

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

☒ Approval ☐ Registration ☐ Authorization
☐ Amendment

Application number

LA24040

Legal land description

NE 19-12-19 W4M

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

Print name

Keith Ypma

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	
liquid manure	each	
2 lagoons	130m x 35m x 7m deep	

NRCB USE ONLY

AO Comment: CFO is currently permitted under MD 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 17 for request to amend Municipal Development Permit conditions. See pages 18-20 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 Finishes 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.			

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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

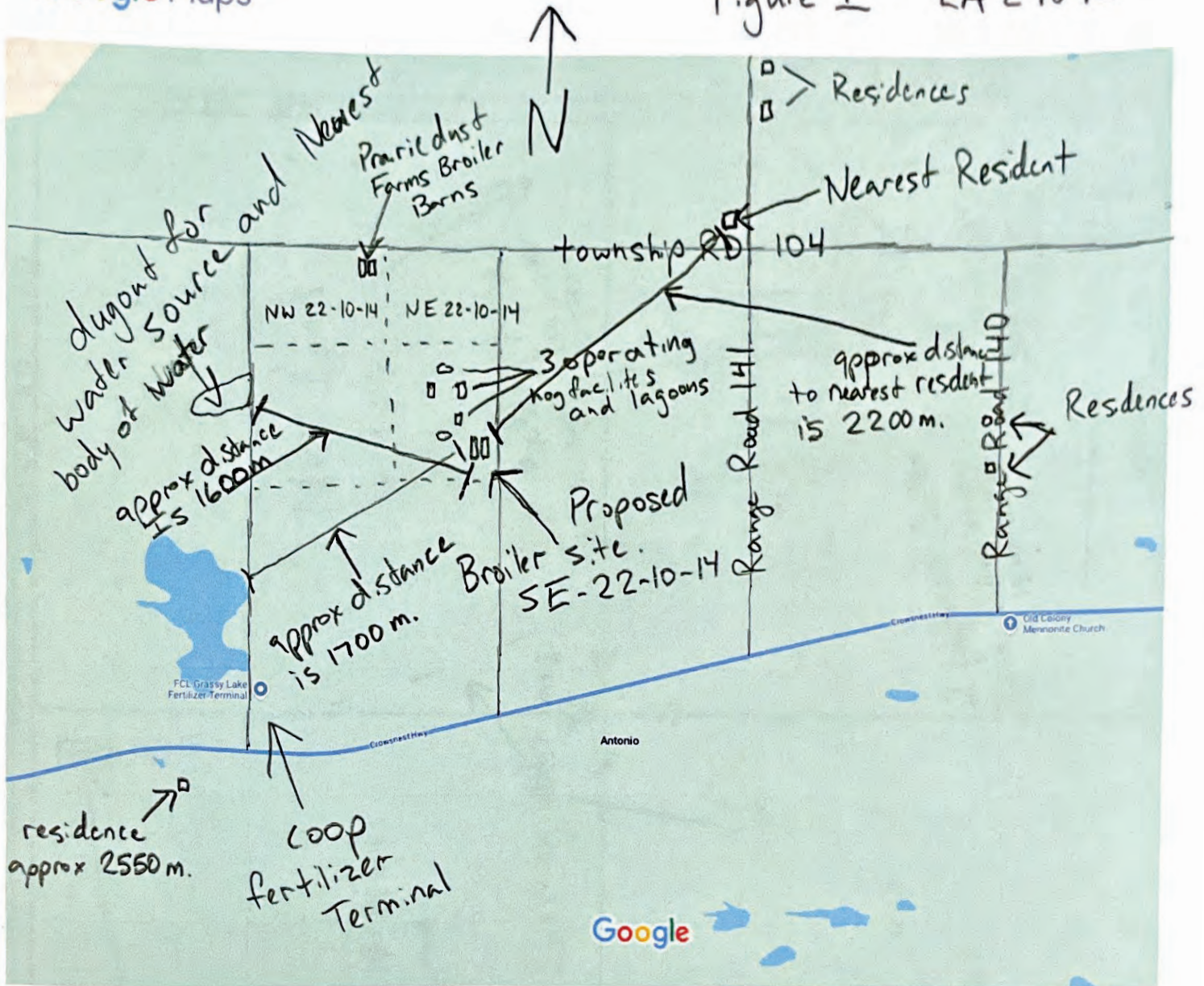
Application # 24040

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

Sunset Feeders Ltd.

