

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

NRCB USE ONLY	Application number	Legal la	nd description
Approval Registration Authorization	LA24047	N½ 20 & S	½ 29-17-26 W4M
☐ Amendment	图16 图26 10 10 10 10 10 10 10 10 10 10 10 10 10		
APPLICATION DISCLOSURE			
This information is collected under the authority of the Ag provisions of the Freedom of Information and Protection o written request that certain sections remain private.			
Any construction prior to obtaining an NRCB permit	is an offence and is subject to	enforcement a	ction, including
prosecution. I, the applicant, or applicant's agent, have read and under provided in this application is true to the best of my know		I acknowledge t	that the information
Nou 19 abay			
Date of signing	Signature	,	
Brant Farming Co Ltd. Corporate name (if applicable)	Leonav Print name	9 1	Gross
GENERAL INFORMATION REQUIREMENTS			
Proposed facilities: list all proposed confined feeding of	operation facilities and their dimen	sions. Indicate v	whether any of the
proposed facilities are additions to existing facilities. (att			•
Proposed facilities		1	mensions (m)
		(length,	width, and depth)
Chickon Broiler barn		380'	X 120'
		(116 m	x 37 m)
Existing facilities: list ALL existing confined feeding op	peration facilities and their dimens	ions	
Existing facilities	Dimension (length, width, a	` '	NRCB USE ONLY
Chicken Layer Pullet bar	n 120.4m x 2	4.1m	
with attached manure collect			
NRCBUSE ONLY	18.3m x 53	37m	
40 Commonts (CEO to 1997)	4		
AO Comment: CFO is currently permitted under	er Approval LA21061.		



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Existing facilities continued	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
Farrow and nursery born	18.3m x 70.15m	
Farrow and nursery born Grower and finisher born	22.8m x 70.15m	
	127m 1 24m x 4.25m	
with manue pit	4.9m x4.9m x2.4m	
Calf and Close up	18.3m x 70.15m	
Mardonald barn	14m x51.8m	
EMS (Lagoon)	112,2m 50m x3,66m	deep
Slurry Store	30,8 m x 5,8 m High	The second of th
Slurry Store Daine dry Corrals	60m x 65m	
3 0		
Management		
September 1988 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 1989 - 19		5
		APPENDING TO THE



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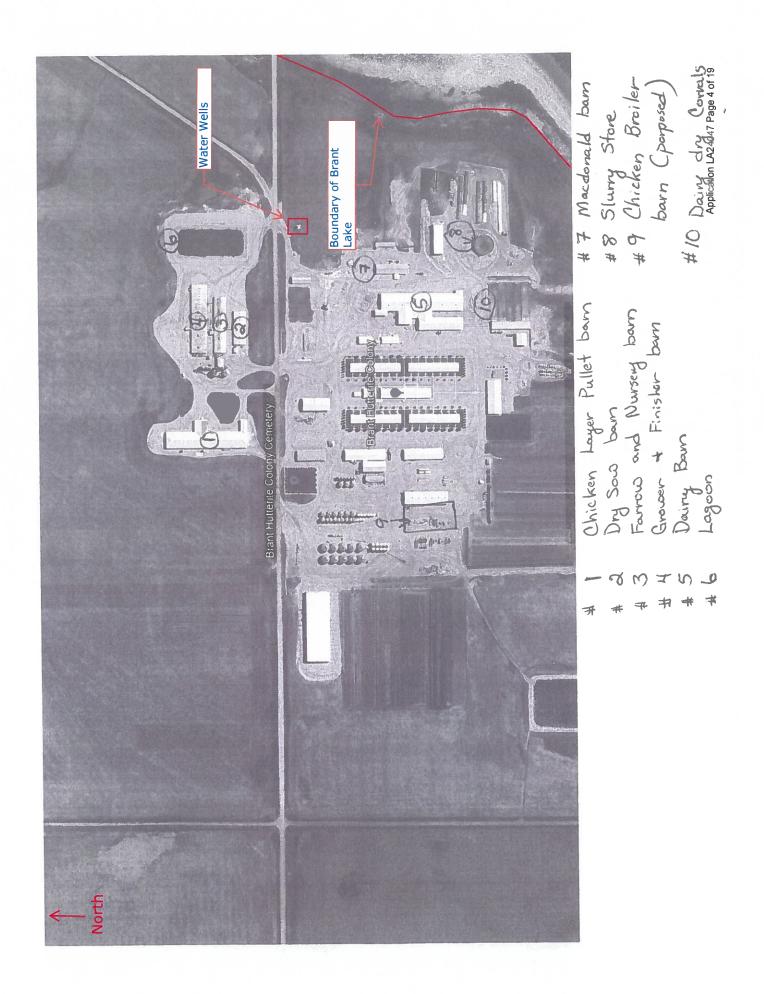
If a new facility is replacing an old facility, please explain what will happen to the old facility and when.	
The old one burned down so we want to	
build a new barn	
AO Comment: The existing turkey barn burnt down and applicant has indicated they will not be rebuilding it. Instead, applicant has indicated they are proposing to build a chicken broiler barn adjacent to the footprint o the turkey barn.	
Construction completion date for proposed facilities Nov 30 2028  Additional information	

