Technical Document LA25055

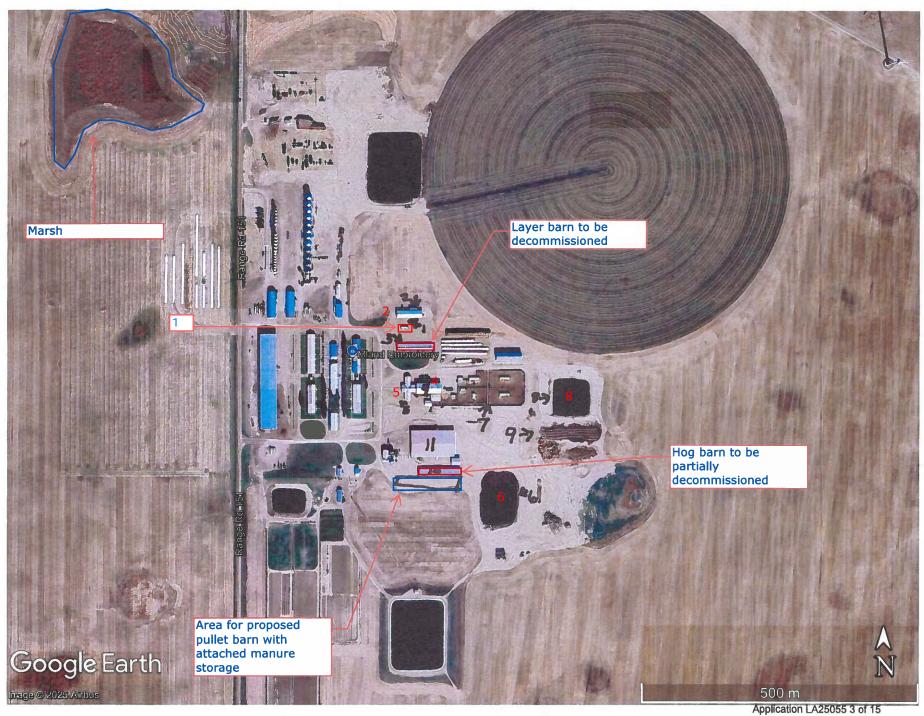
Part 2 — Technical Requirements



NRCB USE ONLY	Application number	Legal la	and description
■ Approval □ Registration □ Authorization □	LA25055	SW 25	5-8-15 W4M
Amendment			
APPLICATION DISCLOSURE			
This information is collected under the authority of the Agric provisions of the Freedom of Information and Protection of February written request that certain sections remain private.			
Any construction prior to obtaining an NRCB permit is prosecution.	an offence and is subject to	enforcement a	action, including
${f I}$, the applicant, or applicant's agent, have read and underst provided in this application is true to the best of my knowled		I acknowledge	that the information
0 114 08, 2025 Date of signing	Signature U		
MLAND FARMIN Co. Co. LTD Corporate name (if applicable)	Print name	Rleinsz	ser
GENERAL INFORMATION REQUIREMENTS			
Proposed facilities: list all proposed confined feeding oper proposed facilities are additions to existing facilities. (attack)		sions. Indicate	whether any of the
Proposed facilities			mensions (m) , width, and depth)
			x 25.6 m)
Pullet Barn with attack	Red Office Space	340 8	34 feet.
Pullet Barn with ottached) Manure Storage (attached)		60 ft 9 ii	0
		(18.5 m	x 14.9 m)
AO Comment: The dimensions of the proposed pancillary structure. The dimensions of the pullet space are 12.2 m x 25.6 m.			
Existing facilities: list ALL existing confined feeding ope	ration facilities and their dimens	sions	
Existing facilities	Dimension (length, width,		NRCB USE ONLY
AO Comment: See next page for list of existing	facilities.		
NRCB USE ONLY			
AO Comment: CFO is currently permitted under N	IRCB Approval LA16011.		



