## **Technical Document BA25012**



## Part 9 - Technical Requirements

D Natural Resources

NRCB USE ONLY		Application number	Legal land description				
Approval Registration	X Authorization	BA25012	SE 6-49-25 W4M				
Amendment							
APPLICATION DISCLOSU	RE						
This information is collected under provisions of the <i>Freedom of Inform</i> written request that certain section	nation and Protection of	icultural Operation Practices Act Privacy Act. This information is	(AOPA), and is subject to the public unless the NRCB grants a				
Any construction prior to obtain prosecution.	ing an NRCB permit i	s an offence and is subject to	enforcement action, including				
I, the applicant, or applicant's agen provided in this application is true t			I acknowledge that the information				
April 22, 2025							
		Signature					
		Signature Ludy Geny	ler.				
April 22, 2025 Date of signing Corporate name (if applicable)		0 1 0	ler.				
Date of signing Corporate name (if applicable)	OUTREMENTS	Ludy Geny	ler.				
Date of signing Corporate name (if applicable) SENERAL INFORMATION REG	sed confined feeding of	Print name	ler . sions. Indicate whether any of the				
Corporate name (if applicable) SENERAL INFORMATION REC Proposed facilities: list all propo	sed confined feeding of	Print name					
Corporate name (if applicable) SENERAL INFORMATION REC Proposed facilities: list all propo proposed facilities are additions to Proposed facilities	sed confined feeding op existing facilities. (atta	Print name	sions. Indicate whether any of the Dimensions (m)				
Date of signing Corporate name (if applicable) SENERAL INFORMATION REG Proposed facilities: list all propo proposed facilities are additions to Proposed facilities	existing facilities. (atta	Fudy Geny Print name	sions. Indicate whether any of the Dimensions (m)				

dairy barn addition (pack barn)

Darn) 22 m x 79 m On July 9, 2025, the applicant submitted an update changing the facilities to be constructed (see TD BA25012 pg. 6). The change does not impact the decision and still meets the requirements of

AOPA and in Leduc County.

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

Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
Manure lagoon	58 × 30 × 6	
Milking Barn	60 × 20	
Milking Barn addition.	24 1 18	

NRCB USE ONLY

Confirmed existing CFO



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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)

Dimensions (m) (length, width, and depth)	NRCB USE ONLY
30W135L	
10W × 11be	
	(length, width, and depth) 30WL35L 20WK30L 60WK100L 15WK70L 35L×10W

	~	
Part 2 – Technical Requirements	NRCB Natur	ral Resource
plication under the Agricultural Operation Practices Act for a confined feeding operation, manure		
a new facility is replacing an old facility, please explain what will hap		MAN/A
onstruction completion date for proposed facilities $\underline{Dec.1}$	2027	
dditional information		
2 proposed additions to current dairy	barn facility,	
giving the current milk cows more ro	iom and adding es 1	room
ary cows inside. Also, adding a	pack area for cl	ose
to calving Cows inside.		

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
milking cows (plus associated dries	110	No increase.	110
and replacements)			

Last updated September 11, 2023

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

## DECLARATION AND ACKNOWLEDGMENT OF APPLICANT CONCERNING WATER ACT LICENCE

issued by Alberta Environment and Protected Areas (EPA) for a confined feeding operation (CFO) Date and sign one of the following four options

## OPTION 1: Applying through the NRCB for both the AOPA permit and the Water Act licence

I DO want my water licence application coupled to my AOPA permit application.

Signed this \_\_\_\_\_day of \_\_\_\_\_\_, 20\_\_\_\_.

