

Technical Document RA24012



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 RA24012	Legal land description NE 13-44-27 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.

Date of signing: march 8/2024
 Signature:
 Corporate name (if applicable): Both's custom works LTD
 Print name: Peter Both,

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)
chicken Barns X2	128 X 20.11
front Room on chicken Barns.	15.24 X 38.1

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

Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
chicken Barns X2	128 X 20.11	Permitted under RA19032
front Room on Barns	38.1 X 15.24	
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N/A

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

(This area is currently blank and contains faint bleed-through text from the reverse side of the page.)

Construction completion date for proposed facilities Dec 10 / 2025

Additional information

- start Dirt work may 1 2024
- start concret work July 1 2024
- start construction oct 25 2024

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
From Part 1:			
chickens (Poultry)	140 000	500 000 200 000	200,000

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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 18 day of March, 2024.


Signature of Applicant or Agent

Applicant is going with option 4 on next page

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 18 day of March, 2024.


Signature of Applicant or Agent

Applicant is going with option 4 on next page

OPTION 3: Additional water licence not required

1. I (we) declare that the CFO will not need a new licence from EPA under the *Water Act* for the development or activity proposed in this AOPA application.
2. **Provide:** Water license number(s) or water conveyance agreement details _____

Signed this _____ day of _____, 20____.

Signature of Applicant or Agent

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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 _____

unknown

Signed this 19 day of March, 2024.

Signature of Applicant or Agent

north
↑



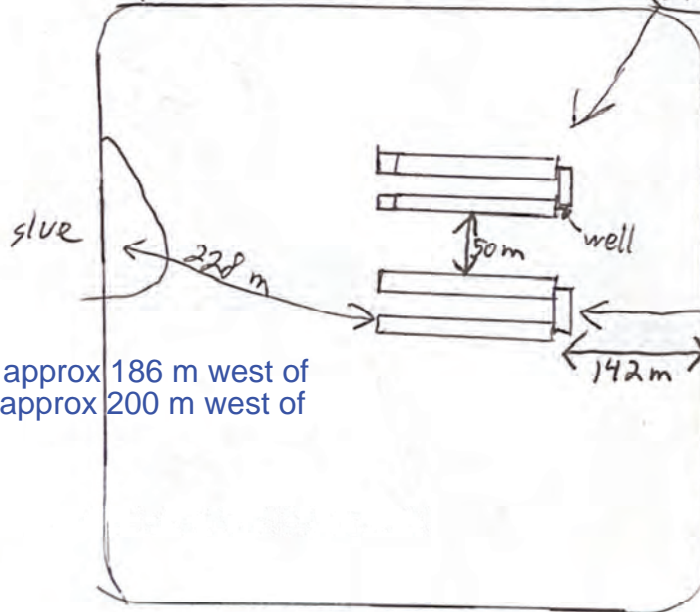
Imagery ©2024 Airbus, CNES / Airbus, Maxar Technologies, Map data ©2024 100 m

north
↑

○ nearest neighbour
89 26.32 meters.

NE 13 44-27-W4

Existing Barns



New Barns

AO Note: Sluice is approx 186 m west of existing barns, and approx 200 m west of proposed barn

Each Barn is 420 Feet long
Each Barn is 66 Feet wide
Front section connecting the two Barns is 125 Feet wide and 50 Feet long.

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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: Barn 5/6 Proposed 1: 7/8
 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 checked="" 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
	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	Confirmed on site visit
	How many water wells are within 100 m of the manure storage facility or manure collection area?	0	0			<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES with exemption	Confirmed one ww w/i 100 m of existing and proposed barn
	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	1 mile	1 mile			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	Slough located approx 186 m west of existing barn
Groundwater information	What is the depth to the water table?	more than 16 Feet.				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	Confirmed
	What is the depth to the groundwater resource/aquifer you draw water from?	260	260			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	UGR identified at 18.59 m in WW 2089220