Figure 1 LA 24040



proposed site - SE 22-10-14

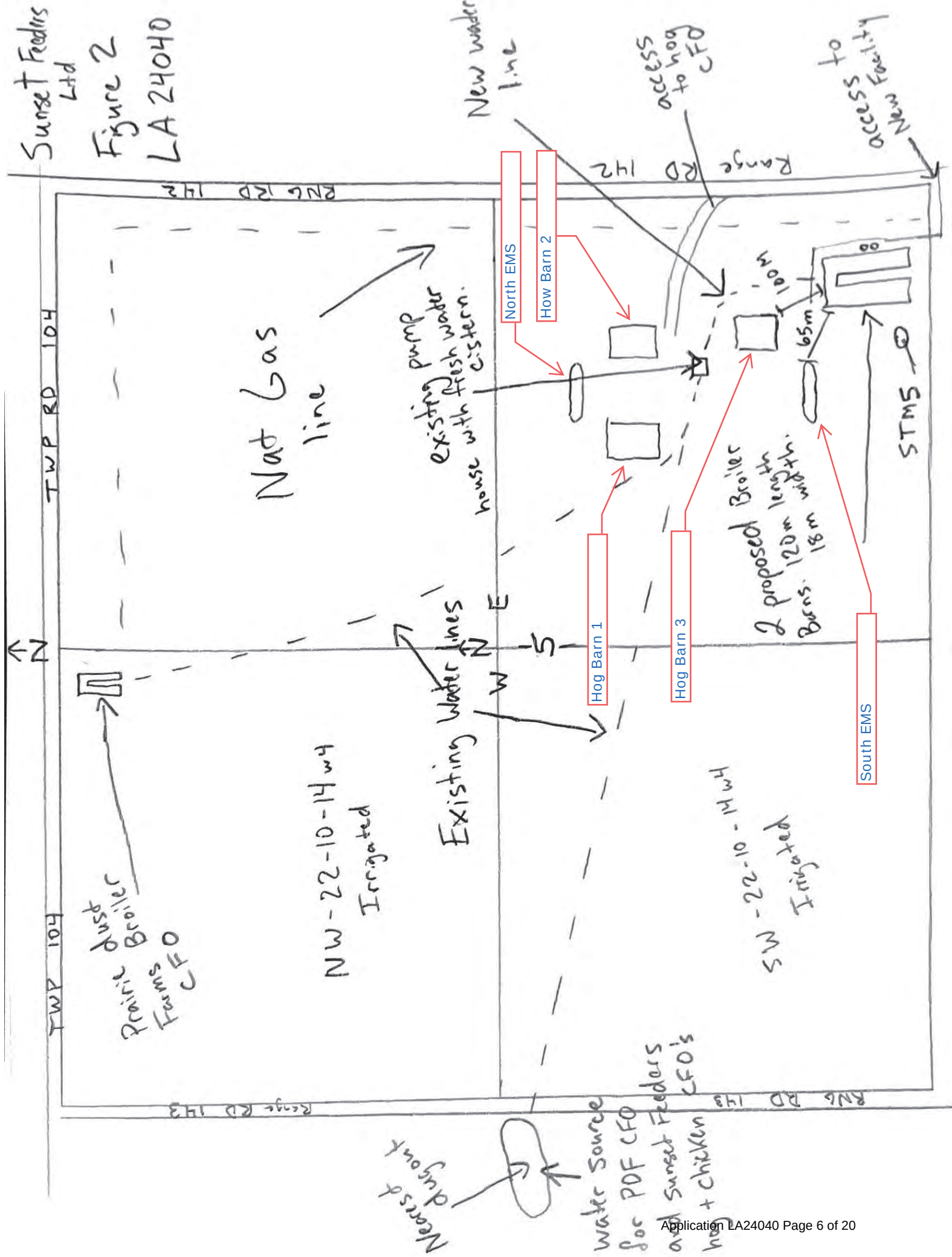
distance to nearest body of water - 1600m

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.

