

NE 9-48-21-W4



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 type="checkbox"/> Approval <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Authorization <input type="checkbox"/> Amendment	RA24022

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.

September 4, 2024
Date of signing

[Redacted Signature]
Signature

1927127 Alberta Ltd.
Corporate name (if applicable)

Sheila E Hamilton
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)
Pullet Barn straight wall on	140' x 20' x 12h 42.7 m x 6.1 m
Lager Barn Grade Beam	226' 4" x 40 x 12' h 69.0 m x 12.2 m

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

Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
Barn 1	64.16 x 32.33	Confirmed existing facilities permitted
Barn 2	60.33 x 40.33	
Barn 3	120.5 x 40.33	
NRCB USE ONLY		

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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 Concrete For Floors - set up Oct 2024

Additional information Building Completion → April 2025

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
hogs		6000	
pullets		2000	
AO Note, as per the part 1 the applicant is proposing the following livestock numbers:			
Chicken broilers	22,300	-4,300	18,000
Chicken layers	1,000	+5,000	6,000
Layer pullets	0	+ 2,000	2,000

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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 4 day of Sept, 2024.

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

Click a starting point

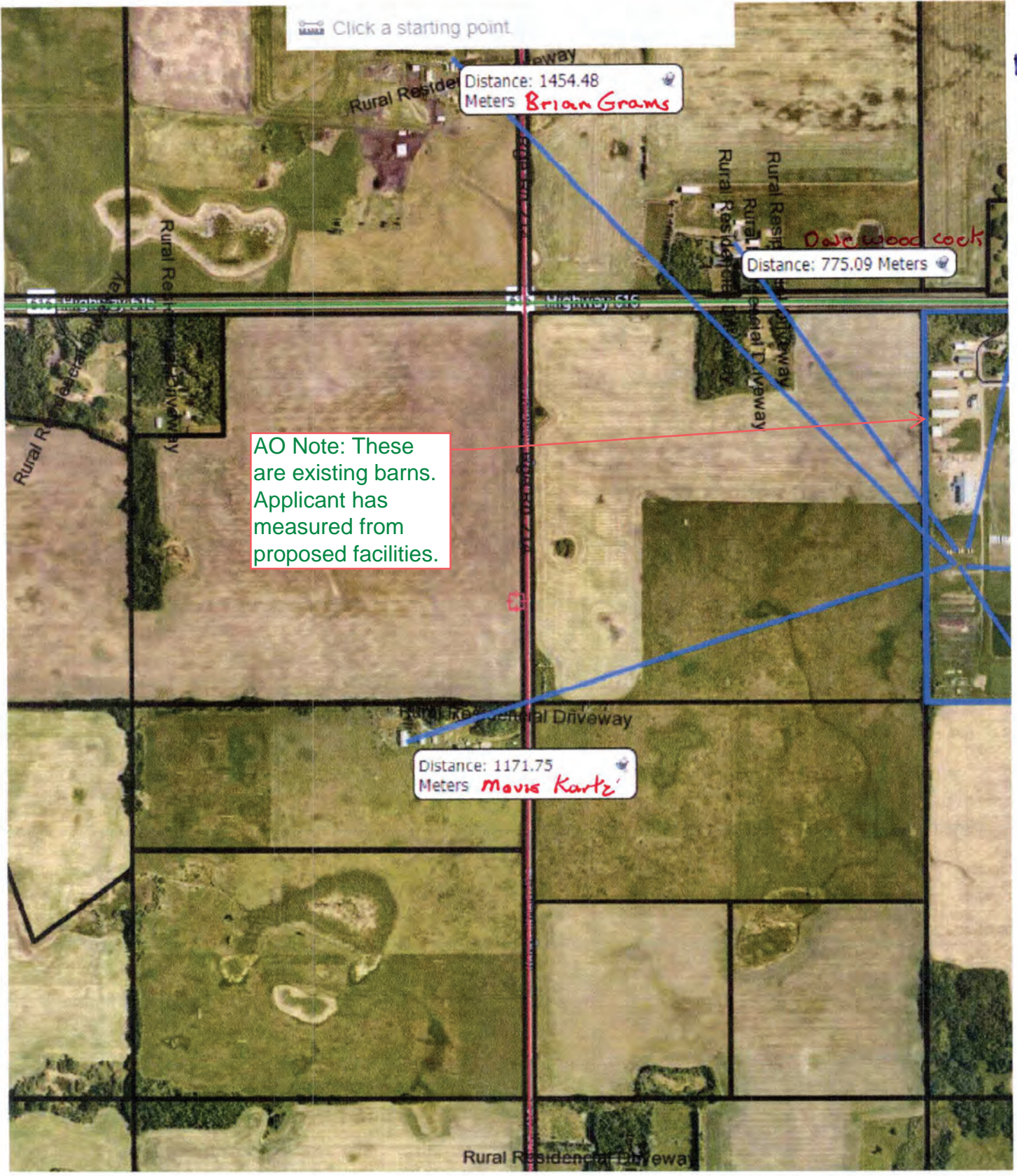
N ↑

Distance: 1454.48 Meters *Brian Grams*

Dark wood cock
Distance: 775.09 Meters

AO Note: These are existing barns. Applicant has measured from proposed facilities.

