

Part 2 – Technical Requirements



NRCB Natural Resources Conservation Board

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 | RA25031 | NE 18-44-22 W4M |
| <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.

April 16 2025
Date of signing

Signature

Battle River Broilers Ltd.
Corporate name (if applicable)

Print name

Abby Reimer.

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) | | | Dimensions (m) (length, width, and depth) |
|--|------|-----------|--|
| chicken | Barn | Broilers. | 121.92 x 20.72 |
| " | " | " | 121.92 x 20.72 |
| " | " | " | 121.92 x 20.72 |
| " | " | " | 121.92 x 20.72 |
| | | | |

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

| |
|----------------------|
| NRCB USE ONLY |
| N/A; new CFO |

Part 2 — Technical Requirements



NRCB | Natural Resources
Conservation Board

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

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

2026 - July

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 |
|--|------------------|---|----------|
| chicken, Broilers. | 0 | 180 000. | 180 000. |
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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)

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) Applying now.

Signed this 28 day of April, 2025.

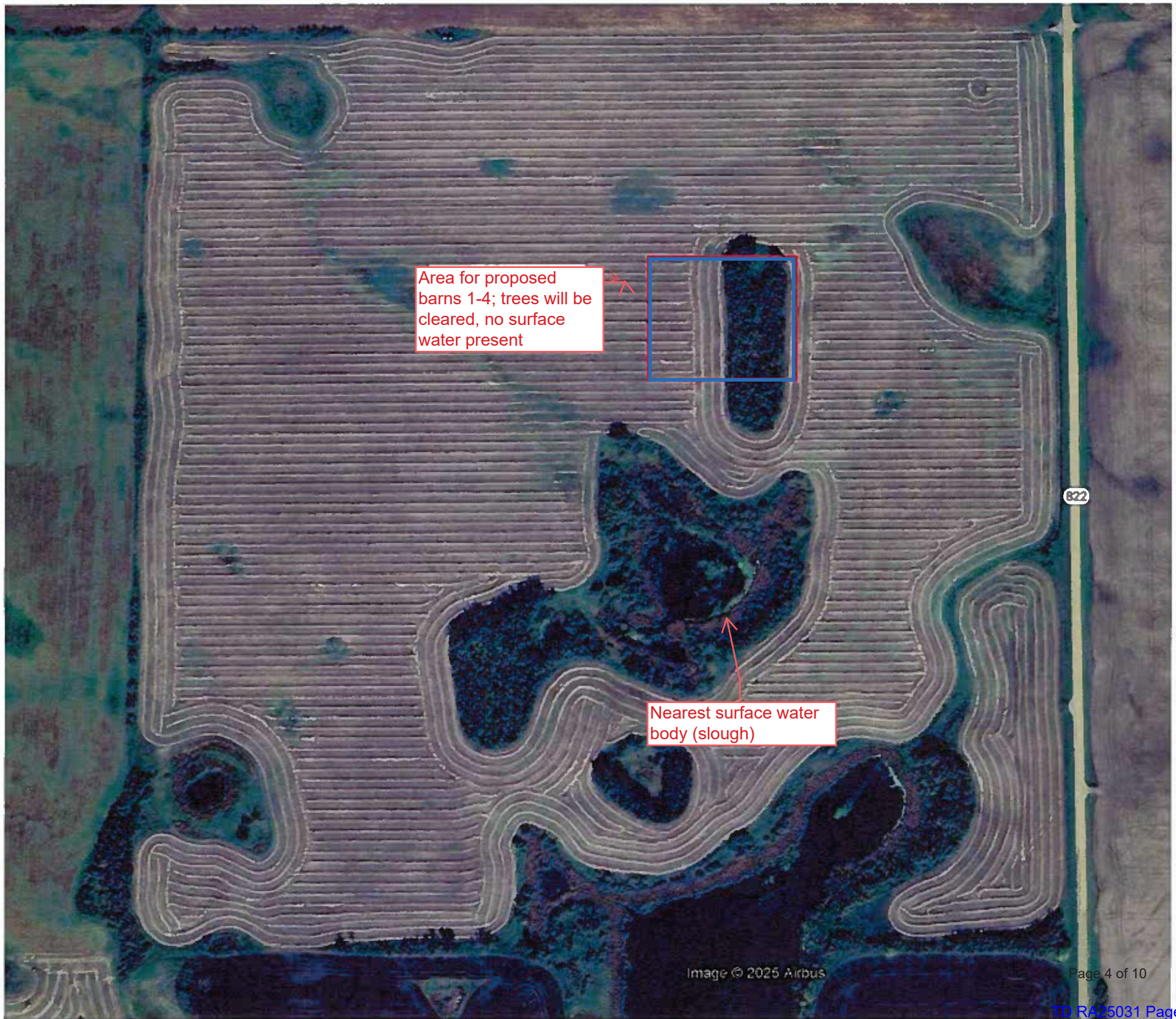
Signature of Applicant or Agent

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 _____

Signed this _____ day of _____, 20____.

Signature of Applicant or Agent



Area for proposed barns 1-4; trees will be cleared, no surface water present



Nearest surface water body (slough)



North.

atr line

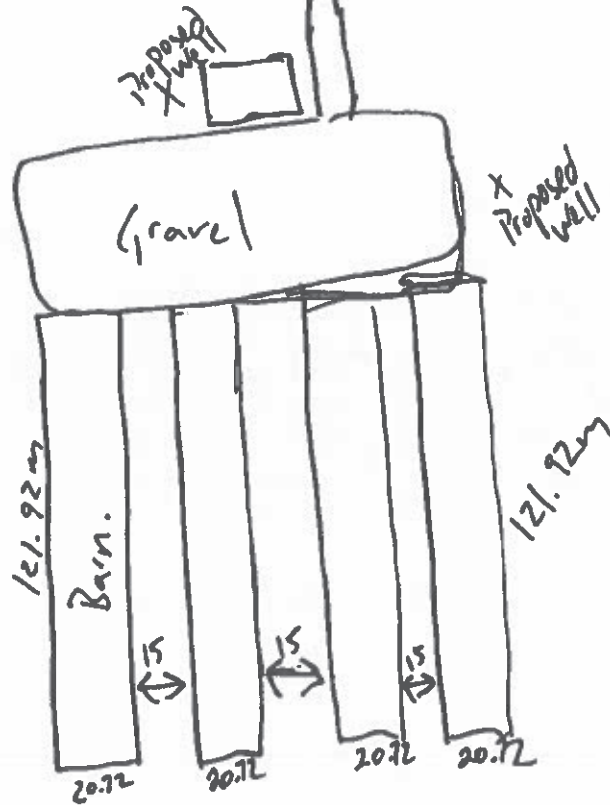
NE-18-44-22-W4.

Pipeline underground.

Road

Highway 822

Drainage



atr line Drainage.

89m
or
116.56 meters.

Water Slough

Slough

atr line.

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)

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: N/A

Proposed 1: Proposed Broiler Barns

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 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 | Not located in a floodplain |