Sunset Feeders Ltd
Figure 2
LA 24040



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

Google Earth

Image © 2024 Airbus

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New Site



500 m



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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): Sunset Feeders hog Bens.

Existing: Sunset Feeders hog Bens.

Proposed 2: Sunset Feeders Broiler barn #2

Proposed 1: Barn 1 - Broiler Barn

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?	☒ > 1 m ☐ ≤ 1 m	☒ > 1 m ☐ ≤ 1 m	☒ > 1 m ☐ ≤ 1 m	☐ > 1 m ☐ ≤ 1 m	☐ YES ☐ NO ☐ YES with exemption	
	How many springs are within 100 m of the manure storage facility or manure collection area?	0	0	0		☐ YES ☐ NO ☐ YES with exemption	
Surface water information	How many water wells are within 100 m of the manure storage facility or manure collection area?	0	0	0		☐ YES ☐ NO ☐ YES with exemption	
	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		☐ YES ☐ NO ☐ YES with exemption	
Groundwater information	What is the depth to the water table?		N/A	N/A		☐ YES ☐ NO ☐ YES with exemption	
	What is the depth to the groundwater resource/aquifer you draw water from?		N/A	N/A		☐ YES ☐ NO ☐ YES with exemption	

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)
Andrew Forsius	SE-24-10-14	3200m				
Dale Ypma	SE-26-10-14	2200m				
Brother/part of applicants						

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		
Prairie dust Farms Ltd	26-10-14	259 ha	irrigated		
Prairie dust Farms Ltd	5 1/2 35-10-14	129 ha	irrigated		
Sunset Feeders Ltd	SW 16-10-14	90 ha	irrigated		
Sunset Feeders Ltd	SW 21-10-14	80 ha	irrigated		
Total					

* 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)

I Keith Ypma owner of Prairie Dust Farms Ltd agree
Sunset Feeders Ltd.
to ^v 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
LA 24040

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

0

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
Swine Liquid (*count sows only)	Other	0.0				
	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
Swine Solid (*Count sows only)	Other	0.0				
	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
Poultry	Other	0.0				
	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
Goats and Sheep	Geese	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
	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
Cervid	Goats - Feeders	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
	Elk	0.0	0.0	0.0	0.0	0.0
Wild Boar	Deer	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
	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
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Total Acres	1,670	1391.8	1043.4	835.8
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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)

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



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)

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: _____ Requirements met: ☐ YES ☐ NO

Depth to Uppermost groundwater resource: _____ Requirements met: ☐ YES ☐ NO

ERST completed: ☐ see ERST page for details

Surface water control systems

Requirements met: ☐ YES ☐ NO Details/comments:

Concrete liner details

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

Last updated: 31 Mar 2020

Page ____ of ____

NRCB USE ONLY

Liquid Manure Storage Volume Calculator

North EMS

Construction Dimensions of Liquid Manure Storage

* Only cells in blue can be changed.

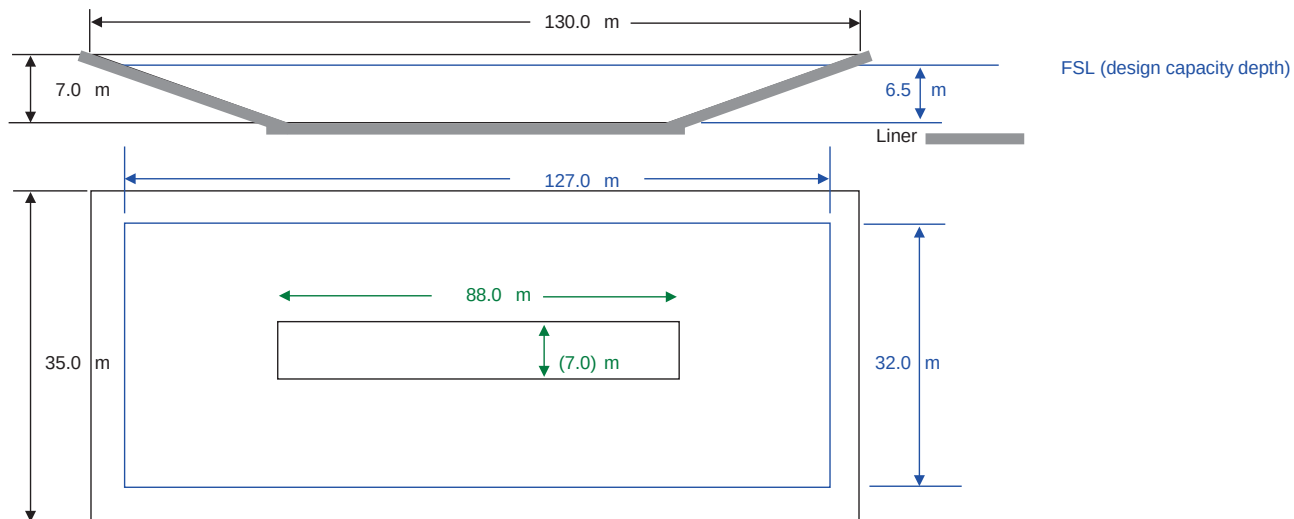
Overall Dimensions of Liquid Manure Storage		Liquid MS Dimensions	
Total Length* ₄	130.0 m	427 ft	
Total Width* ₄	35.0 m	115 ft	
Total Depth* ₄	7.0 m	23 ft	
Design Capacity Depth	6.50 m	21 ft	
End Slope* ₄	3 run:rise	3 run:rise	
Side Slope* ₄	3 run:rise	3 run:rise	
Length of Bottom	88.0 m	289 ft	
Width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

