

Technical Document LA24040

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 LA24040	Legal land description SE 22-10-14 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.

September 12, 2024
 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)
2 Broiler Barns	120m x 18m each Barn

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

Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
3 hog finisher Barns	63m x 27.5 x 1m deep each	Confirmed during site visit
liquid manure 2 lagoons	130m x 35m x 7m deep	

NRCB USE ONLY

AO Comment: CFO is currently permitted under Development Permit 14-97.

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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 Barn 1 - mid 2025

Additional information

Barn 2 dependant on market conditions.
 Hopefully over winter of 25/26 or 26/27.

AO Comment: See attached letter on page 22 for request to amend Municipal Development Permit conditions. See pages 23-25 for Municipal Development Permit 14-97.

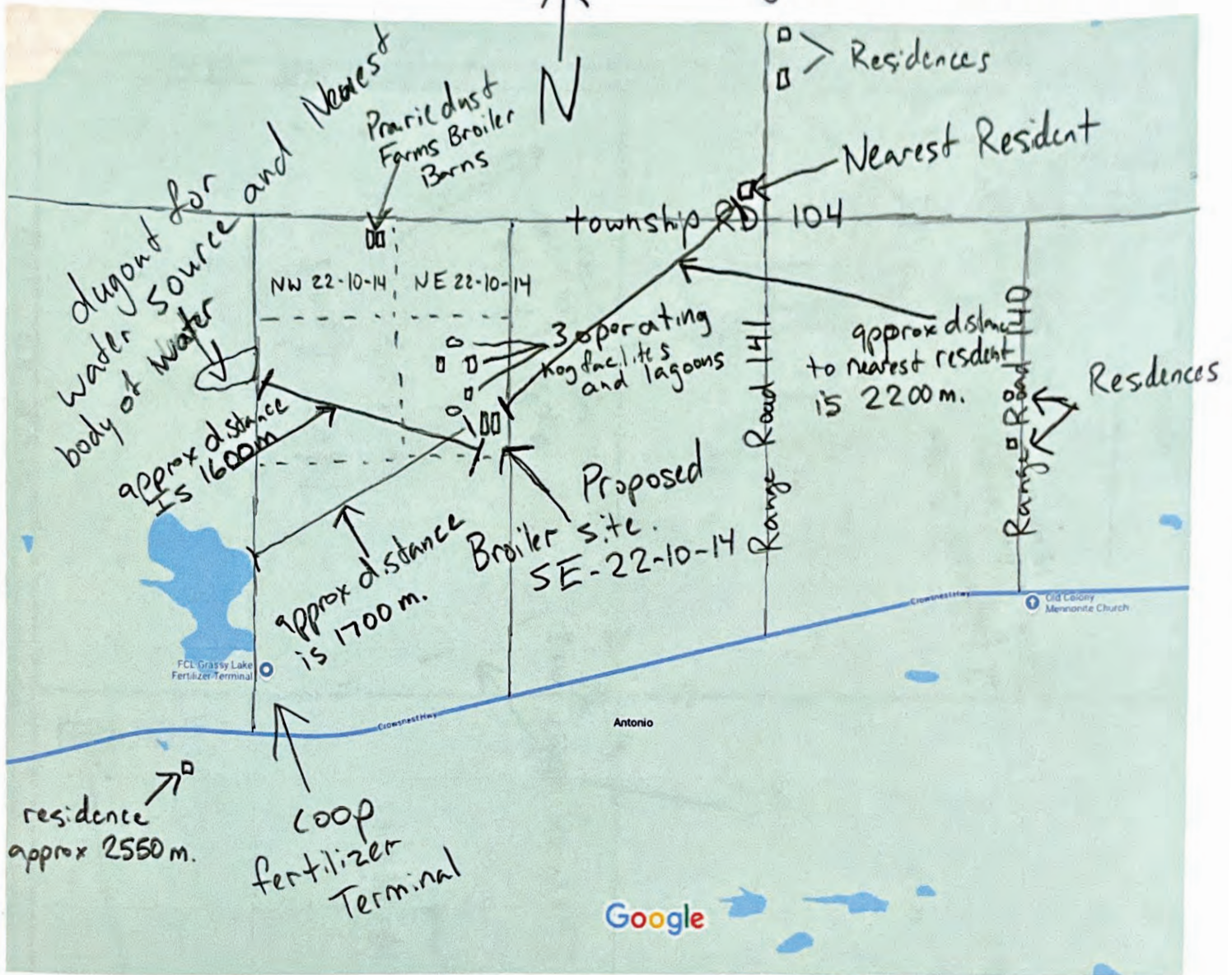
Livestock numbers: Complete only if livestock numbers are different from what was identified in the Part 1 application. Note: if livestock numbers increase in your Part 2 application, a new Part 1 application must be submitted which may result in a loss of priority for minimum distance separation (MDS).

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
Broilers Barn 1	0 37,500	37,500	
Barn 2	0 37,500	37,500	75,000
Hog finishers Barn 1	2000	NA	
Barn 2	2000	NA	6000
Barn 3	2000	NA	
AO Comment: Applicant has indicated that they are applying to increase livestock numbers at this site by 75,000 chicken broilers, rather than 80,000 chicken broilers as proposed in Part 1 of this application. Swine numbers are not changing. "Hog finishers" are the same as "swine feeders" as outlined in AOPA Part 2 Matters Regulation.			