| Surface water information | How many springs are within 100 m of the manure storage facility or manure collection area? | | 0 | | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption | None observed |
| | How many water wells are within 100 m of the manure storage facility or manure collection area? | | 0 | | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption | None, confirmed |
| | What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal) | | 102 m | | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption | Slough >89 m south of proposed construction |
| Groundwater information | What is the depth to the water table? | | 4 m? | | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption | No wells on site; closest well indicates ~5.5 m |
| | What is the depth to the groundwater resource/aquifer you draw water from? | | 23' | | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption | 22.9 m in WW ID 132539 |

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

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

WATER WELL AND SURFACE WATER INFORMATION

No wells located on NE-18-044-22-W4

Well IDs: 132539 (located on SW-18-44-22-W4; used to determine UGR)

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 |
|---------------|-----------------------------|---------------------------|----------|
| | | | |
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Groundwater or surface water related comments:

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

ENVIRONMENTAL RISK SCREENING INFORMATION

ERST for **proposed** facilities

| Facility | Groundwater score | Surface water score | File number |
|-------------------|-------------------|---------------------|-------------|
| Broiler barns 1-4 | low | low | RA25031 |
| | | | |
| | | | |
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| | | | |

ERST for **existing** facilities

| Facility | Groundwater score | Surface water score | File number |
|-------------|-------------------|---------------------|-------------|
| N/A new CFO | | | |
| | | | |
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ERST related comments:

2.471 acres/ha.