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

Livestock category and type (Available in the Schedule 2 of the Part 2 Matters Regulation)	Permitted number	Proposed increase or decrease in number (if applicable)	Total
Milking Cows	145	0	145
Chicken Layers	13000	0	13000
Chicken Pullets	13000	0	/3000
Swine Farmus to Finish	400	0	400
Swine Feeders	3724	0	3724
Turkeys	5200	-5100	/00
Ducks	760	0	700
Geese	200	0	200
Chicken Broilers	0	+40000	40000

Last updated September 11, 2023

AO Comment: Livestock numbers have not changed from Part 1 application.





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### 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

I <b>DO</b> want my water licence application couple	d to my AOPA permit application.
Signed thisday of, 20	
	Signature of Applicant or Agent
OPTION 2: Processing the AOPA permit and V	Vater Act licence separately
I (we) acknowledge that the CFO will need a n development or activity proposed in this AOPA	ew water licence from EPA under the Water Act for the application.
	A application <b>independently of</b> EPA's processing of the
	if this AOPA application is granted by the NRCB, the as improving or enhancing the CFO's eligibility for a
	ctions to populate the CFO with livestock pursuant to an ence will <b>not</b> be relevant to EPA's consideration of tion.
the <i>Water Act</i> licence application is denied or i violation of the <i>Water Act</i> . This risk includes be	n or livestock populating will be at the CFO's sole risk if f the operation of the CFO is otherwise deemed to be in being required to depopulate the CFO and/or to cease
	CFO is located in the South Saskatchewan River Basin outh Saskatchewan River Basin Water Allocation Order
7. <b>Provide:</b> Water licence application number(s)	
Signed this day of, 20	Signature of Applicant or Agent
OPTION 3: Additional water licence not requi	red
I (we) declare that the CFO will not need a new development or activity proposed in this AOPA	application.
2. <b>Provide</b> : Water license number(s) or water co	
File Number 10789	
Signed this 19 day of Nov , 2024.	Signature of Applicant or Agent



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# <u>OPTION 4: Uncertain if Water Act licence is needed; acknowledgement of risk (for existing CFOs only)</u>

- 1. At this time, I (we) do not know whether a new water licence is needed from EPA 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** EPA's processing of the CFO's application for a water licence.
- 3. In making this request, I (we) recognize that, if this AOPA application is granted by the NRCB, the NRCB's decision will not be considered by EPA as improving or enhancing the CFO's eligibility for a water licence under the *Water Act*.
- 4. I (we) acknowledge that any construction or actions to populate the CFO with additional livestock pursuant to an AOPA permit in the absence of a *Water Act* licence will **not** be relevant to EPA's consideration of whether to grant 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.
   7. Provide: Water license number(s) or water conveyance agreement details \_\_\_\_\_\_\_

		-,,			
-	1-		94174		
Signed this	day of	20			
	day or	, 20		Signature of	Applicant or Agent



I/or manure storage facility(ies)

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

AO Comment: Applicant indicated they have only two active water wells on site, ID#'s 1610561 and 131856.



View in Imperial Export to Excel

GIC Well ID GoA Well Tag No. Drilling Company Well ID 1610561

**GOWN ID** 

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.