Sunset Feeders Ltd.
Figure 1 LA 24040

2024-09-12, 9:32 AM

Google Maps

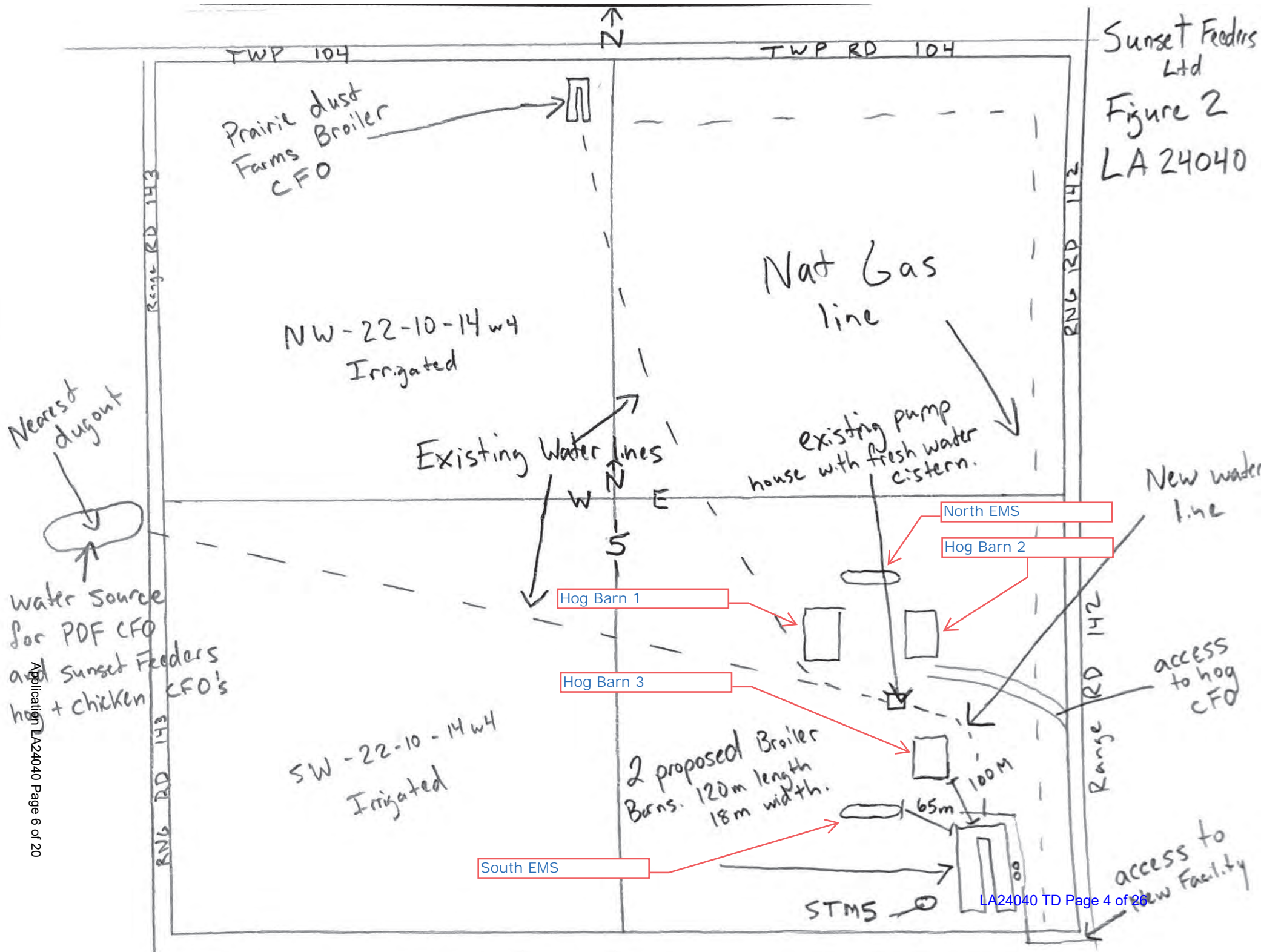


Google

Map data ©2024 Google 500 m

- proposed site - SE 22-10-14
- distance to nearest body of water - 1600m
- 2nd closest water - 1700m
- d.istance to closest residence - 2200m

Barns will clean out to the south. from the South end of barns, land will flow slightly west and be contained in its own dryland quarter.



Nearest dugout

Water source for PDF CFO and Sunset Feeders hog + chicken CFO's

Prairie dust Farms CFO
Broiler

NW-22-10-14 w4
Irrigated

SW-22-10-14 w4
Irrigated

Existing Water lines

Nat Gas line

existing pump house with fresh water cistern.

Hog Barn 1

Hog Barn 3

North EMS

Hog Barn 2

South EMS

2 proposed Broiler Barns. 120m length 18m width.