Signature of Applicant or Agent

### OPTION 2: Processing the AOPA permit and Water Act licence separately

- 1. I (we) acknowledge that the CFO will need a new water licence from EPA under the *Water Act* for the development or activity proposed in this AOPA application.
- I (we) request that the NRCB process the AOPA application independently of EPA's processing of the CFO's application for a water licence.
- In making this request, I (we) recognize that, if this AOPA application is granted by the NRCB, the NRCB's decision will not be considered by EPA as improving or enhancing the CFO's eligibility for a water licence under the Water Act.
- 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 <u>not</u> be relevant to EPA's consideration of whether to grant the Water Act licence application.
- 5. I (we) acknowledge that any such construction or livestock populating will be at the CFO's sole risk if the Water Act licence application is denied or if the operation of the CFO is otherwise deemed to be in violation of the Water Act. This risk includes being required to depopulate the CFO and/or to cease further construction, or to remove "works" or "undertakings" (as defined in the Water Act).
- AS RELEVANT: I (we) acknowledge that the CFO is located in the South Saskatchewan River Basin and that, pursuant to the Bow, Oldman and South Saskatchewan River Basin Water Allocation Order [Alta. Reg. 171/2007], this basin is currently closed to new surface water allocations.
- 7. Provide: Water licence application number(s) \_

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 EPA under the *Water Act* for the development or activity proposed in this AOPA application.
- 2. Provide: Water license number(s) or water conveyance agreement details \_\_\_\_\_

Signed this	22	day of	April	, 20 25.

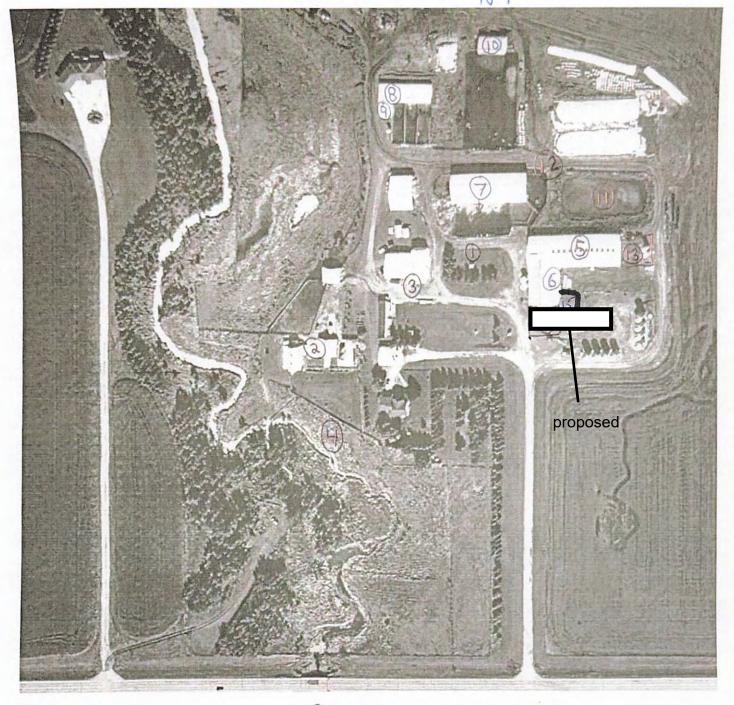
Other copy signed by applicant.

