

# 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: 1.2em; color: blue;">LA24024</span>	<span style="font-size: 1.2em; color: blue;">N½ and SW 14-4-22 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.

May 22/2024

\_\_\_\_\_  
Date of signing

New Elm Hutterian Brethren

\_\_\_\_\_  
Corporate name (if applicable)

\_\_\_\_\_  
Signature

Sam Entz

\_\_\_\_\_  
Print name

## GENERAL INFORMATION REQUIREMENTS

<b>Proposed facilities:</b> 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)
Renovate and build onto barn to increase capacity .	57.22 m X 13.10 m
Manure load out attached to pullet barn	9.75 m X 16.15 m

<b>Existing facilities:</b> list ALL existing confined feeding operation facilities and their dimensions		
Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
See next page		

<b>NRCB USE ONLY</b>
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**Existing permitted facilities**

LA17026	Layer barn – 80.5 m x 26.3 m Attached manure storage – 13.7 m x 21.3 m
LA14032	Quarantine barn – 16 m x 2.5 m
LA05018A	Hog barn load out – 38 m x 14 m
LA03007	Liquid manure steel storage
Grandfathered facilities	Dairy barn – 60 m x 20 m 4 dry cow pens with shed – 43 m x 40 m Feedlot with shed – 130 m x 75 m Catch Basin – 50 m x 12 m x 2.7 m deep 4 Hog barns (feeder: 70 m x 16 m; feeder 40 m x 16 m; farrow: 50 m x 16 m; dry sow: 30 m x 16 m) Broiler barn – 45 m x 12 m Layer barn – 45 m x 12 m

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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

Construction completion date for proposed facilities Dec 31 2025

### 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
Dairy (plus associated livestock)	160	0	160
Beef finishers	900	0	900
Sow farrow to finish	225	0	225
Chicken layers	35,000	0	35,000
Chicken broilers	800	0	800
Ducks	800	0	800
Geese	60	0	60
AO comment: New Elm Colony is proposing an increase in chicken pullet numbers from 3,200 to 21,400			

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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 ID118722

AO comment: New Elm Colony provided a copy of their water licenses (on file)

Signed this 22 day of May, 2024.

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

## Part 2 – Technical Requirements

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

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

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

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

N

Park Road  
222



South

North

Pallet Bay  
Old Layer

Creek

East

creek

Township  
Road  
H2A

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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)*

Existing: \_\_\_\_\_ As indicated \_\_\_\_\_ Proposed 1: \_\_\_\_\_

Proposed 2: \_\_\_\_\_ Proposed 3: \_\_\_\_\_

Facility and environmental risk information	Facilities				Meets requirements	NRCB USE ONLY Comments
	Existing	Proposed 1	Proposed 2	Proposed 3		
<b>Flood plain information</b> 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 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 type="checkbox"/> ≤ 1 m	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
<b>Surface water information</b> How many springs are within 100 m of the manure storage facility or manure collection area?  How many water wells are within 100 m of the manure storage facility or manure collection area?  What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	None				<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
<b>Groundwater information</b> What is the depth to the groundwater resource/aquifer you draw water from?	33.53 m ID118722				<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
	4 m Estimated				<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)**

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**NRCB** Natural Resources  
Conservation Board

### 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
John Hetesi	NE 27-4-22 W4	1.5 miles					
Rockport Colony	NE 18-4-23	2.5 miles					
Schneider Farms	NE 26-4-22	2 miles					

### 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)
Existing permanent storage pad	SE-15-4-22-W4M				
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)**



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## 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. Pullet barn \_\_\_\_\_
  2. Manure load out \_\_\_\_\_

### 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.	55.16 m	13.10 m	0	
2.	9.75 m	16.15 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

Dry manure in barn under roof

### Liner protection

Describe how the physical integrity of the liner will be maintained

Sikaflex if crack will form

<b>NRCB USE ONLY</b>
Requirements met: <input type="checkbox"/> YES <input type="checkbox"/> NO

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

### Concrete liner details

Concrete thickness 6 in	Method of sulphate protection: Type 50
Concrete strength 32 mpa	Concrete reinforcement size and spacing 12 to 14 in on center 12 mm