STMS

New water line

access to hog CFO

access to New Facility

Range RD 143

Range RD 143

Range RD 142

Range RD 142

TWP 104



TWP RD 104

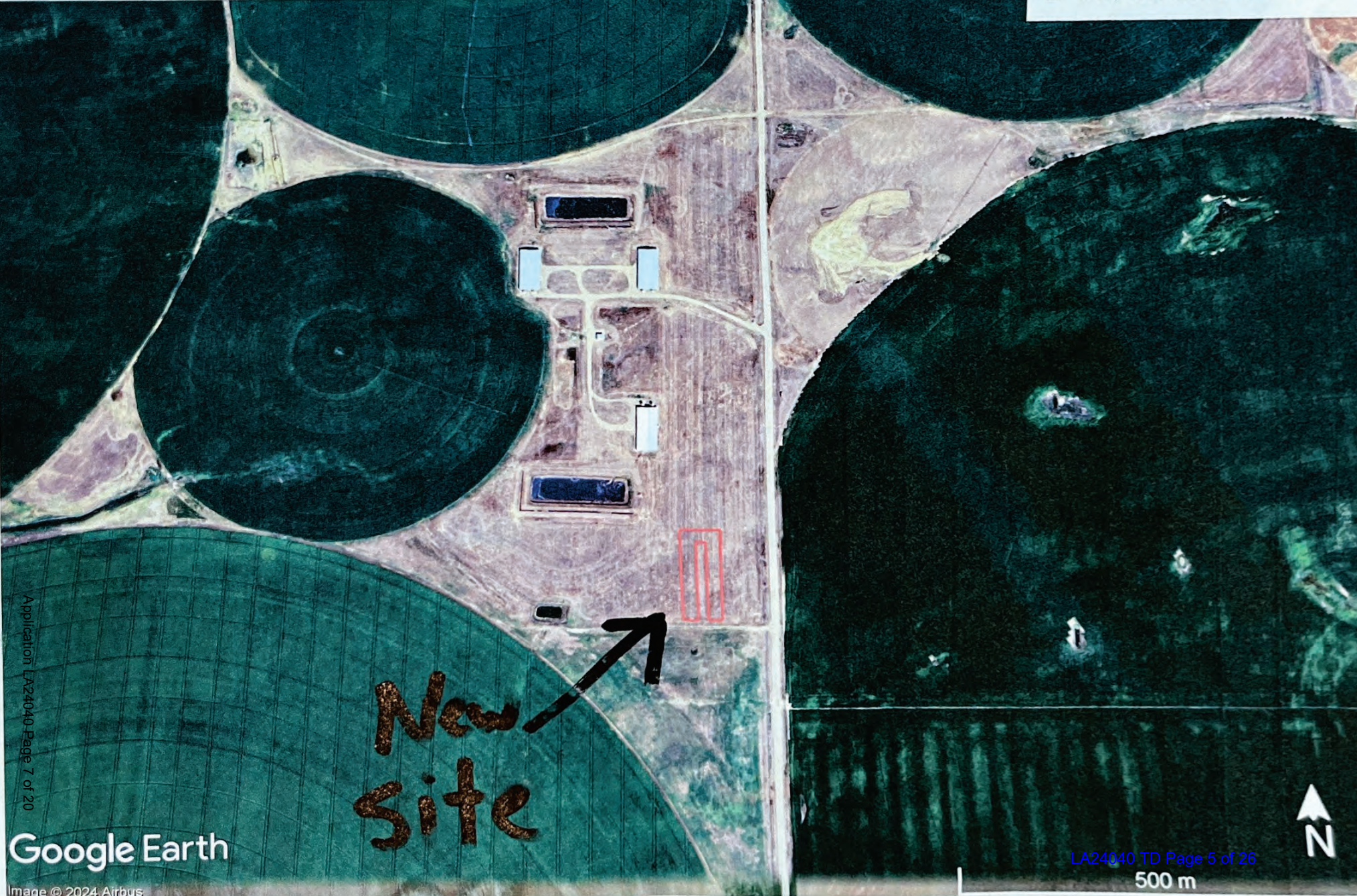


New Broiler site, SE 22-10-14

Red outline of 2 * 120M * 18M Broiler barns located in the south east corner of quarter

Legend

-  East edge
-  Proposed New Broiler Barns



New Site

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Google Earth

Image © 2024 Airbus

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500 m



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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 11 day of September, 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

Water

Application # 24040

I am currently working with SMRID
to increase my water conveyance agreement
to support this application. When I have
received confirmation I will forward on.

Keith Ypma

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NRCB USE ONLY

WATER WELL AND SURFACE WATER INFORMATION

Well IDs: No water wells on site

Well ID# 203474 (only used for determining UGR, not located on site)

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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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: Sunset Feeders hog Barns.

Proposed 1: Barn 1 - Broker Barn

Proposed 2: Sunset Feeders Broker 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 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 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 with site visit
	Surface water information	How many springs are within 100 m of the manure storage facility or manure collection area?	0	0	0	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	Confirmed with site visit
	How many water wells are within 100 m of the manure storage facility or manure collection area?	0	0	0	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	No water wells on site	
	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	1600 m	1600 m	1600 m	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	>1 km to unnamed lake	
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	3.8 m from drilling reports provided in Development Permit 14-97	
	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 to UGR in Well ID# 203474	

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

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



Water Well Drilling Report

[View in Imperial](#) [Export to Excel](#)

GIC Well ID 203474
 GoA Well Tag No.
 Drilling Company Well ID
 Date Report Received 1937/09/09

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

GOWN ID

Well Identification and Location										Measurement in Metric	
Owner Name SEVIOR, A.		Address GRASSY LAKE			Town		Province		Country		Postal Code
Location	<i>1/4 or LSD</i>	<i>SEC</i>	<i>TWP</i>	<i>RGE</i>	<i>W of MER</i>	<i>Lot</i>	<i>Block</i>	<i>Plan</i>	<i>Additional Description</i>		
	NE	22	10	14	4						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
_____ m from _____					Latitude <u>49.840232</u>		Longitude <u>-111.816656</u>		Elevation <u>792.48</u> m		
_____ m from _____					How Location Obtained					How Elevation Obtained	
					Map					Estimated	

Drilling Information	
Method of Drilling Hand Dug Proposed Well Use Domestic & Stock	Type of Work Federal Well Survey

Formation Log			Measurement in Metric
Depth from ground level (m)	Water Bearing	Lithology Description	
12.19		Sticky Clay	
24.08		Sand	
24.38		Coal	

Yield Test Summary			Measurement in Metric
<i>Recommended Pump Rate</i> <u>0.00</u> L/min			
<i>Test Date</i>	<i>Water Removal Rate (L/min)</i>	<i>Static Water Level (m)</i>	
1937/09/09		19.81	

Well Completion				Measurement in Metric
<i>Total Depth Drilled</i>	<i>Finished Well Depth</i>	<i>Start Date</i>	<i>End Date</i>	
24.38 m			1915/01/01	
Borehole				
<i>Diameter (cm)</i>	<i>From (m)</i>	<i>To (m)</i>		
0.00	0.00	24.38		
Surface Casing (if applicable)		Well Casing/Liner		
Unknown				
<i>Size OD :</i> <u>60.96</u> cm		<i>Size OD :</i> <u>0.00</u> cm		
<i>Wall Thickness :</i> <u>0.000</u> cm		<i>Wall Thickness :</i> <u>0.000</u> cm		
<i>Bottom at :</i> <u>0.00</u> m		<i>Top at :</i> <u>0.00</u> m		
		<i>Bottom at :</i> <u>0.00</u> m		
Perforations				
From (m)	To (m)	Diameter or Slot Width (cm)	Slot Length (cm)	Hole or Slot Interval(cm)
<i>Perforated by</i>				
Annular Seal				
<i>Placed from</i> <u>0.00</u> m to <u>0.00</u> m				
<i>Amount</i> _____				
Other Seals				
<i>Type</i>			<i>At (m)</i>	
Screen Type				
<i>Size OD :</i> <u>0.00</u> cm				
<i>From (m)</i>	<i>To (m)</i>	<i>Slot Size (cm)</i>		
<i>Attachment</i> _____				
<i>Top Fittings</i> _____		<i>Bottom Fittings</i> _____		
Pack				
<i>Type</i> _____		<i>Grain Size</i> _____		
<i>Amount</i> _____				