Signature of Applicant or Agent

Last updated September 11, 2023

Application not for an increase in animal numbers

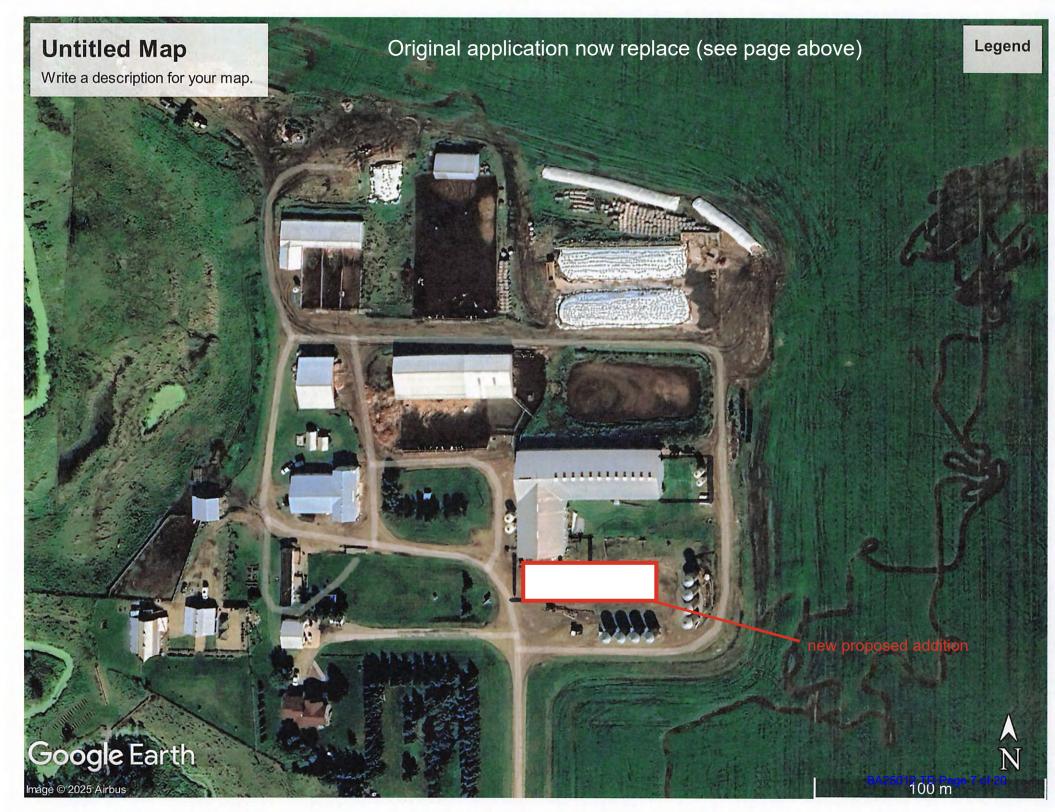
## SE 6-49-25-W4 NT



- () Well #1
- 2 Well #2
- (3) Artisian Well
- (4) whitemud Creek
- (5) Dairy barn 20x60(m)
- ( Dairy barn addition 18x24 (m)
- (7) Dry Cow pen 30×35 (m)

- (B) Back calves inside 10×35 (m)
- () Back calf addition 10×11 (m)
- D Back calf shelter ISXI7(m)
- () manure lagoon 58×30×6(m)
- (2) maternity pen 20×30(m)
- (3) Addition East on current milking barn 21x20(m)
- (4) Addition South on current milking barn 7.6x 19.5(m)
- (IS) menure pad

Updated drawing July 9, 2025. Addition to dairy barn (pack barn) to replace original application. thru Drive Existing 90 Milk Cows 0 25/30 · Styc 20 Brock pack DACK TRATE young Stoc ORYCOWSM 70 THUN Xo ciry throug. SLATS 266 PUC directed with HARJ PIPE de exciting pita colorig pa new convarea to milk #120 milk cows # 20 dry cows # 30 Heifer Breeding # 30 Heifer Breeding /Lobodproposed portion





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

## GENERAL ENVIRONMENTAL INFORMATION

(complete this section for the worst case of the existing facility which is the closest to water bodies or water wells and for each of the proposed facilities) Facility description / name (as indicated on site plan)

Existing: Proposed				Proposed 1: Proposed 3:				
			Faci	lities			NRCB USE ONLY	
Facili	ty and environmental risk information	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?	Ø >1 m □ ≤ 1 m	⊡ >1 m □ ≤ 1 m		□ > 1 m □ ≤ 1 m	YES NO YES with exemption	Not in flood plain	
	How many springs are within 100 m of the manure storage facility or manure collection area?	0	0	0		YES NO	None known	
urface water information	How many water wells are within 100 m of the manure storage facility or manure collection area?	1	١	٧		YES NO	confirmed, unknown well ID	
Surface	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	2500	250	250		YES NO	Whitemud Creek, 205 m from proposed	
ater tion	What is the depth to the water table?	GM	6	6		YES NO	Confirmed, not identified shallower	
Groundwater information	What is the depth to the groundwater resource/aquifer you draw water from?	15M	15	15		YES NO	6.1 m ID 282389	

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

Drilling reports attached.