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

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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
New land Nieuwland Otto	SW-19-44-26-W4M Quarter NE of me.	8926	Ag	1	604 m		Yes
Tatlow Tatlow	Quarter to the East and little south SW-13-44-27-W4	2 km	Ag	1	1364 m		Yes
Meidema	NE-14-44-27-W4	1374	CR	2	1374		Yes

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) q.c.s.	Soil zone ***	NRCB USE ONLY	
				Usable area (ha)	Agreement attached (If required)
Both custom works	SE-36-42-26-W4	64 ac	Dark Brown		
Both custom works	NE-33-44-3 W5	151	Brown soil		
Both custom works	NE-31-44-3 W5	124	Brown soil		
BCW	NE-13-44-27W4	131			
BCW	NW-18-44-26-W4	159			
Total				629 ac this page	

* 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)

1606 Acre total.

1152 ac rented land (next page)

Total listed 1781

march/21/2024

NE + NE 23-44-26-W4 = 279 acers

SE-36-42-26-W4

NE-25-42-26-W4

} 153 acers,

NW-12-43-27-W4 - 160 acers

NE + NW + SE + SW - 13-43-27-W4 = 520

NE + NW + SE + SW - 24-43-27-W4 = 480

1592 acers

I 5000/6 A.B LTD Give Permission

for Both custom works to use

the land described Above to

spread manure on starting the

Spring of 2025 until the fall of

2027



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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

MINIMUM DISTANCE SEPARATION

Methods used to determine distance (if applicable): Aerial photography

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

Requirements (m): Category 1: 321 m Category 2: 428 m Category 3: 535 m Category 4: 856 m

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: 1606 acres

Land base listed: 1781 acres

Area not suitable: Already accounted for

Available area: 1781 acres

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 _____

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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
ENVIRONMENTAL RISK SCREENING INFORMATION

ERST for **proposed** facilities

Facility	Groundwater score	Surface water score	File number
2024 new broiler barns	Low	Low	RA24012

ERST for **existing** facilities

Facility	Groundwater score	Surface water score	File number
2019 broiler barns	low	low	RA19032

ERST related comments:

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NRCB USE ONLY
WATER WELL AND SURFACE WATER INFORMATION

Well IDs: 296870 (mobile) 2089220 (barn) _____

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
2089220	5-exemption more likely	not required	2024 new broiler barn

Groundwater or surface water related comments:

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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. new Barn ?/
 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 ³)
1.	128	20.11	0	8 weeks of storage
2.	128	20.11	0	
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

N/A its a Barn

Liner protection

Describe how the physical integrity of the liner will be maintained

visual inspection Repair as need

NRCB USE ONLY

Requirements met: YES NO

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

Concrete liner details	
Concrete thickness <u>5"</u>	Method of sulphate protection: <u>concrete sealer.</u>
Concrete strength <u>30 mPA</u>	Concrete reinforcement size and spacing <u>10mm Rebar 16" spacing.</u>
<p>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</p>	<p>NRCB USE ONLY</p> Requirements met: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Condition required: <input type="checkbox"/> YES <input type="checkbox"/> NO Report attached: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

Additional information (attach as required)

NRCB USE ONLY	
Nine month manure storage volume requirements met <input type="checkbox"/> YES <input checked="" type="checkbox"/> YES With STMS <input type="checkbox"/> NO	
Depth to water table: <u>> 16 ft</u>	Requirements met: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Depth to Uppermost groundwater resource: <u>18.59 m</u>	Requirements met: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
ERST completed: <input checked="" type="checkbox"/> see ERST page for details	
Surface water control systems	
Requirements met: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Details/comments:
Concrete liner details	
Leakage detection system required: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If yes, please explain why.	

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NRCB USE ONLY

ALL SIGNATURES IN FILE

YES NO

DATES OF APPROVAL OFFICER SITE VISITS

April 16, 2024	

CORRESPONDENCE WITH MUNICIPALITIES AND REFERRAL AGENCIES

Date deeming letters sent: April 17, 2024

Municipality: Ponoka County

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: Apex Utilities N/A

letter sent response received written/email verbal no comments received

Other: _____ N/A

letter sent response received written/email verbal no comments received