Distance: 1171.75 Meters *Mavis Kartz*



Ron Hamilton

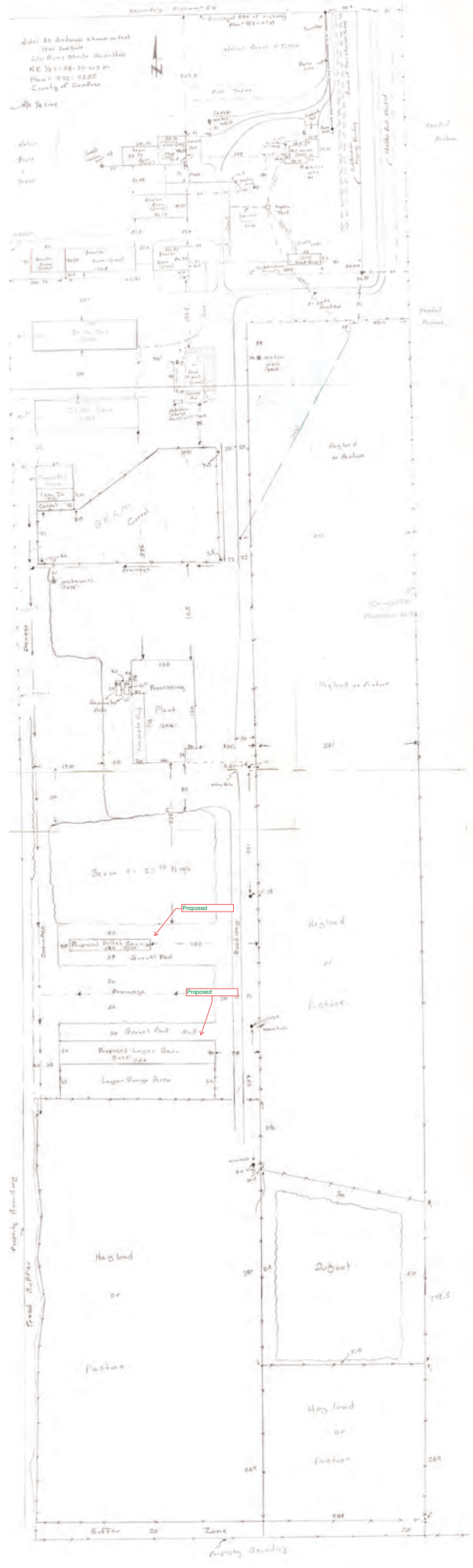
From: Kim Hunter <kmacmurray@county.camrose.ab.ca>
Sent: August 26, 2024 10:29 AM
To: Ron Hamilton
Subject: RE: Aerials Requested



Sure here you go



Site to be developed
 1200 S. 10th St
 NE 1/4 of Section 10
 T12N R12E S22W
 County of Carbon



Well ID	LSD	SEC	TWP	RGE	M	DRILLING COMPANY	DATE COMPLETED	DEPTH (ft)	TYPE OF WORK	USE	CHM	LT	PT	WELL OWNER	STATIC LEVEL (ft)	TEST RATE (lgpm)	SC DIA (in)
169048	NE	9	48	21	4	UNKNOWN DRILLER		110.00	Chemistry	Domestic				HAMILTON, SHEILA			0.0
169049	NE	9	48	21	4	UNKNOWN DRILLER		300.00	Chemistry	Domestic				HAMILTON, SHEILA			0.0
233872	16	9	48	21	4	UNKNOWN DRILLER	1951-04-18	4,248.00	Structure Test Hole	Industrial				NORTH CAN OILS LTD #TH1			0.0
030183	NE	9	48	21	4	ACTION WATER WELLS LTD.	2007-12-28	135.00	New Well	Domestic & Stock		14	25	SUNWORKS FARM	32.50	2.00	6.0
029756	15	9	48	21	4	LOSNESS DRILLING (2005)	2014-06-09	300.00	New Well	Other		20	25	SUN WORKS FARMS	56.79	5.70	7.0
029762	10	9	48	21	4	LOSNESS DRILLING (2005)	2014-07-31	490.00	New Well	Observation		20	1	SUNWORKS FARM LTD.	67.37	0.50	

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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 barns