NAMES OF TAXABLE PARTICULAR OF TAXABLE PARTICIPAL PARTI



## NRCB USE ONLY ENVIRONMENTAL RISK SCREENING INFORMATION

### ERST for proposed facilities

Facility	Groundwater score	Surface water score	File number
dairy barn additions	Low	Low	BA25012

### ERST for existing facilities

Facility	Groundwater score	Surface water score	File number
EMS	High	Low	RBC 11013
Dairy barn	Low	Low	RBC11013
Pens	Low	Low	BA18014

ERST related comments:

\*former moderate risk pens and shelter by creek have been decomissioned. EMS has a water well sampling condition that begun under the RBC program and was carried forward into authorization permits.



I IDs: ID 28238	39 ID Unl	known	
face water related concerns fr	om directly affected parties or ref	erral agencies:	
oundwater related concerns fro	m directly affected parties or refe	erral agencies:	🗆 yes 🗹 no
ater wells 🛛 N/A			
applicable, exemption for 100 r	n distance requirements applied:	YES NO Condition	n required: 🗹 YES 🗆 NO
urface water 🗹 N/A			
applicable, exemption for 30 m	distance requirements applied:		n required: 🛛 YES 🗌 NO
lator Wall Examption Saraan			
Vater Well Exemption Screen Water Well ID	Ing Tool N/A Preliminary Screening Score	Secondary Screening Score	Facility
	Preliminary Screening		Facility
Water Well ID	Preliminary Screening Score	Score	
Water Well ID	Preliminary Screening Score	Score	
Water Well ID	Preliminary Screening Score	Score	
Water Well ID	Preliminary Screening Score	Score	
Water Well ID	Preliminary Screening Score	Score	
Water Well ID	Preliminary Screening Score	Score	

Groundwater or surface water related comments:

Water well testing condition in place for CFO, See WWMS 25012.

# Albertan Water Well Drilling Report

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.

View in Metric Export to Excel

GIC Well ID GoA Well Tag No. Drilling Company Well ID Date Report Received 282389 1980/01/16

OWN ID		а	iccuracy. The ii	nformation or	this report will be r	retained in a p		Date Report Received			
Well Ident	ification and L	ocation								N	Aeasurement in Imperia
Owner Nan KISS CONS			Address 7216 52 S	T, EDMON	TON	Town			Province	Country	Postal Code
Location	1/4 or LSD SE	SEC 6	<i>TWP</i> 49	RGE 25	W of MER 4	Lot	Block	Plan	Addition	al Description	
Measured f	rom Boundary c	of ft from ft from	_		GPS Coordin Latitude 5 How Location Map	3.196054		es (NAD 83 itude <u>-113.</u> 6	and a state of the	Elevation 24 How Elevation Obtain	400.00 ft ined