isting	facilities continued		1	Dimensions (m) th, width, and depth)	NRCB USE ON
	Existing Permitted Facilities				
	Facility	Dimensions		Permit	
1	Duck and goose barn	12.5 m x 46 m			-
2	Broiler barn	12.5 m x 46 m			
3	Layer barn	64 m x 15 m x 0.4 m	n deep	(to be decomissione	ed)
4	Dairy barn	45 m x 18 m x 3.6 m	n deep		
5	Calf barn (attached to dairy)	44 m x 12 m		Deemed	
6	EMS	115 m x 66 m x 6.1	m deep		
7	Dairy corrals	61 m x 152 m			
8	Catch basin	47 m x 68 m x 4.5 n	n deep	1	
	Solid manure storage	65 m x 60 m			
10	Hog Barn (2002)	76 m x 15 m x 1.4 n	n deep	Approvals LA02011 ar	nd I A02011A





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

₩ N/A

Additional information

Old Layer Barn is decomissioned

Construction completion date for proposed facilities October 30, 2028

AO Comment: Layer barn (#3 in existing facilities list) is to be fully decommissioned and the hog barn (#10 in existing facilities list) is to be partially decommissioned, with a portion of it remaining to be used for storage.

AO Comment: As the applicant is proposing to decommission the hog barn, it no longer holds a permit and the applicant is unable to house the 340 swine farrow to finish. Therefore, I am reducing the swine farrow to finish numbers from 340 to 0.

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
Livestock category and type (Available in the Schedule 2 of the Part 2 Matters Regulation)	Permitted livestock numbers	Proposed increase or decrease in number (if applicable)	Total
dayers	30,000	0	30,000
Broilers	1800	0	1800
Geese	400	0	400
Ducks	400	0	400
Farrow Finish Hogs	340	0	340
Farrow Finish Hogs Cows (plus dries and replacements)	100	0	100
Pullets	0	46,000	46,000

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)

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

I DO want my water licence application coupled to my AOPA permit application.
Signed thisday 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.
 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 <i>Water Act</i> .
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).
 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
Signature of Applicant of 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 OS day of Order 1, 20 25. Signed this D Agreement or Agent
OPTION 4: Uncertain if Water Act licence is needed: acknowledgement of risk (for existing CFOs only)
 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.
 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 <i>Water Act</i> .
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 <i>Water Act</i> licence will not be relevant to AEP's consideration of whether to grant my <i>Water Act</i> 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 <i>Water Act</i> licence application is denied or if the operation of the CFO is otherwise deemed to be in violation of the <i>Water Act</i> . 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 <i>Water Act</i>).
 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



LICENCE to DIVERT AND USE WATER

Pursuant to the WATER RESOURCES ACT

File No.

22328

Priority No.

1986-05-01-03

Purpose

Agricultural

Drainage Basin

Oldman River

First Issued

1987 06 16

Midland Hutterian Brethren

Box 850

Taber, Alberta

TOK 2GO

HAVING COMPLIED with the applicable provisions of the Water Resources Act and the regulations thereunder and interim Licence No. 14706 , a copy of which is attached hereto and incorporated herein,

IS HEREBY GRANTED LICENCE to divert and use the quantities of water prescribed in the Interim Licence in accordance with and subject to all other applicable provisions of that Act and the regulations thereunder, and the terms and conditions attached hereto and incorporated herein, at locations described in the Interim Licence.

BY MEANS AND THROUGH works and undertakings described in the Interim Licence.

1987 06 16

Date

Controller of Water Resources

0262u

Application LA25055 6 of 15



INTERIM LICENCE

Pursuant to the WATER RESOURCES ACT

Nº 14706

Midland Hutterian Brethren Box 850 Taber, Alberta TOK 2GO

File No. 22328

Priority No. 1986-05-01-03

having complied with the applicable provisions of the Water Resources Act and the regulations thereunder is hereby authorized, as soon as right-of-way is obtained:

A. To construct works as shown on plans and reports filed, approved and identified in departmental records as:

22328-1 General and Detail Plan

B. To divert and use water as hereinafter specified and described subject to the terms and conditions attached hereto and incorporated herein:

PURPOSE: Agricultural (feedlot)

SOURCE OF SUPPLY: St. Mary River through the works of the S.M.R.I.D

POINT OF DIVERSION: SW 12-5-24-4 rediverted at NE 23-9-15-4 GROSS DIVERSION: Up to 50.0 acre-feet annually consisting of:

1. Estimated Consumptive Use: 45.0 acre-feet

2. Estimated Losses: 5.0 acre-feet

3. Estimated Return Flow: NIL

RESERVOIR CAPACITY: 40.0 acre-feet

The term within which construction is to be completed expires on (constructed)

