

Technical Document LA25031



Part 2 – Technical Requirements

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

NRCB USE ONLY	Application number	Legal land description
<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Registration <input type="checkbox"/> Authorization <input type="checkbox"/> Amendment	<u>LA25031</u>	<u>NW 16-10-14 W4M</u>

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.

April 1, 2025
Date of signing

Sunset Feeders Ltd
Corporate name (if applicable)


Signature
Keith Ypma
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>2 Broiler Poultry Barns</u>	<u>120m x 18m each</u>

Existing facilities: list ALL existing confined feeding operation facilities and their dimensions		
Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
<u>N/A</u>		

NRCB USE ONLY <u>Application for a new CFO</u>
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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

End of 2025 / Spring 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
Poultry / Broilers	75,000 0	75,000	75,000

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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

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 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

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 1 day of Apr. 1, 2025.

Signature of Applicant or Agent

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.

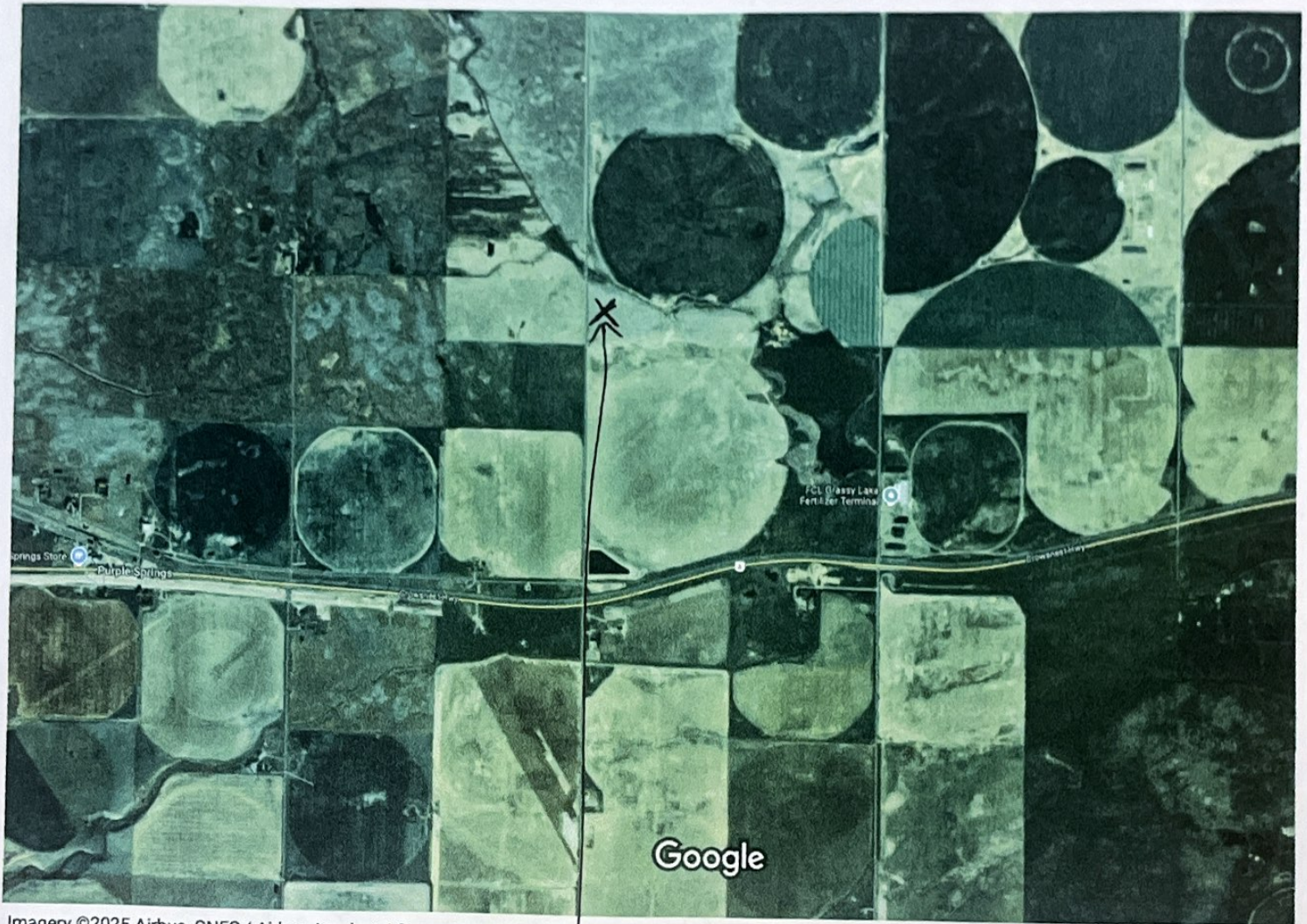
Signed this ____ day of _____, 20____.