Method of Drillin Cable Tool			Type of Work New Well					4
Proposed Well U Domestic	Jse						4	
Formation Log		Me	easurement in Imperial	Yield Test Sun	nmary		Mea	surement in Imper
Depth from ground level (ft)	Water Bearing	Lithology Description		Recommended i Test Date	Pump Rate Water Removal		Statio	c Water Level (ft)
1.00		Topsoil		1979/04/26	25.0	0		8.00
20.00		Sandy Clay & Boulders		Well Completio	on		Mea	surement in Imper
30.00		Sandstone			ed Finished Well			End Date
32.00		Hard Sandstone		75.00 ft		1979/04	/26	1979/04/26
50.00		Shale		Borehole				
70.00		Sandstone		Diameter 0.00	(in)	From (ft) 0.00		To (ft) 75.00
75.00		Shale		Surface Casing	(if applicable)	Well Casi Steel	ng/Liner	
					5.50 in		ze OD :	4.50 in
				Wall Thickness	0.156 in	Wall Thic	ckness :	0.000 in
				Bottom at	30.00 ft	-	Top at :	0.00 ft
						Bol	tom at :	75.00 ft
				Perforations	Diamete	r or Slot Leng	ath	Hole or Slot
					Fo (ft) Slot Widt 75.00 0.12	h(in) (in)	gen	Interval(in) 10.00
				Perforated by	Torch			
				Annular Seal	Driven			
				Placed from	0.00 ft 1	0 30.00 f	t	
				Amount				
				Other Seals	-			(0)
					Туре		At	: (ft)
				Screen Type				
					0.00 in			
				From (ft		To (ft)		Slot Size (in)
								0101 0120 (111)
					t			
				Top Fittings	5	Bottom I	-ittings	
				Pack		the second		
				Type		Grain Si.	ze	
				Amount				
Contractor Cert		nsible for drilling/construction of	ofwall	Codifi	cation No			
UNKNOWN NA D		name for animg/construction (		1	cation no			
								proval holder signed

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# Albertan Water Well Drilling Report

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.

View in Metric Export to Excel

GIC Well ID 282389 GoA Well Tag No. Drilling Company Well ID

WN ID		acc	ulacy. The in	ionnauon on	runs report win o	of retained in a p		30.		Date R	eport Recei	ived	1980/01/16
Well Identifica	ation and L	ocation										Meas	urement in Imp
Owner Name KISS CONSTR	R		Address 7216 52 ST	r, EDMON	TON	Town			Province	9	Country		Postal Co
	1/4 or LSD SE	SEC 6	<i>TWP</i> 49	RGE 25	W of MER 4				Additi	onal Desc	cription		
Measured from		f ft from ft from	_		Latitude	dinates in Dec 53.196054 tion Obtained		es (NAD 83 itude113.			ion Elevation Ot ated		10 ft
dditional Info	formation									-		Meas	urement in Imp
Distance From Is Artesian Fl	low				in	-	s Flow Con		d				
Recommende	Rate		igpm		0.00		Installed		9				
Recommende			rom TOC)		0.00 igp		-		Make	Depth		H.P.	
	ear anna maa	ie separti	01111001		0.00 11				indite				
Remedial A	Action Taker.		000 ppm TI (	DS) Gas	Dep	oth	ft	Ge	ophysical Lo Submitted	n Comple og Taken to ESRD	tion		esrd
Remedial Ad Additional C WATER IS SC	Action Taker. Comments or		000 ppm TI	DS) Gas	Der	oth	ft	Ge ollected for	ophysical Lo Submitted Potability	n Comple og Taken to ESRD	tion Subi	mitted to	esrd
Remedial Ad Additional C WATER IS SC Vield Test	Action Taker. Comments or	ı Well	(	Gas	Dep		ft	Ge ollected for	ophysical Lo Submitted Potability ken From	n Comple og Taken to ESRD	tion Subi	mitted to	
Remedial Ad	Action Taker. Comments or		(	Gas	Dep Dep c Water Level 8.00 ft		ft Sample Co	Ge ollected for	ophysical Lo Submitted Potability ken From	n Comple og Taken to ESRD Ground	tion Subi	mitted to	esrd
Remedial Ad Additional C WATER IS SC /ield Test Test Date 1979/04/26	Action Taker: Comments or OFT	Start Time 12:00 AM	(	Gas	C Water Level		ft Sample Co	Ge ollected for Ta	ophysical Lo Submitted Potability ken From	n Comple og Taken to ESRD Ground Oth to wate Elapsed 1	tion Subi	mitted to	ESRD
Remedial Ad Additional C WATER IS SC Yield Test Test Date 1979/04/26 Method of Wa	Action Taker: Comments or OFT fater Remova Type <u>B</u>	Start Time 12:00 AM all ailer		Gas	C Water Level		ft Sample Co	Ge ollected for Ta	ophysical Lo Submitted Potability ken From	n Comple og Taken to ESRD Ground Oth to wate Elapsed 1	tion Subi	mitted to	ESRD
Remedial Ad Additional C WATER IS SC Yield Test Test Date 1979/04/26 Method of Wa Rem	Action Taker: Comments or DFT <u>ater Remova</u> Type <u>B</u> noval Rate	Start Time 12:00 AM al ailer 25	6.00 igpm	Gas	C Water Level		ft Sample Co	Ge ollected for Ta	ophysical Lo Submitted Potability ken From	n Comple og Taken to ESRD Ground Oth to wate Elapsed 1	tion Subi	mitted to	ESRD
Remedial Ad Additional C WATER IS SC field Test Test Date 1979/04/26 Method of Wa	Action Taker: Comments or DFT <u>ater Remova</u> Type <u>B</u> noval Rate	Start Time 12:00 AM al ailer 25		Gas	C Water Level		ft Sample Co	Ge ollected for Ta	ophysical Lo Submitted Potability ken From	n Comple og Taken to ESRD Ground Oth to wate Elapsed 1	tion Subi	mitted to	ESRD
Remedial Ad Additional C WATER IS SC Vield Test Test Date 1979/04/26 Method of Wa Rem Depth Withdre	Action Taker: Comments or OFT	Start Time 12:00 AM all 25 20	6.00 igpm .00 ft	Gas Static	C Water Level		ft Sample Co	Ge ollected for Ta	ophysical Lo Submitted Potability ken From	n Comple og Taken to ESRD Ground Oth to wate Elapsed 1	tion Subi	mitted to	ESRD
Remedial Ad Additional C WATER IS SC Yield Test Test Date 1979/04/26 Method of Wa Rem	Action Taker: Comments or OFT 'ater Remova Type <u>B</u> noval Rate rawn From val period wa	start Time 12:00 AM al ailer 20 s < 2 hours.	6.00 igpm .00 ft	Gas Static	C Water Level		ft Sample Co	Ge ollected for Ta	ophysical Lo Submitted Potability ken From	n Comple og Taken to ESRD Ground Oth to wate Elapsed 1	tion Subi	mitted to	ESRD

