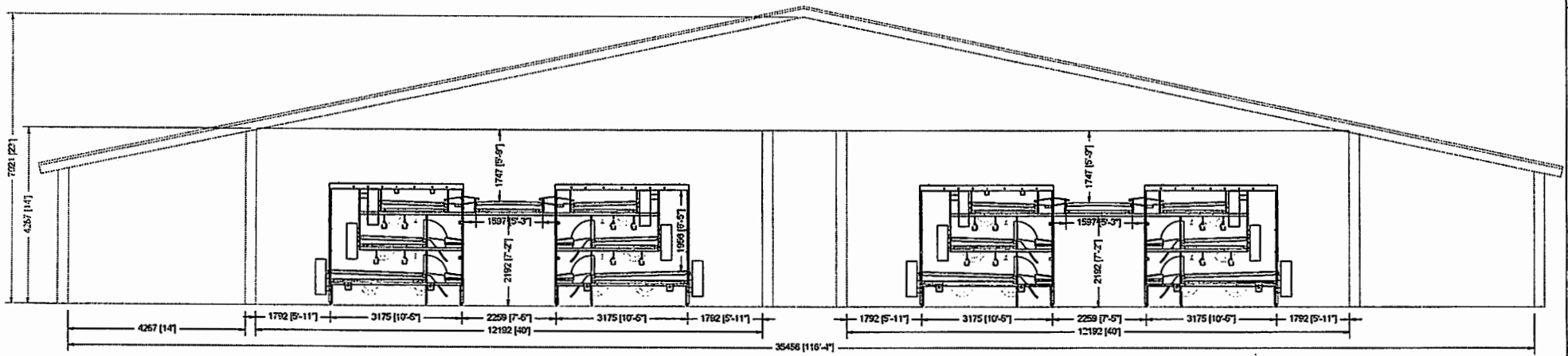
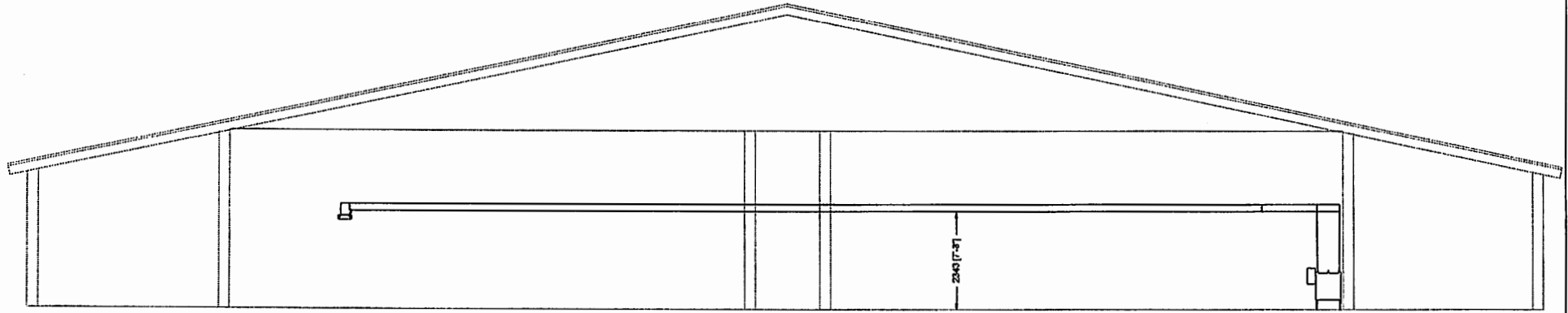


.809

AO Comment: Applicant notified NRCB that the barn is designed to be convertible to an organic layer barn, which requires access to an outdoor exercise area. The barn is designed to have this outdoor area on either side, measuring 167.7 m x 41.1 m each. No food or water is provided in these vegetated areas, nor are they considered to be manure collection areas. Therefore, the outdoor exercise areas do not require a permit under AOPA.

QUOTE NR: VEN2400486-1-3





**Vencomatic Group**  
 Agro Supply - Pilszen - Vencomatic

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 Drw.nr.: Evergreen Colony 24-04-15

2024-04-15 14:00:00 Vencomatic Group Pilszen - Evergreen Colony 24-04-15

# 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**

**ALL SIGNATURES IN FILE**

YES  NO

**DATES OF APPROVAL OFFICER SITE VISITS**

April 23, 2024	

**CORRESPONDENCE WITH MUNICIPALITIES AND REFERRAL AGENCIES**

Date deeming letters sent: May 8, 2024

**Municipality:** MD of Taber

letter sent       response received       written/email       verbal       no comments received

**Alberta Health Services:**       N/A

letter sent       response received       written/email       verbal       no comments received

**Alberta Environment and Parks:**       N/A

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:**       N/A

letter sent       response received       written/email       verbal       no comments received

**Other:** South East Alberta Water Co-op Ltd. and Forty Mile Gas Co-op Ltd.       N/A

letter sent       response received       written/email       verbal       no comments received

**Other:** County of Warner No. 5       N/A

letter sent       response received       written/email       verbal       no comments received