Date Report Received 2010/01/11 Well Identification and Location Measurement in Metric Owner Name Address Town Province Country Postal Code BRANT COLONY P.O. BOX 107 BRANT ALBERTA CANADA TOL OLO Location 1/4 or LSD SEC TWP RGE W of MER Lot Block Plan Additional Description 15 20 EAST WELL 17 26 GPS Coordinates in Decimal Degrees (NAD 83) Measured from Boundary of Latitude <u>50.455183</u> Longitude -113.539833 m from How Location Obtained How Elevation Obtained m from Hand held autonomous GPS 20-30m Not Obtained

**Drilling Information** Method of Drilling Rotary - Air

Type of Work New Well

**Proposed Well Use** Municipal

Formation Log	vs/mility	Measurement in Metric
Depth from ground level (m)	Water Bearing	Lithology Description
13.41		Brown Sandy Clay & Rocks
16.76		Sand & Gravel
18.59		Gray Clay & Rocks
26.82		Gray Shale
27.13		Gray Sandstone
36.27		Gray Shale
41.15	Yes	Gray Sandstone
42.67		Gray Shale

Yield Test Sur	mmary		Measurement in Met
Recommended	Pump Rate68.1	9 L/min	
Test Date	Water Removal Rate (L	_/min)	Static Water Level (m)
2009/05/27	72.74		13.95
2009/05/26	95.47		13.95
Well Completi	on		Measurement in Met
	on led Finished Well Depth	Start Date	Measurement in Meta End Date
		Start Date 2009/05/25	End Date
Total Depth Dril	led Finished Well Depth		End Date
Total Depth Dril 42.67 m	led Finished Well Depth 42.67 m	2009/05/25	End Date

Well Casing/Liner

Size OD :

Top at

Wall Thickness : 0.602 cm

11.43 cm

3.05 m

			Bottom a	t 42.67 m
Perforations				
From (m)	To (m)	Diameter or Slot Width (cm)	Slot Length (cm)	Hole or Slot Interval(cm)
36.58	41.15	0.318		17.78
Perforated by	/ Saw			
Annular Sea	/ Bentonit	e Chips/Tablets		
Placed fro		.19 m to	36.58 m	
Amou	nt	300.00 Pounds	5	
Other Seals			_	
	Tuno			At (m)
	Type			AC (111)
	Drive Sho			19.81
Screen Type	Drive Sho Shale Tra			19.81

Screen Type		
Size OD	cm_	
From (m)	To (m)	Slot Size (cm)
Attachment		
Top Fittings	Bottom F	ittings
Pack		

Grain Size Type Amount

Contractor	Certification

Name of Journeyman responsible for drilling/construction of well

DOUG NIEMANS

Company Name

PETER NIEMANS WATER WELL DRILLING

Certification No

Surface Casing (if applicable) Size OD

Bottom at

Wall Thickness : 0.559 cm

14.30 cm

19.81 m

70092A

Copy of Well report provided to owner Yes

Date approval holder signed 2009/06/03



View in Imperial Export to Excel

GIC Well ID GoA Well Tag No. 1610561

Drilling Company Well ID

GOWN ID

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Date Report Received 2010/01/11 Well Identification and Location Measurement in Metric Owner Name Address Province Postal Code Town Country BRANT COLONY P.O. BOX 107 ALBERTA **BRANT** CANADA TOL OLO Location 1/4 or LSD SEC TWP RGE W of MER Lot Block Plan Additional Description EAST WELL 15 20 17 26 4 GPS Coordinates in Decimal Degrees (NAD 83) Measured from Boundary of Latitude 50.455183 \_\_ Longitude \_-113.539833 Elevation m from How Location Obtained How Elevation Obtained m from

	Hand held autor	nomous GPS 20-30	m No	ot Obtained
Additional Information				Measurement in Metri
Distance From Top of Casing to Ground Level Is Artesian Flow	67.01 cm	Is Flow Con	trol Installed	
Rate Umin			Describe	
Recommended Pump Rate	68.19 L/min	Pump Installed	De	pth <u>m</u>
Recommended Pump Intake Depth (From TOC)	36.58 m	Туре	Make	H.P.
			1	Model (Output Rating)
Did you Encounter Saline Water (>4000 ppm TDS)	Depth	m	Well Disinfected Upon Cor	mpletion Yes
Gas	Depth	m	Geophysical Log Tal	ken
Remedial Action Taken			Submitted to ES	RD
		Sample Co	ollected for Potability Yes	Submitted to ESRD Yes
Additional Comments on Well				
LITH: FROM 0' - 44 FEET' ALSO SAND STRINGERS.				