Contractor Certification		
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1	
Company Name BIG IRON DRILLING LTD.	Capy of Well report provided to owner	Date approval holder signed

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

## DISTANCE OF ANY MANURE STORAGE FACILITY (EXISTING OR PROPOSED) TO NEIGHBOURING RESIDENCES

					1	NRCB USE ONL	Y	
	Neighbour name(s)	Legal land description	Distance (m)	Zoning (LUB) category	MDS category (1-4)	Distance (m)	Waiver attached (if required)	Meets regulations
Q	Krips. M	NE 31 - 48 - 25 W4	400	Ag	Cat 1	349	n/a	Yes
Z	Krips. A	NE 31 - 48 - 25 W4	598	Ag	Cat 1	570		Yes
3	Lek acreage	SE6 - 49 - 25 - W4	710	Ag	Cat 1	owned		Yes
4)	Jacobs	SW 6-49-25 W4	1250	Ag	Cat 1	1057		Yes

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

				NRCB US	SEONLY
Name of land owner(s)*	Legal land description	Usable area** (ha)	Soil zone ***	Usable area (ha)	Agreement attached (if required)
Gengler R.K	SE 6-49-25 W4	42 ha	Black		
Gengler K.K	NE 36 48 26 W4	63 ha	Black		
Gengler R.K.	NE-15-48-26 WY	56 ha	Black.		
0					
	N/A not for an increas	e in permitted I			

\* 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)