Signature of Applicant or Agent

Water

I will work with SMRID
to get an agreement in place
for the water licence/conveyance in place
to support this application

Google Maps



Imagery ©2025 Airbus, CNES / Airbus, Landsat / Copernicus, M.D. of Taber, Maxar Technologies, S. Alberta MD631s and Counties, Map data ©2025 Google 200 m

proposed site
NW 16-10-14 w4

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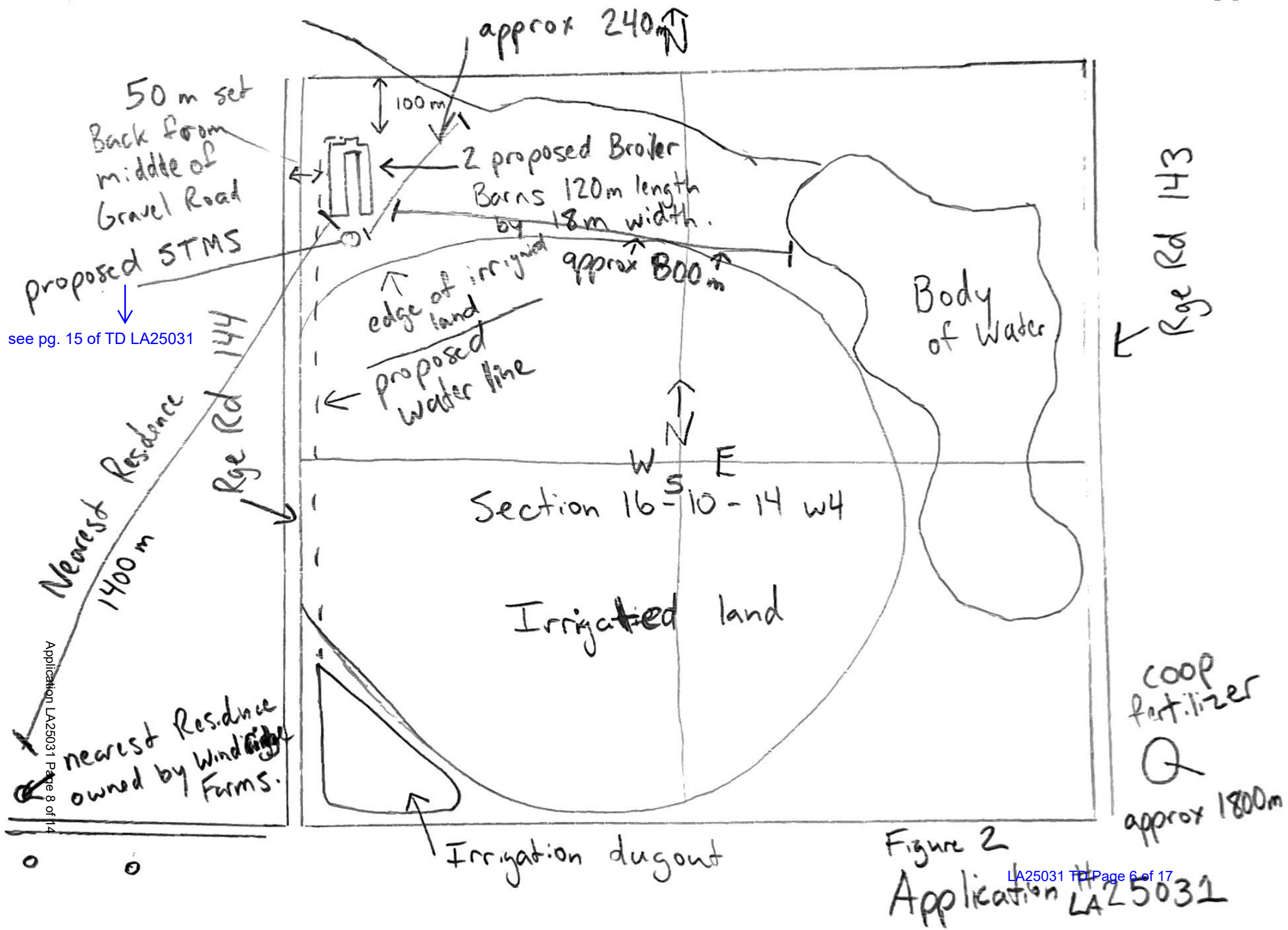


Figure 2
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Google Maps

Rge Rd 144

N

build site on NW-16-10-14
w4overflow
run off water
canal.

Rge Rd 143

Sec 16-10-14
w4

coop fertilizer

Short term
manure storage site
approx 240 M from
overflow Canal.No run off from
proposed short term
storage.

approx 1400m

distance separation
of approx 1800mNearest
residenceirrigation
pond

Hiway 3.

distance separation
from nearest body of water
approx 800 m.