1987-01-05

Date Issued

Controller of Water Resources

0074h Application LA25055 7 of 15

Original — Department Copy — Licensee (See over for excerpts) WR2 (Aug. 84)

File: 22328

TERMS AND CONDITIONS INTERIM LICENCE NO. 14706

- 1. The licensee is responsible for the construction, operation and maintenance of the works and for any damages that may result therefrom.
- 2. Diversion from the St. Mary River shall not be permitted before April 15 or after July 31 in any year.
- 3. The licensee shall submit an annual water use return to the Controller of Water Resources, Alberta Environment on or before January 31st in each year for the preceding calendar year showing:
 - (a) periods and rates of diversion;
 - (b) the total monthly quantity of water diverted;
 - (c) the total annual quantity of water diverted;
 - (d) such other information as may be required from time to time.
- 4. The rights and privileges hereby granted are subject to periodic review and to modification to ensure the most beneficial use of the water in the public interest and more particularly to ensure preservation of the rights of other water users.
- 5. The rights and privileges hereby granted can only be extended or modified with the approval of the Controller of Water Resources and are subject to cancellation or modification as provided in the Water Resources Act.
- 6. Following completion of the works herein authorized this interim licence and its terms and conditions shall be attached to and become part of the licence to use water issued under the provisions of the Water Resources Act.

1987 — *O* / ~ *O S*Dated at Edmonton

Controller of Water Resources



Water Well Drilling Report

View in Imperial Export to Excel

Measurement in Metric

GIC Well ID GoA Well Tag No. **Drilling Company Well ID** 197996

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 1982/11/22 Well Identification and Location Measurement in Metric Address Postal Code Owner Name Town Province Country MIDLAND COLONY **TABER** SEC TWP RGE W of MER 1/4 or LSD Block Plan Additional Description Location Lot SW 25 8 15 GPS Coordinates in Decimal Degrees (NAD 83) Measured from Boundary of 49.673187 Latitude _ Longitude -111.918111 Elevation m m from How Location Obtained How Elevation Obtained m from Not Obtained

Drilling Information Type of Work Method of Drilling New Well Rotary Proposed Well Use Domestic

Yield Test Summary

Formation Log			Measurement in Metric
Depth from ground level (m)	Water Bearing	Lithology Description	
12.19		Glacial Drift	
15.24		Coarse Grained Sand	
20.73		Sand	
23.77		Gravelly Rocks	
30.48		Sand	
44.50		Sand & Gravel	
60.96		Sand	

Recommended									
Test Date	Water F	Removal Rate (L/min)	Static Water Level (m))		
1982/06/04		63.65		15.24					
Well Completion						urement in I	Metric		
Total Depth Drill	ed Finisi	hed Well Depth				End Date			
61.87 m			1982	05/30		1982/06/04			
Borehole									
Diameter (cm)	From	n (m) 00			To (m)			
	0.00 Conface Casing (if applicable)					61.87			
Size OE	Steel Size OD: 0.00 cm Size OD: 11.43 cm								
Wall Thickness			Wall 7	hicknes	s:	0.516 cm	-		
Bottom a	t :					0.00 m	_		
		L	Bottom a	at:	60.96 m	=			
Perforations							•		
	Diameter or			Slot Length		Hala as Clat			
From (m) T	o (m)	Slot Width (cm)	(cm)		Hole or Slot Interval(cm)				
	60.96	0.318	,,,,	.,	7.62				
Perforated by									
Annular Seal									
	0.0	00 m to	0.00) m					
Other Seals			_						
	Type				At (m)			
Screen Type									
Size OE) :	0.00 cm							
From (n	n)	То	(m)		Slo	ot Size (cm)			
Attachmen	t								
Top Fittings				m Fitting	js		_		
Pack					<u> </u>		_		
Type Gravel			Grain	Size .3	75				
Amount		⁄ards							

Contractor	Certification

Name of Journeyman responsible for drilling/construction of well

UNKNOWN NA DRILLER

Company Name

SOUTH COUNTRY DRILLING LTD.

Certification No

Copy of Well report provided to owner Date approval holder signed



GOWN ID

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

Amount Taken

View in Imperial Export to Excel

GIC Well ID GoA Well Tag No.