NRCB USE ONLY	
MINIMUM DISTANCE SEPARATION	
Methods used to determine distance (if applicable):	Google earth
Margin of error (if applicable):	
Requirements (m): Category 1: 280 m Ca	ategory 2: <u>374 m</u> Category 3: <u>467 m</u> Category 4: <u>748 m</u>
Technology factor:	TYES VO
Expansion factor:	🗆 yes 🔽 No
MDS related concerns from directly affected parties of	or referral agencies: 🛛 YES 🗹 NO
LAND BASE FOR MANURE AND COMPO	OST APPLICATION
Land base required:	N/A not for an increase in permitted livestock
Land base listed:	
Available area	Requirement met: 🛛 YES 🗍 NO
_	
Land spreading agreements required: Land Spreading Agreements required:	
Manure management plan: YES	NO If yes, plan is attached:
PLANS	
Submitted and attached construction plans:	VES INO
Submitted aerial photos:	Yes D NO
Submitted photos:	TYES VINO
GRANDFATHERING	
Already completed:	
If already completed, see Decision Summ	nary BA18014



NRCB USE ONLY				
ALL SIGNATURES	IN FILE	INO INO		
DATES OF APPRO	VAL OFFICER SITE \	/ISITS		
April 11, 202	25			
April 29, 202				
CORRESPONDENC	<b>E WITH MUNICIPAL</b> May 14, 20		RRAL AGENCIE	S
Municipality:				
Vetter sent	V response received	written/email	verbal	no comments received
Alberta Health Service	es: n/a			
□ letter sent	☐ response received	written/email	verbal	no comments received
Alberta Environment a	and Parks: N/A			
Vetter sent	☐ response received	written/email	verbal	No comments received
Alberta Transportation	n: 🗌 N/A			
letter sent	response received	written/email	verbal	no comments received
Alberta Regulatory Se	rvices: N/A			
🗹 letter sent	V response received	written/email	Verbal	no comments received
Other:	O Energy			N/Δ
	response received			no comments received
		- written/email		
Other:			🗆	N/A
□ letter sent	□ response received	written/email	verbal	no comments received



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	South	addition	(pack barn)	
2	Meri	re pad	-	

### Manure storage capacity

	Length (m)	Width (m) updated information	Depth below grade to the bottom of the liner (m) as of July 9, 2025	<b>NRCB USE ONLY</b> Estimated storage capacity (m <sup>3</sup> )
1.	+2 <sup>79 m</sup>	- <u>14.5</u> 22m	6	
2.	<u> </u>	<del>30</del> -	Ō	
		Adequate sto	TOTAL CAPACITY	

on site

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

Under roof, gutters on roof. deadhen blacks on pack

#### Liner protection

Describe how the physical integrity of the liner will be maintained



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		And the second second		
Concrete thickness	Method of su	lphate protection:		
6"	T 50			
Concrete strength 25 mpa for pack barn	Concrete rein	forcement size and	spacing	
	1211	1 0		
25 mpa 30 mpa (Pad)	12"	10 mm		
Concrete requirements can be found in Technical Guideline A 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	Agdex 096-93	Condition	nents met: n required:	
Type 50 of Type 10 with hy ash of equivalent		Report a	ttached:	YES NO
Additional information (attach as required)				
NRCB USE ONLY	1 - 1 1			
		1		
Nine month manure storage volume requirements met $oldsymbol{ u}$	I YES L	YES With STMS	D NO	
Depth to water table:	Rec	uirements met:	YES 🗆	NO
6	1 m _		. /	
Depth to Uppermost groundwater resource:0.	Rec	uirements met:	YES 🗆	NO
ERST completed: 🔽 see ERST page for details				
Surface water control systems				
Requirements met: 🗹 YES 🗆 NO 🛛 Details/comments:				
Concrete liner details				
Applicant to provide	documentat	ion confirming	concrete in	oformation
	dooumentai	lon comming		normation
				and the state of the
Leakage detection system required: 🛛 YES 🗹 NO 🛛 If ye	es, please expla	in why.		
				A Contract of the
the low we have been and the second		Section and the section of the secti	- ere la serie a	