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

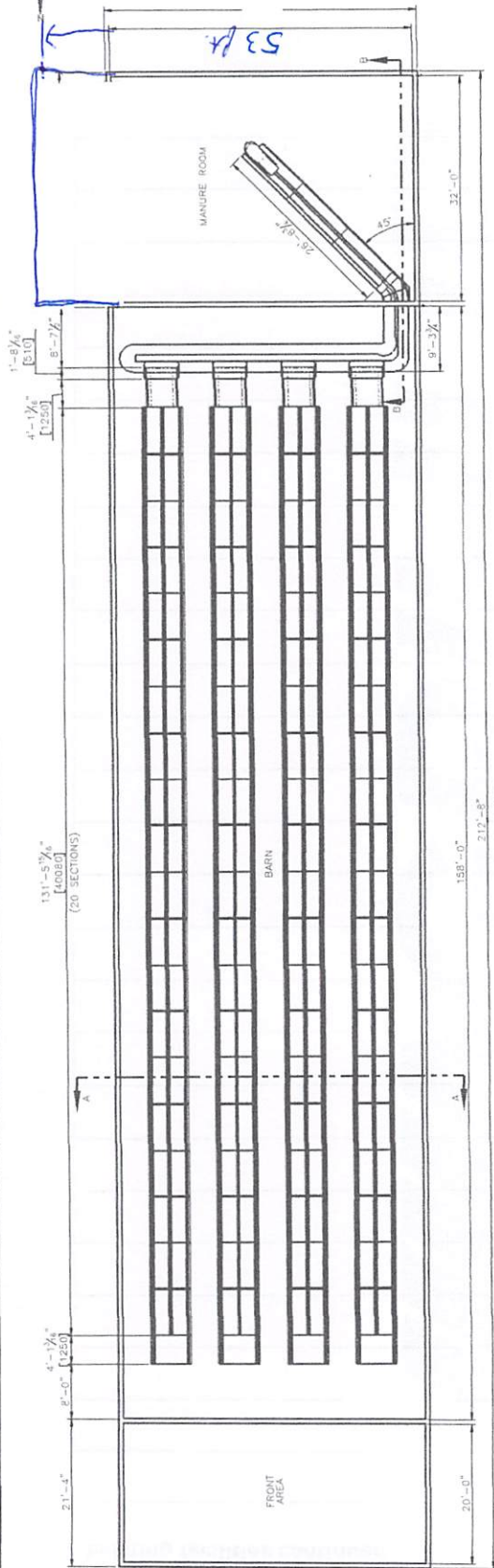
ERST completed:  see ERST page for details

#### Surface water control systems

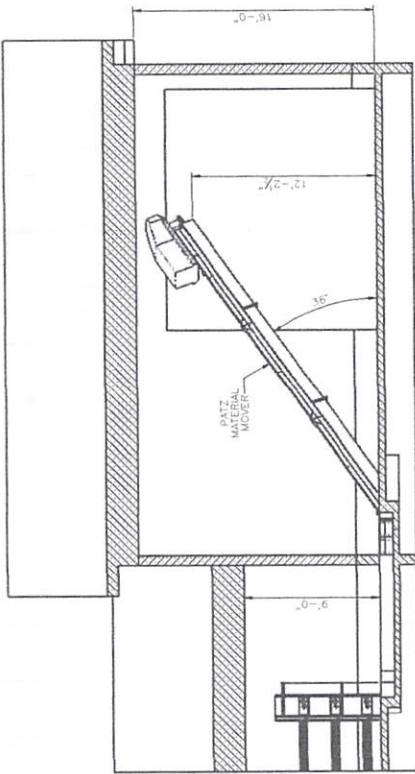
Requirements met:  YES  NO Details/comments:

#### Concrete liner details

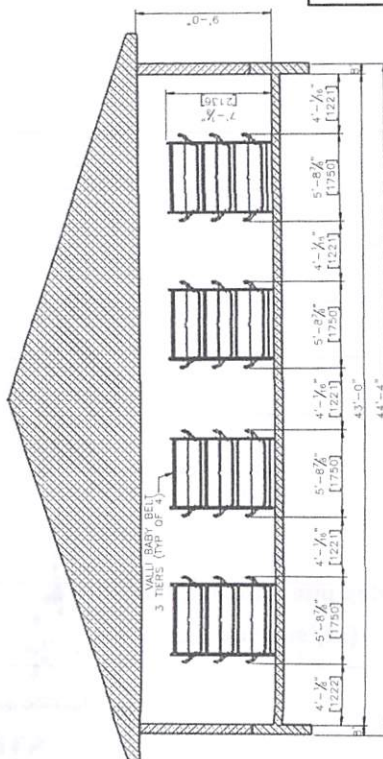
Leakage detection system required:  YES  NO If yes, please explain why.



PLAN VIEW



SECTION B-B  
SCALE: 1/4" = 1'-0"



SECTION A-A  
SCALE: 1/4" = 1'-0"

CLIENT: NEW ELM COLONY  
MAGRATH, ALBERTA

DRAWING TITLE: PULLET BARN

DRAWING NO: 196

DATE: APR/27/24

SCALE: 1 OF 1

DESIGNER: D.J.B.

DATE: 1 OF 1

REVISION: A

**DENNER FARM SERVICES**

66-2711 HWY. 12 LACOMBE AB T4G 0G3  
 TEL: 403-261-5528 FAX: 403-261-5575

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REV.	DATE	DESCRIPTION	BY	CHK
1	4/27/24	ISSUED FOR REVIEW		

ENGINEERING: [ ] STAMP: [ ]