Minimum 9 Month Liquid Manure Storage Volume Required	
11,700 m ³ **	413,182 ft ³
	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

Construction Dimensions of Liquid Manure Storage

* Only cells in blue can be changed.

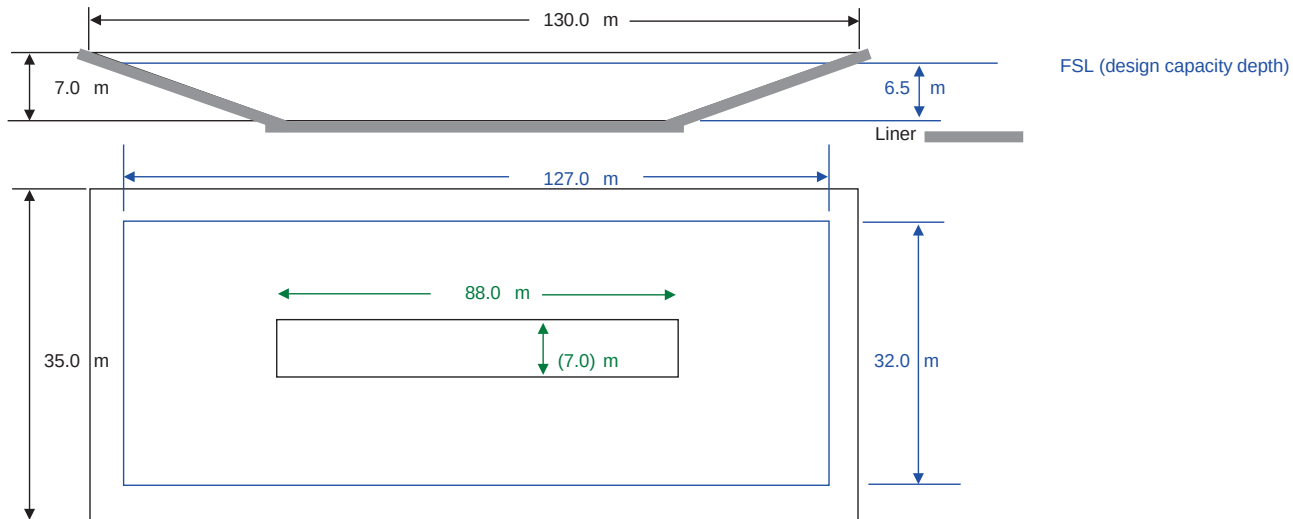
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— Lines in Black - Overall liquid manure storage dimensions
 — Lines in Blue - Design capacity depth dimensions (excludes freeboard)

NTS - Not To Scale

With regards to application 24040:

September 17, 2024

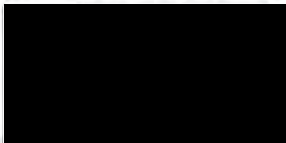
To whom it may concern:

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.