Contractor Certification

Name of Journeyman responsible for drilling/construction of well

DOUG NIEMANS

Company Name PETER NIEMANS WATER WELL DRILLING Certification No 70092A

Copy of Well report provided to owner Yes

Date approval holder signed 2009/06/03



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GIC Well ID GoA Well Tag No.

Drilling Company Well ID

1610561

GOWN ID

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Date Report Received 2010/01/11 Well Identification and Location Measurement in Metric Owner Name Postal Code Address Province Country Town **BRANT COLONY** P.O. BOX 107 BRANT ALBERTA CANADA TOL OLO Location 1/4 or LSD SEC TWP RGE W of MER Lot Block Plan Additional Description 20 17 **EAST WELL** 26 GPS Coordinates in Decimal Degrees (NAD 83) Measured from Boundary of Latitude <u>50.455183</u> Longitude -113.539833 Elevation m m from How Location Obtained How Elevation Obtained m from Not Obtained Hand held autonomous GPS 20-30m

/ield Test			Taken	From Top of Casing	Measurement in Metr
Total Data	Ot and Time	04-42-14/-41		Depth to water level	
Test Date 2009/05/27	Start Time 11:00 AM	Static Water Level 13.95 m	Pumping (m)	Elapsed Time Minutes:Sec	Recovery (m)
			13.95	0:00	23.31
Method of Water	Removal		19.30	1:00	14.61
	Type Pump		23.29	2:00	13.55
	Rate 72.74 L/mi	^	25.50	3:00	13.42
	·		26.20	4:00	13.34
Depth Withdrawn	From 39.62 m		26.73	5:00	13.26
			27.02	6:00	13.19
lf water removal pe	eriod was < 2 hours, explain v	why	26.80	7:00	13.14
			26.21	8:00	13.10
			25.70	9:00	13.06
			25.27	10:00	13.02
			25.07	12:00	12.96
			24,48	14:00	12.90
			24.20	16:00	12.85
			24.14	18:00	12.78
			24.12	20:00	12.73
			24.11	25:00	12.63
			24.10	30:00	12.55
			24.09	35:00	12.48
			24.08	40:00	13.25
			24.07	50:00	13.72
			24.06	60:00	13.95
			23.64	75:00	14.16
			23.50	90:00	14.12
			23.41	105:00	14.09
			23.31	120:00	14.07
'ield Test			Taken	From Top of Casing	Measurement in Me
Test Date	Start Time	Static Water Level		Depth to water level	
2009/05/26	11:00 AM	13.95 m	Pumping (m)	Elapsed Time Minutes:Sec	Recovery (m)
Method of Water	Removal				
	Type Air				
Removal	Rate 95.47 L/mi	n			
	From 42.67 m				
Deptii vvitiidrawii	42.67 m				
If water removal no	eriod was < 2 hours, explain v	why			
·	H RIG AIR FOR 2 HRS.	····y			

	Water Diverted for Drilling		
1	Water Source	Amount Taken	Diversion Date & Time
-	NW-21-18-28-W4	4546.09 L	2009/05/25 10:00 AM

Contractor Certification

Name of Journeyman responsible for drilling/construction of well

DOUG NIEMANS

PETER NIEMANS WATER WELL DRILLING

Certification No 70092A

Yes

Copy of Well report provided to owner

Date approval holder signed

2009/06/03



View in Imperial Export to Excel

GIC Well ID GoA Well Tag No. Drilling Company Well ID 131856

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			- 76							Date Report Receive	ed 1973/10/19
Well Identi	fication and L	ocation.									Measurement in Metric
Owner Nam HUTTERIAN BRANT	e N BRETHREN (	OF	Address P.O. BOX	107 BRANT		Town			Province	Country	Postal Code
Location	1/4 or LSD 15	SEC <b>20</b>	TWP 17	RGE 26	W of MER 4	Lot	Block	Plan	Addition	nal Description	
Measured fr	rom Boundary o	m from m from				nates in Deci 50.453605 n Obtained		es (NAD 83) tude <u>-113.5</u>		Elevation How Elevation Obta	990.60 m ined
Drilling Info	ormation	William La						Y-3 (1) (1)	The Name of Street,		
Method of L Rotary	Drilling				Type of Woo New Well	rk					
Proposed V	Vell Use										