Figure 1

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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:

Proposed 1: Sunset Feeders Ltd Barn 1

Proposed 2: Sunset Feeders Ltd Barn 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 height 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 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"/> > 1 m <input type="checkbox"/> ≤ 1 m	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	Confirmed not in a flood plain
	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	None observed during site visit
Surface water information	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	4 registered to LLD (federal well survey and chemistry). Not within 100 m of proposed broiler barns
	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)		240m ditch 800m Lake	240m - ditch/canal 800m - lake		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	Canal >100 m N of proposed broiler barns
Groundwater information	What is the depth to the water table?		N/A	N/A		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	Static water level at 19.81 m Well ID# 203474
	What is the depth to the groundwater resource/aquifer you draw water from?		N/A	N/A		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	> 19.81 m

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

Well ID# 203474 is located on NE 22-10-14 W4 and was used solely for the purpose of determining the uppermost groundwater resource.

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WATER WELL AND SURFACE WATER INFORMATION

Well IDs: 203424 (chemistry) 203427 (chemistry) 203429 (federal well survey)
203431 (federal well survey)

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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ENVIRONMENTAL RISK SCREENING INFORMATION

ERST for **proposed** facilities

Facility	Groundwater score	Surface water score	File number
Broiler barn 1	Low	Low	LA25031
Broiler barn 2	Low	Low	LA25031

ERST for **existing** facilities

Facility	Groundwater score	Surface water score	File number
None - application for a new CFO			

ERST related comments:

Proposed CFO facilities that meet or exceed AOPAs technical requirements are presumed to pose a low risk to surface water and groundwater

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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
Wind Ridge Farms	SE-17-10-14 w4	1400m	Rural Ag	1	1500	NA	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)	Soil zone ***	NRCB USE ONLY	
				Usable area (ha)	Agreement attached (if required)
Fincastle Farms Ltd	S 1/2 03-10-14 w4	110 HA	irrigated	110	Yes
" "	E 1/2 34-9-14 w4	110 HA	irrigated	110	↓
" "	N 1/2 26-9-14 w4	110 HA	irrigated	110	
" "	SE 9-10-14 w4	53 HA	irrigated	53	
" "	SE 4-10-14 w4	53 HA	irrigated	53	
Total				436	

* 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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MINIMUM DISTANCE SEPARATION

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

Margin of error (if applicable): +/- 3 m

Requirements (m): Category 1: 224 Category 2: 299 Category 3: 374 Category 4: 598

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: 122 ha irrigated

Land base listed: 436 ha irrigated

Area not suitable: Already subtracted

Available area: Sufficient land available

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

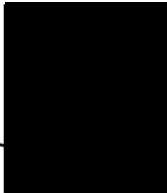
If already completed, see _____

I Keith Ypma owner of Fincastle Farms Ltd
agree to using our land for the purpose
of spreading chicken manure on it from
Sunset Feeders Ltd. the land we are
proposing is :

S 1/2	03-10-14 w4	110 Ha	irrigated
E 1/2	34-9-14 w4	110 ha	irrigated
N 1/2	26-9-14 w4	110 ha	irrigated
SE	9-10-14 w4	53 ha	irrigated
SE	4-10-14 w4	53 ha	irrigated.

this agreement will continue as long as each
company owns and operates their businesses.


Keith Ypma
Fincastle Farms Ltd
April 1, 2025


Keith Ypma
Sunset Feeders Ltd
April 1, 2025

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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. Sunset Feeders Ltd Poultry Barn 2
2. Sunset Feeders Ltd Poultry 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.	120 m	18 m	0	
2.	120 m	18 m		
TOTAL CAPACITY				Sufficient storage with STMS

☒ 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

Buildings will be complete with roofs above to control run off

Liner protection

Describe how the physical integrity of the liner will be maintained

Concrete floors with wooden structure and roofs over top

NRCB USE ONLY

Requirements met: ☒ YES ☐ NO

Manure storage : Application # LA 25031

we would use STMS on the dry land corner to the south of the barns. this would then be spread on the lands surrounding and designated at appropriate times of the year.



The Standards and Administration Regulation (SAR) section 5(1) defines "short term" as an accumulated total of 7 months over a 3 year period (i.e. it is not meant to be a permanent site for manure storage). The applicant is reminded that they are responsible for ensuring that the requirements for short-term manure storage are met as set out in section 5 of SAR.

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

Concrete liner details

Concrete thickness 6 inch	Method of sulphate protection: type 50
Concrete strength 28 mpa	Concrete reinforcement size and spacing 18 "

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)

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

Depth to water table: **19.81 m** Requirements met: ☒ YES ☐ NO

Depth to Uppermost groundwater resource: **> 19.81 m** Requirements met: ☒ YES ☐ NO

ERST completed: ☒ see ERST page for details

Surface water control systems

Requirements met: ☒ YES ☐ NO Details/comments:

Concrete liner details

Condition requiring concrete to meet the specifications for category D (solid manure - dry) 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.

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ALL SIGNATURES IN FILE

☒ YES ☐ NO

DATES OF APPROVAL OFFICER SITE VISITS

April 8, 2025	

CORRESPONDENCE WITH MUNICIPALITIES AND REFERRAL AGENCIES

Date deeming letters sent: April 16, 2025

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: SMRID, Forty Mile Gas Coop Ltd. ☐ 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