Contractor Certification	
<i>Name of Journeyman responsible for drilling/construction of well</i> UNKNOWN NA DRILLER	<i>Certification No</i> 1
<i>Company Name</i> UNKNOWN DRILLER	<i>Copy of Well report provided to owner</i> <i>Date approval holder signed</i>



Water Well Drilling Report

[View in Imperial](#) [Export to Excel](#)

GIC Well ID 203474
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1937/09/09

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

GOWN ID

Well Identification and Location										Measurement in Metric	
Owner Name SEVIOR, A.		Address GRASSY LAKE			Town		Province		Country		Postal Code
Location	1/4 or LSD NE	SEC 22	TWP 10	RGE 14	W of MER 4	Lot	Block	Plan	Additional Description		
Measured from Boundary of _____ m from _____ _____ m from _____					GPS Coordinates in Decimal Degrees (NAD 83) Latitude <u>49.840232</u> Longitude <u>-111.816656</u> How Location Obtained _____ Map _____					Elevation <u>792.48 m</u> How Elevation Obtained _____ Estimated	

Additional Information										Measurement in Metric
Distance From Top of Casing to Ground Level _____ cm										
Is Artesian Flow _____ Rate _____ L/min					Is Flow Control Installed _____ Describe _____					
Recommended Pump Rate _____ 0.00 L/min					Pump Installed _____		Depth _____ m			
Recommended Pump Intake Depth (From TOC) _____ 0.00 m					Type _____		Make _____		H.P. _____ Model (Output Rating) _____	
Did you Encounter Saline Water (>4000 ppm TDS) _____					Depth _____ m		Well Disinfected Upon Completion _____			
Remedial Action Taken _____					Gas _____		Depth _____ m		Geophysical Log Taken _____ Submitted to ESRD _____	
Additional Comments on Well OWNER REPORTS CLEAR, SODA WATER @52F					Sample Collected for Potability _____			Submitted to ESRD _____		

Yield Test			Taken From Ground Level	Measurement in Metric	
			Depth to water level		
Test Date 1937/09/09	Start Time 12:00 AM	Static Water Level 19.81 m	Pumping (m)	Elapsed Time Minutes:Sec	Recovery (m)
Method of Water Removal					
Type <u>Bailer</u>					
Removal Rate _____ L/min					
Depth Withdrawn From <u>0.00 m</u>					
If water removal period was < 2 hours, explain why _____					

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	L	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name UNKNOWN DRILLER	Copy of Well report provided to owner Date approval holder signed

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NRCB USE ONLY
ENVIRONMENTAL RISK SCREENING INFORMATION

ERST for **proposed** facilities

Facility	Groundwater score	Surface water score	File number
Broiler Barn 1	Low	Low	LA24040
Broiler Barn 2	Low	Low	LA24040

ERST for **existing** facilities

Facility	Groundwater score	Surface water score	File number
North EMS	Low	Low	LA24040
South EMS	Low	Low	LA24040
Hog Barn 1	Low	Low	LA24040
Hog Barn 2	Low	Low	LA24040
Hog Barn 3	Low	Low	LA24040

ERST related comments:

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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
Andrew Forsius	SE-24-10-14	3200m	RA	1	>3200 m	N/A	Yes
Dale Ypma	SE-26-10-14	2200m	RA	1	>2000 m	N/A	Yes
← Brother/part of applicants							
AO Comment: "RA" is "Rural Agricultural" as per MD of Taber Land Use Bylaw No. 1722.							

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)
Prairie dust Farms Ltd	27-10-14	259 ha	irrigated	220.5 ha	Yes
Prairie dust Farms Ltd	26-10-14	259 ha	irrigated	227.4 ha	Yes
Prairie dust Farms Ltd	S/2 35-10-14	129 ha	irrigated	102 ha	Yes
Sunset Feeders Ltd	SW 16-10-14	90 ha	irrigated	49.3 ha	
Sunset Feeders Ltd	SW 21-10-14	80 ha	irrigated	80 ha	
Total				542.3 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 Comment: 136.9 ha is required for Prairie Dust Farms CFO and has been removed as usable area for this application.

Last updated: 31 Mar 2020	Page ___ of ___
NRCB USE ONLY	

I Keith Ypma owner of Prairie Dust Farms Ltd agree
Sunset Feeders Ltd.
to using our land for the purpose of spreading chicken and

hog manure on it. The land we are proposing is:

sec 27-10-14 w4	259 ha	irrigated
sec 26-10-14 w4	259 ha	irrigated
S 1/2 35-10-14 w4	129 ha	irrigated
E 1/2 36-10-14 w4	137 ha	irrigated.


This agreement is continuing as long as each company owns and operates
this land.



Keith Ypma

Prairie Dust Farms Ltd

September 13, 2024
LA 24040



Keith Ypma

Sunset Feeders Ltd

September 13, 2024

Name **Sunset Feeders Ltd.**
 Address **[Redacted]**
 Legal Land **[Redacted]**
 Location **SE 22-10-14 W4**