Formation Log		Measurement in Metric
Depth from ground level (m)	Water Bearing	Lithology Description
12.19		Clay & Silt
18.29		Fine Grained Sand & Gravel
33.53		Shale
48.77		Hard Shale & Sandstone

	nary		Measurement in I
Recommended Pu	mp Rate	0.00 L/min	
		te (L/min) SI	ratic Water Level (m)
1979/09/01	45.46		6.71
Vell Completion			Measurement in I
,	Finished Well De	pth Start Date	End Date
18.77 m			1973/09/01
Borehole			
Diameter (cm	n) Fr	rom (m)	To (m)
0.00 <b>Surface Casing (i</b> i Steel	f applicable)	0.00  Well Casing/Li Steel	48.77 ner
	15.24 cm		12.70 cm
Wall Thickness	0.000 cm	Wall Thicknes	s: 0.000 cm
	21.34 m		0.00 m
			48.77 m
Perforations			
	Diameter o Slot Width		Hole or Slot
From (m) To			
36.58 48.	77 0.000	(cm)	0.00
Perforated by	Unknown		
Annular Seal Dri Placed from Amount Other Seals	0.00 m to		
Annular Seal Dri Placed from Amount Other Seals	ven 0.00 m to		At (m)
Annular Seal Dri Placed from Amount Other Seals	0.00 m to		At (m)
Annular Seal Dri Placed from Amount Other Seals	ven 0.00 m to		At (m)
Annular Seal Dri Placed from Amount Other Seals	ven 0.00 m to vype 0.00 cm		At (m)  Slot Size (cm)
Annular Seal Dri Placed from Amount Other Seals  T  Screen Type Size OD From (m)	ven 0.00 m to	To (m)	
Annular Seal Dri Placed from Amount Other Seals  T Screen Type Size OD From (m)  Attachment	ven 0.00 m to vpe 0.00 cm	To (m)	Slot Size (cm)
Annular Seal Dri Placed from Amount Other Seals  T Screen Type Size OD From (m)  Attachment	ven 0.00 m to	To (m)	Slot Size (cm)
Annular Seal Dri Placed from Amount Other Seals  T Screen Type Size OD: From (m)  Attachment Top Fittings	ven 0.00 m to vpe 0.00 cm	To (m)  Bottom Fitting	Slot Size (cm)

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



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GIC Well ID GoA Well Tag No.

131856

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Water Diverted for Drilling			HET YELD
Water Source	Amount Taken	Diversion Date & Time	

Contractor Certification

Name of Journeyman responsible for drilling/construction of well

UNKNOWN NA DRILLER

Company Name TRANS PROVINCIAL DRILLING LTD. Certification No



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

					NACE USE UNLY		
Neighbour name(s)	Legal land description	Distance (m)	Zoning (LUB) category	MDS category (1-4)	Distance (m)	Walver attached (if required)	Meets
D. Mc Donald	NV3-30-17-26-4 2415	2415					
T Irwin	NE-16-17-264	2818					
River Cross Rench	SW2-19-17-26-4 2415	2415					
Stew of Lind Fink	NW-22-17-26-4	28/8					
Rod Dixen	NW-08-17-26-4 3218	3218					

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

ONLY	Agreement attached (if required)					
NRCB USE ONLY	Usable area (ha)					
	Soil zone ***	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown
	Usable area** (ha)	580	160	320	320	320
	Legal land description	Sec 29-17-26-4	NE-30-17-26-4	E12-32-17-26-4	E1/2-33-17-26-4	
	Name of land owner(s)*	1.8 of Brant	B of Brant	B of Brant	13 cf Brant	1.B of Brent

<sup>\*</sup> If you are not the registered landowner, you must attach copies of land use agreements signed by all landowners.