Drilling Company Well ID Date Report Received

1982/11/22

Well Identification and Location Measurement in Metric Address Postal Code Owner Name Town Province Country MIDLAND COLONY **TABER** 1/4 or LSD SEC TWP W of MER RGE Block Plan Additional Description Location Lot SW 25 15 GPS Coordinates in Decimal Degrees (NAD 83) Measured from Boundary of Elevation Latitude 49.673187 Longitude -111.918111 m m from How Location Obtained How Elevation Obtained m from Not Obtained Additional Information Measurement in Metric Distance From Top of Casing to Ground Level cm Is Artesian Flow Is Flow Control Installed Rate Describe Recommended Pump Rate 0.00 L/min Pump Installed Depth m Recommended Pump Intake Depth (From TOC) 54.86 m H.P. Model (Output Rating) m Well Disinfected Upon Completion Did you Encounter Saline Water (>4000 ppm TDS) Depth m ____ Depth Geophysical Log Taken Gas Remedial Action Taker. Submitted to ESRD Sample Collected for Potability Submitted to ESRD Yes Additional Comments on Well Yield Test Measurement in Metric Taken From Ground Level Depth to water level Test Date Start Time Static Water Level Pumping (m) Elapsed Time Recovery (m) 1982/06/04 12:00 AM 15.24 m Minutes:Sec Method of Water Removal Type Air Removal Rate 63.65 L/min Depth Withdrawn From 54.86 m If water removal period was < 2 hours, explain why Water Diverted for Drilling

Contractor Certification

Name of Journeyman responsible for drilling/construction of well

UNKNOWN NA DRILLER

Company Name

Water Source

SOUTH COUNTRY DRILLING LTD.

Certification No

Copy of Well report provided to owner Date approval holder signed

Diversion Date & Time



NRCB USE ONLY WATER WELL		WATER INFORMATI	ON							
Well IDs:	197996 (decomm	nissioned)								
		irectly affected parties or refe		☐ YES ☑ NO						
	Groundwater related concerns from directly affected parties or referral agencies: Water wells N/A									
Water wells	·	tance requirements applied:	□ VES □ NO Condition	n required: YES NO						
Surface water	N/A	tance requirements applied:	LI YES LINO CONDITION	rrequirea: Lifes Lino						
		ince requirements applied:	TYES □ NO Condition	required: YES NO						
т аррпсавле, ехег	inplication so in dista	ince requirements applied.	TES LINE COMMITTEE	Trequired.						
Water Well Exer	mption Screening T	ool 🛭 N/A								
Wate	r Well ID	Preliminary Screening	Secondary Screening	Facility						
		Score	Score							
Crown deviator are	surface water rela	tod commonts.								
Groundwater or	surface water rela	tea comments:								

manure Storage Lagran.



Proposed 1: Pullet Barn with attached manure storage

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

GENERAL ENVIRONMENTAL INFORMATION

Existing:

(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)

Prop	osec	1 2:	0		Propose	d 3:		
Facility and environmental risk information		Facilities				NRCB USE ONLY		
		-	Existing	Proposed 1	Proposed 2	Proposed 3	Meets requirements	Comments
Flood plain information		What is the elevation of the floor of the lowest manure storage or collection facility above the 1:25 year flood plain or the highest known flood level?	>1 m □ ≤ 1 m	☑ >1 m □ ≤ 1 m	□ >1 m □ ≤1 m		YES NO NO YES with exemption	Not located in a known flood plain
-		How many springs are within 100 m of the manure storage facility or manure collection area?	0	0			YES NO YES with exemption	None observed on site
Surface water	information	How many water wells are within 100 m of the manure storage facility or manure collection area?	0	0			YES NO YES with exemption	None on site; All wells have been decommissioned
Su .	Ē	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	1/4 mile	1/4 mile. to slough			YES NO YES with exemption	500 m to marsh northeast of broiler barn
water		What is the depth to the water table?		>6.1 metrs		-	YES NO YES with exemption	2.4 m in drilling reports from prior applications
Groundwater information		What is the depth to the groundwater resource/aquifer you draw water from?	>6,1m	>6.1 m			YES NO	30.48 m in water well ID# 197996 (decommissioned)

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

Part 2 — Technical Requirements Application under the Agricultural Operation Practices Act for a confined feeding operation, manure collection area