MDS Spreadsheet based on 2006 AOPA Regulations

Category of Livestock	Type of Livestock	Factor A	Technology Factor	MU	LSU Factor	Number of Animals	LSU
Feedlot Animals	Beef Cows/Finishers (900+ lbs)	0.700	0.700	0.910	0.4459		-
	Beef Feeders (450 - 900 lbs)	0.700	0.700	0.500	0.2450		-
	Beef Feeder Calves (<550 lbs)	0.700	0.700	0.275	0.1348		-
	Horses - PMU	0.650	0.700	1.000	0.4550		-
	Horses - Feeders > 750 lbs	0.650	0.700	1.000	0.4550		-
	Horses - Foals < 750 lbs	0.650	0.700	0.300	0.1365		-
	Mules	0.600	0.700	1.000	0.4200		-
	Donkeys	0.600	0.700	0.670	0.2814		-
	Bison	0.600	0.700	1.000	0.4200		-
	Other						-
Dairy (*count lactating cows only)	Free Stall – Lactating Cows with all associated dries, heifers, and calves*	0.800	1.100	2.000	1.7600		-
	Free Stall – Lactating Cows with Dry Cows only*	0.800	1.100	1.640	1.4432		-
	Free Stall – Lactating Cows only	0.800	1.100	1.400	1.2320		-
	Tie Stall – Lactating Cows only	0.800	1.000	1.400	1.1200		-
	Loose Housing – Lactating Cows only	0.800	1.000	1.400	1.1200		-
	Dry Cow	0.800	0.700	1.000	0.5600		-
	Replacements – Bred Heifers (Breeding to Calving)	0.800	0.700	0.875	0.4900		-
	Replacements - Growing Heifers (350 lbs to breeding)	0.800	0.700	0.525	0.2940		-
	Calves (< 350 lbs)	0.800	0.700	0.200	0.1120		-
	Other						-
Swine Liquid (*count sows only)	Farrow to finish *	2.000	1.100	1.780	3.9160		-
	Farrow to wean *	2.000	1.100	0.670	1.4740		-
	Farrow only *	2.000	1.100	0.530	1.1660		-
	Feeders/Boars	2.000	1.100	0.200	0.4400	6,000	2,640.0
	Growers/Roasters	2.000	1.100	0.118	0.2600		-
	Weaners	2.000	1.100	0.055	0.1210		-
		Other					
Swine Solid (*Count sows only)	Farrow to finish *	2.000	0.800	1.780	2.8480		-
	Farrow to wean *	2.000	0.800	0.670	1.0720		-
	Farrow only *	2.000	0.800	0.530	0.8480		-
	Feeders/Boars	2.000	0.800	0.200	0.3200		-
	Growers/Roasters	2.000	0.800	0.118	0.1888		-
	Weaners	2.000	0.800	0.055	0.0880		-
		Other					
Poultry	Chicken - Breeders - Solid	1.000	0.700	0.010	0.0070		-
	Chicken - Layers - Liquid (includes associated pullets)	2.000	1.100	0.008	0.0176		-
	Chicken - Layers - (Belt Cage)	2.000	0.700	0.008	0.0112		-
	Chicken - Layers - (Deep Pit)	2.000	0.700	0.008	0.0112		-
	Chicken - Pullets/Broilers	1.000	0.700	0.002	0.0014	75,000	105.0
	Turkey - Toms/Breeders	1.000	0.700	0.020	0.0140		-
	Turkey - Hens (light)	1.000	0.700	0.013	0.0091		-
	Turkey - Broilers	1.000	0.700	0.010	0.0070		-
	Ducks	1.000	0.700	0.010	0.0070		-
	Geese	1.000	0.700	0.020	0.0140		-
		Other					
Sheep and Goats	Sheep - Ewes/Rams	0.600	0.700	0.200	0.0840		-
	Sheep - Ewes with lambs	0.600	0.700	0.250	0.1050		-
	Sheep - Lambs	0.600	0.700	0.050	0.0210		-
	Sheep - Feeders	0.600	0.700	0.100	0.0420		-
	Goats - Meat/Milk (per Ewe)	0.700	0.700	0.170	0.0833		-
	Goats - Nannies/Billies	0.700	0.700	0.140	0.0686		-
	Goats - Feeders	0.700	0.700	0.077	0.0377		-
		Other					
Cervid	Elk	0.600	0.700	0.600	0.2520		-
	Deer	0.600	0.700	0.200	0.0840		-
		Other					
Wild Boar	Feeders	2.000	0.800	0.140	0.2240		-
	Sow (farrowing)	2.000	0.800	0.371	0.5936		-
		Other					
Total							2,745.0

For New Operations

Dispersion Factor **1**

Category	Odour Objective	Distance	
		Feet	Metres
1	41.04	2,422	738
2	54.72	3,230	984
3	68.4	4,037	1,231
4	109.44	6,460	1,969

For Expanding Operations

Dispersion Factor **1**
 Expansion Factor **0.77**

Category	Odour Objective	Distance	
		Feet	Metres
1	41.04	1,865	569
2	54.72	2,487	758
3	68.40	3,109	948
4	109.44	4,974	1,516