Additional information (attach any additional information as required)

<sup>\*\*</sup> 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)

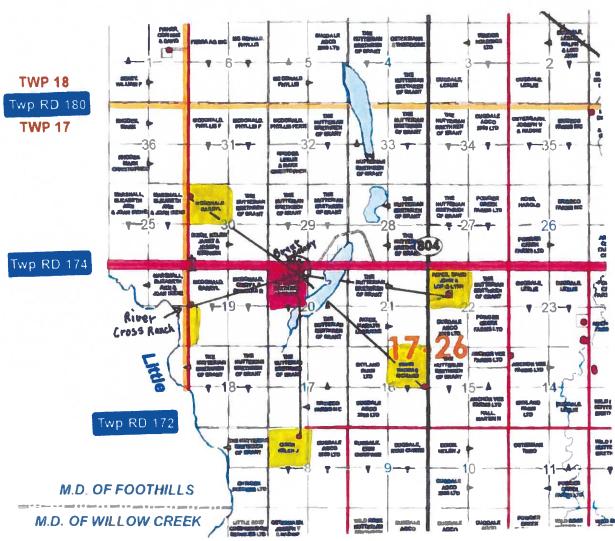
<sup>\*\*\*</sup> Brown, dark brown, black, grey wooded, or irrigated

# Land Base For Manure Application Cont.

W\$-27-17-26-W4 = 320 avrs.

NE-22-17-26-W4 = 160 acres

NW-4-18-26-W4 = 160 acres



NORTH

To Neighbouring Residences

D. Mc Donald = 2.415 m.

T. Irwin = 2.818 m.

River Cross Ranch = 2,415 m.

Steve + Linda Fink = 2,818 m.

Helen J. Dixon = 3,218 m.

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Name Address Legal Land Location

MDS Spreadsheet based on 2006 AOPA Regulation	MDS	Spreadsheet	based on	2006 AOF	PA Re	equiations
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	eadsheet based on 2006 AOPA						
Category	Type of Livestock	Factor A	Technology	MU	LSU	Number of	LSU
of		l	Factor		Factor	Animals	
Livestock		l .	The Wall				
Feedlot	Beef Cows/Finishers (900+ lbs)	0.700	0.700	0.910	0.4459		
			0.700				
Animals	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		-
							-
Dairy	Free Stall - Lactating Cows with all	0.800	1.100	2.000	1.7600	145	255.2
	associated dries, heifers, and						
(*count	calves*						
lactating	Free Stall – Lactating Cows with Dry	0.800	1.100	1.640	1.4432		-
cows only)	Cows only*						
,,	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	0.800	1.000	1.400	1.1200	15 - 15 Vit	-
	only	- 1	CONTRACTOR OF THE PARTY.				
	Dry Cow	0.800	0,700	1.000	0.5600		-
	Replacements – Bred Heifers	0.800	0.700	0.875	0.4900		-
	(Breeding to Calving)		211.00				
	Replacements - Growing Heifers	0.800	0.700	0.525	0.2940	-	-
	(350 lbs to breeding)	0.000	0.700	0.525	0.2340		-
		2 222	0.700				
	Calves (< 350 lbs)	0.800	0.700	0.200	0.1120		
		0.00	THE STATE OF THE S		25000		
Swine	Farrow to finish *	2.000	1.100	1.780	3.9160		1,566.4
Liquid	Farrow to wean *	2.000	1.100	0.670	1.4740		-
(*count	Farrow only *	2.000	1.100	0.530	1.1660		-
sows only)	Feeders/Boars	2.000	1.100	0.200	0.4400		1,638.6
	Growers/Roasters	2.000	1.100	0.118	0.2600		1,000.0
	Weaners	2.000	1.100	0.055	0.1210		<del>.</del>
	VVddi iei S	2.000	1.100	0.055	0.1210		
Outland	Company to Smith &	0.000	0.000	4.700	0.0400		-
Swine	Farrow to finish *	2.000		1.780	2.8480		-
Solid	Farrow to wean *	2.000	0.800	0.670	1.0720		-
(*Count	Farrow only *	2.000	0.800	0.530	0.8480		-
sows only)	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		
	THE RESERVE OF THE PERSON.	2.000	0.000	2.000	0.0000		
Poultry	Chicken - Breeders - Solid	4.000	0.700	0.010	0.0070		
r-outil y		1.000			0.0070		
	Chicken - Layers - Liquid (includes	2.000	1.100	0.008	0.0176		-
	associated pullets)						
	Chicken - Layers - (Belt Cage)	2.000	0.700	0.008	0.0112	13,000	145.6
	Chicken - Layers - (Deep Pit)	2.000	0.700	0.008	0.0112	$PA_{P} = PA_{P}$	-
	Chicken - Pullets/Broilers	1.000	0.700	0.002	0.0014	53,000	74.2
	Turkey - Toms/Breeders	1.000	0.700	0.020	0.0140		
	Turkey - Hens (light)	1.000	0.700	0.020	0.0091		
	Turkey - Broilers					100	
		1.000	0.700	0.010	0.0070	100	0.7
	Ducks	1.000	0.700	0.010	0.0070	700	4.9
	Geese	1.000	0.700	0.020	0.0140	200	2.8
	MINES NORTH ALL SECTIONS						
Sheep and	Sheep - Ewes/Rams	0.600	0.700	0.200	0.0840		-
Goats	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	0.030	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		
	DESCRIPTION OF THE PARTY OF THE						
	THE RESERVE AND ADDRESS OF THE PARTY OF THE		0.700	0.600	0.2520		-
Cervid	Elk	0.600	U./Uni				
Cervid		0.600					_
Cervid	Elk Deer	0.600 0.600	0.700		0.0840		-
	Deer State of the	0.600	0.700	0.200	0.0840		-
	Deer Feeders	2.000	0.700	0.200	0.0840		-
Cervid Wild Boar	Deer State of the	0.600	0.700	0.200	0.0840		-