Proposed 1: ✓ Layer Barn

Proposed 2: ✓ Pullet Barn

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 checked="" type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input checked="" 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?	∅	∅	∅		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	Confirmed
	How many water wells are within 100 m of the manure storage facility or manure collection area?	∅	∅	∅		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	No water wells within 100 m of proposed; several other wells within 100 m of existing facilities;
	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	1 km+	1 km+	1 km+		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	Dugout located approx 150 m from proposed barns; not common body of water.
Groundwater information	What is the depth to the water table?		56 Ft	56 Ft		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	No evidence of shallow water table; proposed construction at grade
	What is the depth to the groundwater resource/aquifer you draw water from?	56 Ft	56 Ft	56 Ft		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	WW 2029756 UGR at 62.48 m

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
Doug Kartz	Nw-9-48-21-4	570.9	Ag	1	373 m		Yes
Dove woodcock	Sw-16-48-21-4	758.13	Ag	1	505 m		Yes
Bryce Wolfe	SE-16-48-21-4	675.03	Ag	1	219 m		Yes
D Hilgortner	SE 9-48-21-4	775.77	Ag	1	688 m		Yes
SE 17-48-21-4 Briana Grimes Patty	SE 17-48-21-4	1462.46	Ag	1	1112 m		Yes

same LLD as Hilgortner; 2 residences on section. 688 m reflects closest residence

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)
1927127 Alberta (Applicant)	NE-9-48-21-4	40 Ac	Black	approx 20 ac	
Provine Land + Cattle	NE-9-48-21-4	120 Ac	1	approx 110 ac	Yes
Alan Kartz	SE-4-48-21-4	160 Ac	1	approx 140 ac	Yes
Ront Sheila Hamiltu	Sw 16-48-20-4	80 Ac	M	approx 70 ac	
Total				340 ac	

* 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)

1426705 Ab Ltd
Camrose, Alberta

September 25, 2024

To Whom It May Concern;

Re: Compost Spreading on NE 9 – 48 -21 – W4th by 1927127 Alberta Ltd. o/a Sunworks Farm

I am the registered owner of the NE 9 – 48 – 21 – W4th.

This letter confirms that 1927127 Alberta Ltd. o/a Sunworks Farm is given permission to spread manure compost from their barns on my land, located at NE 9-48-21-Wth.

Sincerely,



Cliff Drever

1426705 Ab Ltd

AO Note, applicant has confirmed that this company is the same as what was described as Prairie Land & Cattle on the previous page

Alen Kurtz



September 25, 2024

To Whom It May Concern;

Re: Compost Spreading on SE 4 - 48 - 21 - W4th by 1927127 Alberta Ltd. o/a Sunworks Farm

I am the registered owner of the SE 4 - 48 - 21 - W4th.

This letter confirms that 1927127 Alberta Ltd. o/a Sunworks Farm is given permission to spread manure compost from their barns on my land, located at SE 4-48-21-Wth.

Sincerely,



Alen Kurtz

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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	RA24022
Pullet barn	Low	Low	RA24022

ERST for **existing** facilities

Facility	Groundwater score	Surface water score	File number
2004 broiler barn	low	low	RA24022
all other facilities are presumed to be lower risk than this barn, see DS comments			

ERST related comments:

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NRCB USE ONLY
WATER WELL AND SURFACE WATER INFORMATION

Well IDs: 1030183 2029756 2029762 (observation)
New 2024 well 2, 1950s wells

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 **No water wells within 100 m of proposed;**
 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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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: 216 m Category 2: 289 m Category 3: 361 m Category 4: 577 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: 151 acres

Land base listed: 400 ac

Area not suitable: 60 ac

Available area: 340 ac

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 RA08044

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NRCB USE ONLY

ALL SIGNATURES IN FILE YES NO

DATES OF APPROVAL OFFICER SITE VISITS

November 25, 2024	

CORRESPONDENCE WITH MUNICIPALITIES AND REFERRAL AGENCIES

Date deeming letters sent: October 8, 2024

Municipality: Camrose 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

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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.** Layer Barn
2. Pollet Barn

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.	226'4"	x 40'	0	Adequate storage
2.	140'	20'	0	Adequate storage
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
Indoor Facilities

Liner protection

Describe how the physical integrity of the liner will be maintained
- Repair Cracks in Concrete Liner

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>High Sulphate Blend Concrete Type 50</u>
Concrete strength <u>Type 50 25.5 mPA (28 day)</u>	Concrete reinforcement size and spacing <u>2 Foot Centre 10 mm Rebar</u>

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 <input type="checkbox"/> YES <input checked="" type="checkbox"/> YES With STMS <input type="checkbox"/> NO	
Depth to water table: <u>> 1 m</u>	Requirements met: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Depth to Uppermost groundwater resource: <u>62.48 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	
A condition will be added requiring applicant to provide proof that concrete liner meets our technical guidelines	
Leakage detection system required: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If yes, please explain why.	