Name Sunset Feeders Ltd.
 Address 0
 Legal Land
 Location SE 22-10-14 W4

Landbase Requirements (hectares) based on 2006 AOPA requirements

Category of Livestock	Type of Livestock	Number of Animals	Dark Brown & Brown (ha)	Grey Wooded (ha)	Black (ha)	Irrigated (ha)
Feedlot Animals	Cows/Finishers (900+ lbs)	0.0	0.0	0.0	0.0	0.0
	Feeders (450 - 900 lbs)	0.0	0.0	0.0	0.0	0.0
	Feeder Calves (<550 lbs)	0.0	0.0	0.0	0.0	0.0
	Horses - PMU	0.0	0.0	0.0	0.0	0.0
	Horses - Feeders > 750 lbs	0.0	0.0	0.0	0.0	0.0
	Horses - Foals < 750 lbs	0.0	0.0	0.0	0.0	0.0
	Mules	0.0	0.0	0.0	0.0	0.0
	Donkeys	0.0	0.0	0.0	0.0	0.0
	Bison	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
Dairy (*count lactating cows only)	Free Stall – Lactating Cows with all associated dries, heifers, and calves*	0.0	0.0	0.0	0.0	0.0
	Free Stall – Lactating Cows with Dry Cows only *	0.0	0.0	0.0	0.0	0.0
	Free Stall – Lactating Cows only*	0.0	0.0	0.0	0.0	0.0
	Tie Stall – Lactating Cows only	0.0	0.0	0.0	0.0	0.0
	Loose Housing – Lactating Cows only	0.0	0.0	0.0	0.0	0.0
	Dry Cow (Solid manure)	0.0	0.0	0.0	0.0	0.0
	Dry Cow (Liquid manure)	0.0	0.0	0.0	0.0	0.0
	Replacements – Bred Heifers (Breeding to Calving)	0.0	0.0	0.0	0.0	0.0
	Replacements - Growing Heifers (350 lbs to breeding)	0.0	0.0	0.0	0.0	0.0
	Calves (< 350 lbs)	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
Swine Liquid (*count sows only)	Farrow to finish *	0.0	0.0	0.0	0.0	0.0
	Farrow to wean *	0.0	0.0	0.0	0.0	0.0
	Farrow only *	0.0	0.0	0.0	0.0	0.0
	Feeders/Boars	6000.0	432.0	360.0	270.0	216.0
	Growers/Roasters	0.0	0.0	0.0	0.0	0.0
	Weaners	0.0	0.0	0.0	0.0	0.0
		Other	0.0			
Swine Solid (*Count sows only)	Farrow to finish *	0.0	0.0	0.0	0.0	0.0
	Farrow to wean *	0.0	0.0	0.0	0.0	0.0
	Farrow only *	0.0	0.0	0.0	0.0	0.0
	Feeders/Boars	0.0	0.0	0.0	0.0	0.0
	Growers/Roasters	0.0	0.0	0.0	0.0	0.0
	Weaners	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
Poultry	Chicken - Breeders - Solid	0.0	0.0	0.0	0.0	0.0
	Chicken - Layers - Liquid (includes associated pullets)	0.0	0.0	0.0	0.0	0.0
	Chicken - Layers - (Belt Cage)	0.0	0.0	0.0	0.0	0.0
	Chicken - Layers - (Deep Pit)	0.0	0.0	0.0	0.0	0.0
	Chicken - Pullets/Broilers	75000.0	243.8	203.3	152.3	122.3
	Turkey - Toms/Breeders	0.0	0.0	0.0	0.0	0.0
	Turkey - Hens (light)	0.0	0.0	0.0	0.0	0.0
	Turkey - Broilers	0.0	0.0	0.0	0.0	0.0
	Ducks	0.0	0.0	0.0	0.0	0.0
	Geese	0.0	0.0	0.0	0.0	0.0
		Other	0.0			
Goats and Sheep	Sheep - Ewes/Rams	0.0	0.0	0.0	0.0	0.0
	Sheep - Ewes with lambs	0.0	0.0	0.0	0.0	0.0
	Sheep - Lambs	0.0	0.0	0.0	0.0	0.0
	Sheep - Feeders	0.0	0.0	0.0	0.0	0.0
	Goats - Meat/Milk (per Ewe)	0.0	0.0	0.0	0.0	0.0
	Goats - Nannies/Billies	0.0	0.0	0.0	0.0	0.0
	Goats - Feeders	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
Cervid	Elk	0.0	0.0	0.0	0.0	0.0
	Deer	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
Wild Boar	Feeders	0.0	0.0	0.0	0.0	0.0
	Sow (farrowing)	0.0	0.0	0.0	0.0	0.0
		Other	0.0			
Total Hectares			676	563.3	422.3	338.3
Total Acres			1,670	1391.8	1043.4	835.8

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 Pro

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

Requirements (m): Category 1: 738 Category 2: 984 Category 3: 1,231 Category 4: 1,969

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: 338.3 ha irrigated

Land base listed: 817 ha irrigated

Area not suitable: 274.7 ha irrigated

Available area 542.3 ha irrigated 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. Sunset Feeders Ltd Poultry Barn 1
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	18m	0	
2.	120 M	18m	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

Buildings will have roofs on them to control runoff.

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

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 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)

NRCB USE ONLY

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

Depth to water table: 3.8 m below grade Requirements met: YES NO

Depth to Uppermost groundwater resource: 19.81 m below grade Requirements met: YES NO

ERST completed: see ERST page for details

Surface water control systems

Requirements met: YES NO Details/comments:

Concrete liner details

A condition is included in this permit requiring the applicant to provide proof that the constructed concrete liner will meet the specifications for category D (solid manure - dry) as outlined 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.