Total

3,688.4

## For New Operations Dispersion Factor

		Dista	ince
Category	Odour Objective	Feet	Metres
1	41.04	2,698	822
2	54.72	3,598	1,097
3	68.4	4,497	1,371
4	109,44	7,195	2,193

# For Expanding Operations Dispersion Factor Expansion Factor

		Distance	
Category	Odour Objective	Feet	Metres
1 "	41.04	2,078	633
2	54.72	2,770	844
3	68.40	3,463	1,055
4	109.44	5.540	1.689

Name Brant Farming Co Ltd

Name Address Legal Land Location

0

Category of	Requirements (hectares) base Type of Livestock		Dark Brown	Grey	Black	Irrigated
Livestock	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Animals	& Brown	Wooded	(ha)	(ha)
			(ha)	(ha)	` ′	, ,
Feedlot	Cows/Finishers (900+ lbs)	0.0	0.0	0.0	0.0	0.
Animals	Feeders (450 - 900 lbs)	0.0	0.0	0.0	0.0	0.
	Feeder Calves (<550 lbs)	0.0	_0.0	0.0	0.0	0.
	Horses - PMU	0.0	0.0	0.0	0.0	0.
	Horses - Feeders > 750 lbs	0.0	0.0	0.0	0.0	0.
	Horses - Foals < 750 lbs	0.0	0.0	0.0	0.0	0.
	Mules	0.0	0.0	0.0	0.0	0.
	Donkeys	0.0	0.0	0.0	0.0	0.
	Bison	0.0	0.0	0.0	0.0	0.
Doine	Free Stall – Lactating Cows with all	0.0 145.0	045.0	470.4	404.0	107.
Dairy (*count	associated dries, heifers, and calves*	145.0	215.3	179.4	134.6	107.
lactating cows only)	Free Stall – Lactating Cows with Dry Cows only *	0.0	0.0	0.0	0.0	0.
"	Free Stall - Lactating Cows only*	0.0	0.0	0.0	0.0	0.
	Tie Stall – Lactating Cows only	0.0	0.0	0.0	0.0	0.
	Loose Housing – Lactating Cows only	0.0	0.0	0.0	0.0	0.
	Dry Cow (Solid manure)	0.0	.0.0	0.0	0,0	0.
	Dry Cow (Liquid manure)	0.0	_0.0	0.0	0.0	0.
	Replacements – Bred Heifers (Breeding to Calving)	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.
	Calves (< 350 lbs)	0.0	0.0	0.0	0.0	0.
	GREEK MAKEUR BY WOOD	0.0				
Swine	Farrow to finish *	400.0	267.4	222.8	167.1	133.
Liquid	Farrow to wean *	0.0	0.0	0.0	0.0	0.
(*count	Farrow only *	0.0	0.0	0.0	0.0	0.
sows only)	Feeders/Boars	3724.0	268.1	223.4	167.6	134.
	Growers/Roasters	0.0	0.0	0.0	0.0	0.
	Weaners	0.0	0.0	0.0	0.0	0.
		0.0				
Swine	Farrow to finish *	0.0	0.0	0.0	0.0	0.
Solid	Farrow to wean *	0.0	0.0	0.0	0.0	0.
(*Count	Farrow only *	0.0	0.0	0.0	0.0	0.
sows only)	Feeders/Boars Growers/Roasters	0.0	0.0	0.0	0.0	0.
	Weaners	0.0	0.0	0.0	0.0	0.
	Treatiers	0.0	0.0	0.0	0.0	0.
Poultry	Chicken - Breeders - Solid	0.0	0.0	0.0	0.0	0.
, , ,	Chicken - Layers - Liquid (includes associated pullets)	0.0	0.0	0.0	0.0	0.
	Chicken - Layers - (Belt Cage)	13000.0	71.5	59.8	44.2	36.
	Chicken - Layers - (Deep Pit)	0.0	0.0	0.0	0.0	0.
	Chicken - Pullets/Broilers	53000.0	172.3	143.6	107.6	86.
	Turkey - Toms/Breeders	0.0	0.0	0.0	0.0	0.
	Turkey - Hens (light)	0.0	0.0	0.0	0.0	0.
	Turkey - Broilers	100.0	0.5	0.4	0.3	0.:
	Ducks	700.0	1.1	0.9	0.7	0.0
- X	Geese	200.0 0.0	0.6	0.5	0.4	0.:
Goats and	Sheep - Ewes/Rams	0.0	0.0	0.0	0.0	0.
Sheep	Sheep - Ewes with lambs	0.0	0.0	0.0	0.0	0.
O'100h	Sheep - Lambs	0.0	0.0	0.0	0.0	0.
	Sheep - Feeders	0.0	0.0	0.0	0.0	0.
	Goats - Meat/Milk (per Ewe)	0.0	0.0	0.0	0.0	0.
	Goats - Nannies/Billies	0.0	0.0	0.0	0.0	0.
	Goats - Feeders	0.0	0.0	0.0	0.0	0.
	ENGREE CONTRACTOR STATES	0.0				
Cervid	Elk	0.0	0.0	0.0	0.0	0.
	Deer	0.0	0.0	0.0	0.0	0.
		0.0				
Wild Boar	Feeders	0.0	0.0	0.0	0.0	0.
	Sow (farrowing)	0.0	0.0	0.0	0.0	0.
	Total Hectares	0.0	997	830.9	622.5	499.
	Total Acres		2,463	2053.2	1538.1	1233