Last updated February 26, 2021



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

			<u>.</u>				
-		COLLECTION AN section for EACH prop	-	rn liquid m	anure s	torage facility w	ith a concrete liner)
Facil	lity description	name (as indicated on	site plan)	1	Ea	st ada	lition
		$\mathbf{i}$		2			
		$\mathbf{i}$		3			
Man	ure storage capac	ity (use one row in the	table for	EACH in-ba	arn stor	age. Attach addi	tional pages if you require more rows)
	Length (m)	Width (m)	Total de	epth (m)	De	oth below ground level (m)	i NRCB USE ONLY Calculated storage capacity (m <sup>3</sup> )
1.	21	<del>6 6</del> 20	$\sum \epsilon$	DC		<u></u>	
2.							
3.				X			
			7			TOTAL CAPAC	Using existing pits
Conc	rete liner details	Concrete thickness	/	-		Method of sulpl	· · · ·
	Scrape alleys or slatted portions of	6"				150	
	barn floors (if applicable)	SO MPA					rcement size and spacing
	/	Concrete thickness				Method of sulpl	nate protection
In	-barn manuré pit floors	Concrete strength				Concrete reinfo	rcement size and spacing
		Concrete thickness				Method of sulph	nate protection
_/	-barn manure pit walls	Concrete strength		Horizonta and space		rcement size	Vertical reinforcement size and spacing



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

Image: State of the sealing practices for piping, etc. that penetrates the liner         Using existing pits         Image: State of the sealing practices for piping, etc. that penetrates the liner         Using existing pits         Image: State of the sealing practices for piping, etc. that penetrates the liner         Using existing pits         Image: State of the sealing practices for piping, etc. that penetrates the liner         Using existing pits         Image: State of the sealing practices for piping, etc. that penetrates the liner         Using existing pits         Image: State of the sealing practices for piping, etc. that penetrates the liner         Using existing pits         Image: State of the sealing practices for piping, etc. that penetrates the liner         Or synce to only for the sealing practices for piping, etc. that penetrates the liner         Image: State of the sealing practices for provide documents met:         Image: State of the sealing practices for provide documentation confirming concrete information         Tormpleted:       Image: State of the provide documentation confirming concrete information         Tormpleted:       Image: State of the provide documentation confirming concrete information         Condition requirements       Applicant to provide documentation confirming concrete information	
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The requirements	
Else minimum:: manure: 25% 0(b) (C) manure (vet): 30% 0(b) (C) manure (vet): 30% 0(b) (C) manure: 25% 0(b) (C) manure: 25\% 0(b) (C) manure: 25\% 0(b) (C) manure: 25\% 0(b) (C)	
d manure: 32Mpa (8)   op y As required to be engineered   of of subhate protection:   50 or Type 10 with fly ash or equivalent   tional information   Condition required:	NO
50 or Type 10 with fly ash or equivalent   tional information     CB USE ONLY   Id hanure storage volume calculator attached:     YES V   N0   th to water table:    > 6 m   Requirements met: V   YES NO   th to uppermost groundwater resource:    6.1 m   Requirements met: V   YES NO   T completed: V see ERST page for details Applicant to provide documentation confirming concrete information	NO
CB USE ONLY         id manure storage volume calculator attached:       YES V NO         th to water table:       > 6 m         Requirements met:       VES NO         th to uppermost groundwater resource:       6.1 m         Requirements met:       VES NO         T completed:       see ERST page for details         Applicant to provide documentation confirming concrete information	
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th to water table: $26 \text{ m}$ Requirements met: $127 \text{ YES} \square \text{ NO}$ th to uppermost groundwater resource: $6.1 \text{ m}$ Requirements met: $127 \text{ YES} \square \text{ NO}$ T completed: $127 \text{ see ERST page for details}$	
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crete liner requirements Applicant to provide documentation confirming concrete information	
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	tion
(age detection system required: LI YES M NO If ves, please explain why	

Last updated February 26, 2021