Liquid Manure Storage Volume Calculator

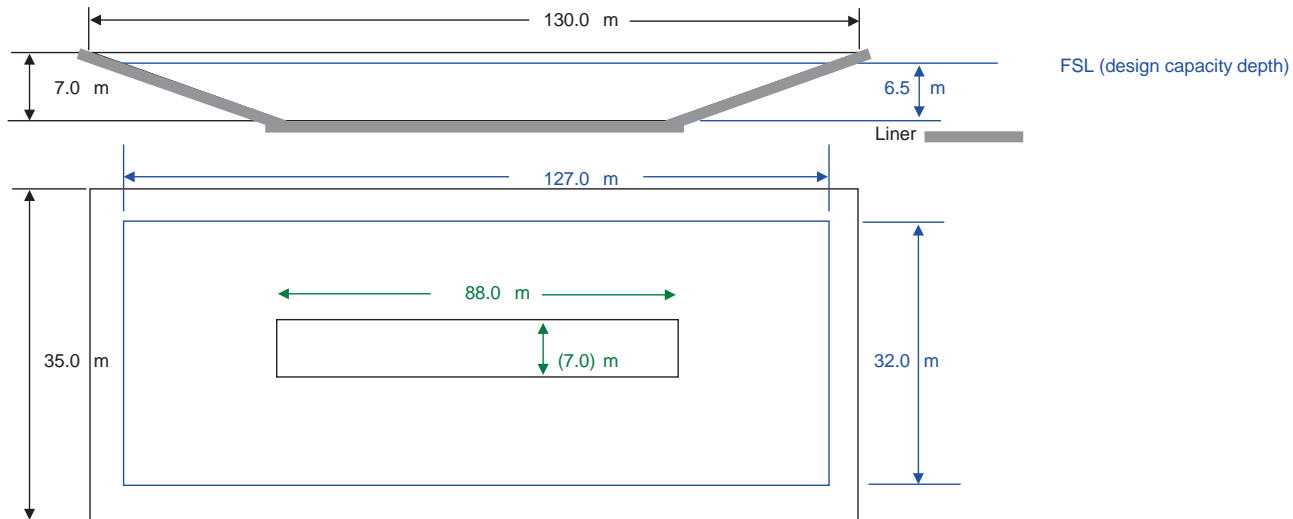
North EMS

Construction Dimensions of Liquid Manure Storage	
* Only cells in blue can be changed.	
Overall Dimensions of Liquid Manure Storage	
Total Length* ₄	130.0 m
Total Width* ₄	35.0 m
Total Depth* ₄	7.0 m
Design Capacity Depth	6.50 m
End Slope* ₄	3 run:rise
Side Slope* ₄	3 run:rise
Length of Bottom	88.0 m
Width of Bottom	(7.0) m
Total Capacity @ top of Bank	11,711 m ³
Liquid MS Dimensions	
	427 ft
	115 ft
	23 ft
	21 ft
	3 run:rise
	3 run:rise
	3 run:rise
	289 ft
	-23 ft
Total Capacity (@top)	413,570 ft ³
	2,576,059 Imp. Gal.
Design Capacity of Liquid Manure Storage (freeboard level)	
Length (design capacity depth)	127.0 m
Width (design capacity depth)	32.0 m
Total Depth	7.0 m
Design Capacity Depth	6.50 m
End Slope	3 run:rise
Side Slope	3 run:rise
Design Capacity (freeboard level)	9,558 m ³
Level	4,064 m ²
Design Capacity (freeboard level)	
	417 ft
	105 ft
	23 ft
	21 ft
	3 run:rise
	3 run:rise
	337,546 ft ³
	2,102,520 Imp. Gal.
	43,745 ft ²

CFO Name ₁	Sunset Feeders Ltd.	
Land Location ₁	SE 22-10-14 W4	
Type(s) of Livestock ₂	Number of Livestock	Annual Manure Production (m ³ /hd)
Swine: Feeders / Boars	6000	2.6
N/A	0	0.0
N/A	0	0.0
N/A	0	0.0
Total manure Production (m³/yr)		

Minimum 9 Month Liquid Manure Storage Volume Required	
11,700 m³**	413,182 ft³
	2,573,639 Imp. Gal.

** Design capacity of liquid manure storage should be equal to, or greater than, minimum 9 month liquid manure storage volume required.



— Lines in Black - Overall liquid manure storage dimensions
 — Lines in Blue - Design capacity depth dimensions (excludes freeboard)

NTS - Not To Scale

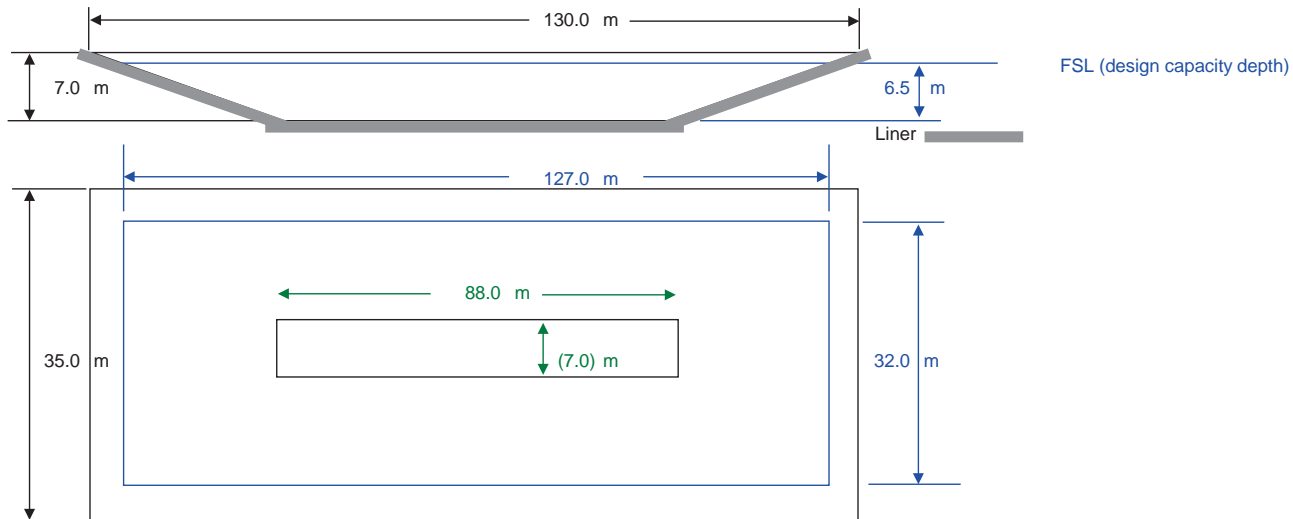
Liquid Manure Storage Volume Calculator

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	427 ft
	115 ft
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Design Capacity (freeboard level)	9,558 m ³
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Design Capacity (freeboard level)	
	417 ft
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	2,102,520 Imp. Gal.
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CFO Name ₁	Sunset Feeders Ltd.	
Land Location ₁	SE 22-10-14 W4	
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Swine: Feeders / Boars	6000	2.6
N/A	0	0.0
N/A	0	0.0
N/A	0	0.0
Total manure Production (m³/yr)		

Minimum 9 Month Liquid Manure Storage Volume Required	
11,700 m³**	413,182 ft ³
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— Lines in Black - Overall liquid manure storage dimensions
 — Lines in Blue - Design capacity depth dimensions (excludes freeboard)

NTS - Not To Scale

With regards to application 24040:

September 17, 2024

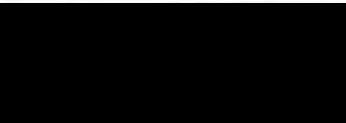
To whom it may concern:

Our past CFO licence for the former Edgebook farm Ltd (14-97) on SE 22-10-14 w4, had some conditions attached to it which would would like to see withdrawn and/or amended if possible when we update to our new CFO licence on this same land title.

Condition 4. This was a condition of testing the ground water. This was done for many years with no change. We were told many years ago from NRCB (over 10), that this was not necessary anymore as the facilities proved to be sufficient. We would like this condition removed.