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

	ID MANURE, COMP	OST, & COMPOSTING	MATERIALS: Barns, feed	ots, & storage facilities -
(com		for <b>EACH</b> barn, feedlot, and	storage facility for solid manure, co	omposting materials, or compost with
		as indicated on site plan)	1. Chicken Broi	ler barn
			2	
Man	ire storage capacity			
	Length (m)	Width (m)	Depth below grade to the bottom of the liner (m)	NRCB USE ONLY Estimated storage capacity (m³)
1.	116m	37 m		
2.				
	<u> </u>		TOTAL CAPACITY	
requi <b>Surf</b>	rements for STMS are set ace water control system cribe the run-on and runof	out in the NRCB <u>Short-Term S</u> ns	olid Manure Storage Requirements	nandling plan for this CFO. The AOPA  Fact Sheet.
		egrity of the liner will be maint  with Sika-		
			NRCB USE ONLY	<u> </u>
			R	equirements met: YES NO

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)

**SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities - Concrete liner (cont.)** 

Concrete liner details			
Concrete thickness	Method of sulp	hate protection:	
la inches	Tube	50	
Concrete strength	Concrete reinfo	50 procement size and s	spacing
30	10	!	1211
JOMPa	/Umm	rebar c	n 12" Spacing.
Concrete requirements can be found in Technical Guideline A		NRCB USE ONLY	
Guideline minimums:			
Solid manure: 25MPa (D)		Requiren	nents met: YES NO
Solid manure (wet): 30MPa (C)			П
Method of sulphate protection:		Condition	required: YES NO
Type 50 or Type 10 with fly ash or equivalent		Report at	ttached: YES NO
		кероп а	ttactied.
Additional information (attach as required)			
NRCB USE ONLY			
Nine month manure storage volume requirements met $\ \square$	YES 🗆	YES With STMS	□ NO
Depth to water table:	Requ	irements met:	☐ YES ☐ NO
Depth to Uppermost groundwater resource:	Requ	irements 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 ye	es, please explair	why.	

Last updated February 26, 2021