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)

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 |
| Corica? | Acres SE 18-44-22-W4 | 619m | Ag | 1 | 620 m | N/A | Yes |
| Dennis Baskas. | SW-18-44-22 W4 | 1,000m? | Ag | 1 | 1,362 m | N/A | Yes |
| | | | | | | | |
| | | | All other residences >1,500 m from CFO | | | | |
| | | | | | | | |

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

| | | | | NRCB USE ONLY | |
|------------------------|----------------------------|-----------------------|--|---------------------|--|
| Name of land owner(s)* | Legal land description | Usable area** (ha) | Soil zone *** | Usable area (ha) | Agreement attached (if required) |
| Jan Willem Lok. | S½ 15-44-27 W4 | 129.5 | Black. | | Yes |
| | S½ 27-47-27 W4 | 97.17 | | | |
| | S½ 36-47-27 W4. | 91.06 | | | |
| | NE-17-48-26 W4 | 56.66 | AO note: lands already listed in another application; see note below for additional land | | |
| | NE 8-46-26-W4 | 58.276 | | | |
| | Total | | | 226.7 ha | |

* 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)

AO note: applicant provided additional spreading land on July 10, 2025 (all land is owned by Jan Willem Lok; waiver attached):

NE-27-44-2-W5 = 56.7 ha

Sec. 30-46-27-W4 = 222.6 ha

N1/2-28-45-27-W4 = 121.4 ha

NW-10-46-27-W4 = 40.5 ha

Last updated September 11, 2023

Total = 441.2 ha

Manure Spreading Agreement

JW. Lok

Battle River Broilers.

Janwillem Lok

agree to allow

Battle River Broilers. (applicant)

to spread manure on the following lands during 2024-2030 calendar year

NE 27-44-2 WS - 140 acre
Section 30-46-27-W4 - 550 acre

JW Lok
July 10 / 2025

| Land location | Acres | Suitable for spreading | Soil zone |
|-----------------------------|----------|------------------------|-----------|
| S $\frac{1}{2}$ 15-44-27 W4 | 320 | yes | Black |
| S $\frac{1}{2}$ 27-47-27 W4 | 240 | ↓ | ↓ |
| S $\frac{1}{2}$ 36-47-27 W4 | 225 | | |
| NE 17-48-26 W4 | 140 | | |
| NE 8-46-26 W4 | 144 | | |
| N $\frac{1}{2}$ 28-45-27 W4 | 300 acre | | |
| NW 10-46-27 W4 | 160 acre | ↓ | ↓ |

Signed



Date: June 15 2024

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): +/- 3 m

Requirements (m): Category 1: 309 Category 2: 412 Category 3: 515 Category 4: 824

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: 365.4 ha

Land base listed: 667.9 ha

Area not suitable: N/A

Available area: 667.9 ha

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. Battle River Broilers, Ltd.
2. (Broiler barns 1-4)

Manure storage capacity

| | Length (m) | Width (m) | Depth below grade to the bottom of the liner (m) | NRCB USE ONLY Estimated storage capacity (m³) |
|----------------|------------|-----------|--|--|
| 4x 1. | 121.92 | 20.72 | 0 | |
| 2. | | | | |
| TOTAL CAPACITY | | | | Sufficient capacity w STMS |

AO note: dimensions are for each of the 4 barns

☒ 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

Liner protection

Describe how the physical integrity of the liner will be maintained

NRCB USE ONLY

Requirements met: ☒ YES ☐ NO

AO note: applicant indicated the facilities are fully enclosed and performing regular crack maintenance to ensure liner integrity

Last updated February 26, 2021

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 5 inch. | Method of sulphate protection. Type 50. |
| Concrete strength 30 MPa. | Concrete reinforcement size and spacing 18" spacing 1/2 inch #4. |

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: ~5.5 m Requirements met: ☒ YES ☐ NO

Depth to Uppermost groundwater resource: 22.9 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

Applicant to provide proof that concrete liner meets AOPA requirements.

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

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

| | |
|-------------|--|
| May 5, 2025 | |
| | |
| | |

CORRESPONDENCE WITH MUNICIPALITIES AND REFERRAL AGENCIES

Date deeming letters sent: May 22, 2025

Municipality: Wetaskiwin 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: Lynx Energy ULC ☐ 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