Conditions 7 and 8. These conditions are dealing with manure spreading and cultivating in the ground. We now hire the manure spreading companies to directly shank and cultivate the liquid manure directly in the ground every year in June after we remove our fall silage crops in the surrounding area. We also own most of the land around the area, so do not have any neighbours that are affected by our manure applications. We would like the weekends amended to allow for Saturdays and Holiday spreading/injecting. We do not work on Sundays, so we are fine with keeping this day from spreading manure.

Than you for your consideration,



Keith Ypma
Sunset Feeders Ltd

MUNICIPAL DISTRICT OF TABER NO. 14
SUBDIVISION AND DEVELOPMENT APPEAL BOARD

Development Application: 14-97

DECISION DATE: May 16, 1997

BEFORE: MUNICIPAL DISTRICT OF TABER NO. 14 SUBDIVISION & DEVELOPMENT APPEAL BOARD

Members: Chairman: Burns Wood
Members: Malcolm Jones
Randy Howg
F. Alden Fletcher
Murray D. Brown

and in the matter of the Municipal Government Act 1994, Chapter M-26.1

and in the matter of Municipal District of Taber No. 14 Land Use Bylaw No. 1650 and amendments thereto

and in the matter of an appeal by: Lee & Donna Turnbull, Box 16, Purple Springs, Alberta T0K 1X0

from a decision of the Subdivision & Development Authority of the Municipal District of Taber No. 14, whereby an application to:

Develop an intensive 8000 hog operation facility on the SE 22-10-14-W4 by Taber Feeds Ltd. of 6015 - 54th Avenue, Taber, Alberta T1G 1X4

in the Municipal District of Taber No. 14 was approved with conditions by the Subdivision and Development Authority.

The said Hearing was held in the M.D. of Taber No. 14 Administration Building, North Board Room, 4900B - 50 Street, Taber, Alberta T1G 1T2 on the 16th day of May, 1997.

UPON HEARING oral representations at the Public Hearing and having regard to Land Use Bylaw No. 1650 and amendments thereto and under the authority vested in the Subdivision and Development Appeal Board pursuant to the Municipal Government Act 1994, Chapter M-26.1, this Board has decided that the appeal be: Denied and the development be approved with revised conditions (as attached).

SUBDIVISION AND DEVELOPMENT APPEAL BOARD


Chairman

CONDITIONS OF APPROVAL

Re: Taber Feeds Ltd.
Application 14-97 - Hog Operation
SE 22-10-14-W4

1. Dead animals to be removed in prompt and acceptable manner. Designated drop off spot not to be visible by public and run-off to be controlled.
2. Manure storage to be a minimum 12 month holding capacity.
3. Lagoons to be lined with a poly/plastic liner. Liner must be at least 20 mil in weight. Joints to be fused together, not simply overlapped. To be done under Engineer's supervision.

Possible alternative: clay lining of lagoons may be approved if certified by an Engineer before construction and following completion of the lagoons.

A completion certificate from an engineer must be given to the M.D. of Taber upon completion.

Design of lagoons must be approved by M.D. of Taber and Alberta Agriculture prior to construction.

4. Ground water monitoring devices must be installed and monitored by qualified personnel with results given to M.D. of Taber on a yearly basis.
5. Inlet pipe to lagoon to be placed at or near bottom of lagoon.
6. Developer to provide the M.D. of Taber letters from area farmers willing to accept manure. Land required is 1500 acres dryland or 800 acres irrigated. These letters to be updated on a yearly basis. These letters must specify legal description of land to be spread on.
7. Manure spreading to be done one time yearly. No manure is to be spread on weekends or holidays.
8. Manure spread on land must be incorporated within 24 hours of spreading on land.
9. All runoff must be contained on developer's property.
10. Flies to be controlled by developer.
11. All buildings to comply with Alberta Labour requirements and must be inspected by accredited inspection agencies.
12. Wind fence to be erected on West and South side of lagoons prior to commencement of operation.

CONDITIONS OF APPROVAL

Re: Taber Feeds Ltd.
Application 14-97 - Hog Operation
SE 22-10-14-W4

1. Dead animals to be removed in prompt and acceptable manner. Designated drop off spot not to be visible by public and run-off to be controlled.
2. Manure storage to be a minimum 12 month holding capacity.
3. Lagoons to be lined with a poly/plastic liner. Liner must be at least 20 mil in weight. Joints to be fused together, not simply overlapped. To be done under Engineer's supervision.

Possible alternative: clay lining of lagoons may be approved if certified by an Engineer before construction and following completion of the lagoons.

A completion certificate from an engineer must be given to the M.D. of Taber upon completion.

Design of lagoons must be approved by M.D. of Taber and Alberta Agriculture prior to construction.
4. Ground water monitoring devices must be installed and monitored by qualified personnel with results given to M.D. of Taber on a yearly basis.
5. Inlet pipe to lagoon to be placed at or near bottom of lagoon.
6. Developer to provide the M.D. of Taber letters from area farmers willing to accept manure. Land required is 1500 acres dryland or 800 acres irrigated. These letters to be updated on a yearly basis. These letters must specify legal description of land to be spread on.
7. Manure spreading to be done one time yearly. No manure is to be spread on weekends or holidays, and the M.D. of Taber must be notified when spreading is to be done.
8. Manure spread on land must be incorporated within 24 hours of spreading on land and shanking of manure will be at the discretion of the M.D. of Taber Council.
9. All runoff must be contained on developer's property.
10. Flies to be controlled by developer.
11. All buildings to comply with Alberta Labour requirements and must be inspected by accredited inspection agencies.
12. Wind fence to be erected on West and South side of lagoons prior to commencement of operation.
13. Proper methods to be applied to minimize odor whether it be chemical or the latest technology.

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

September 11, 2024	

CORRESPONDENCE WITH MUNICIPALITIES AND REFERRAL AGENCIES

Date deeming letters sent: October 2, 2024

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: Forty Mile Gas Coop Ltd. N/A

letter sent response received written/email verbal no comments received

Other: St. Mary River Irrigation District N/A

letter sent response received written/email verbal no comments received