Facility	Groundwater score	Surface water score	File number
Pullet barn with attached manure storage room	Low	Low	LA25055
ST for <u>existing</u> facilities			
Facility	Groundwater score	Surface water score	File number
Duck & goose barn	Low	Low	LA16011
Broiler barn	Low	Low	LA16011
Dairy barn	Low	Low	LA16011
Calf barn (attached to dairy)	Low	Low	LA16011
EMS	Low	Low	LA16011
Dairy corrals	Low	Low	LA16011
Catch basin	Low	Low	LA16011
Solid manure storage	Low	Low	LA16011
ST related comments:			
Chicken layer barn with	Low	Low	LA16011
attached solid manure storage	LOW	LOW	LATOUTT



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

	NRCB USE ONLY						
Neighbour name(s)	Legal land description	Distance (m)	Zoning (LUB) category	MDS category (1-4)	Distance (m)	Waiver attached (if required)	Meets regulations
Rowland Seeds	SW6-9-14-W4	2000 m	Rural Ag	1	3,057	N/A	Yes
John Leghy	SE 34-9-15-W4	1600m	Rural Ag	1	2,156	N/A	Yes
AO Comment: Residence for John	Leahy is on SE 34-08-15 W4.						

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

				NRCB US	SE ONLY
Name of land owner(s)*	Legal land description	Usable area** (ha)	Soil zone ***	Usable area (ha)	Agreement attached (if required)
Midland	5-12-9-15-W4	260	Brown		N/A
,, ,,	5-1-9-15-W4	194	Brown		N/A
// //	5-10-9-15-W4	260	Irra		N/A
// //	5-3-9-15-W4	260	Irra		N/A
/ / 11	5-35-9-15-W4	260	Brown.		N/A
			Tota	520 ha irrigated + 3	714 ha brown

^{*} 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)

^{**} 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

Name Address Legal Land Location Midland Farming

MDS Spreadsheet based on 2006 AOPA Regulations

	eadsheet based on 2006 AOPA					_		
Category	Type of Livestock	Factor A	Technology	MU	LSU		Number of	LSU
of			Factor		Factor		Animals	
Livestock						L		
Feedlot	Beef Cows/Finishers (900+ lbs)	0.700	0.700	0.910	0.4459	L		-
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			-
	Other							-
Dairy	Free Stall – Lactating Cows with all	0.800	1.100	2.000	1.7600	Г	100	176.0
	associated dries, heifers, and							
(*count	calves*							
lactating	Free Stall – Lactating Cows with Dry	0.800	1.100	1.640	1.4432	Г		-
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			-
	only							
	Dry Cow	0.800	0.700	1.000	0.5600	Г		-
	Replacements – Bred Heifers	0.800	0.700	0.875	0.4900			-
	(Breeding to Calving)							
	Replacements - Growing Heifers	0.800	0.700	0.525	0.2940	Г		-
	(350 lbs to breeding)							
	Calves (< 350 lbs)	0.800	0.700	0.200	0.1120			-
	Other					Г		-
Swine	Farrow to finish *	2.000	1.100	1.780	3.9160			-
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		0.200	0.4400	Г		-
,,,	Growers/Roasters	2.000	1.100	0.118	0.2600	Г		-
	Weaners	2.000		0.055	0.1210	Г		_
	Other					Г		-
Swine	Farrow to finish *	2.000	0.800	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	Г		_
sows only)	Feeders/Boars	2.000	0.800	0.200	0.3200	Г		-
,,	Growers/Roasters	2.000	0.800	0.118	0.1888	Г		_
	Weaners	2.000		0.055	0.0880	Г		-
	Other	_,,,,,,	-			Г		_
Poultry	Chicken - Breeders - Solid	1.000	0.700	0.010	0.0070	Г		_
,	Chicken - Layers - Liquid (includes	2.000		0.008	0.0176	Г		-
	associated pullets)	2.000		0.000	0.0110			
	Chicken - Layers - (Belt Cage)	2.000	0.700	0.008	0.0112	r	30,000	336.0
	Chicken - Layers - (Deep Pit)	2.000	0.700	0.008	0.0112	H	00,000	-
	Chicken - Pullets/Broilers	1.000	0.700	0.002	0.0014	r	47.800	66.9
			0.700		0.0140	r	17,000	-
		1 ()()()						
	Turkey - Toms/Breeders Turkey - Hens (light)	1.000		0.020		r		
	Turkey - Hens (light)	1.000	0.700	0.013	0.0091	F		
	Turkey - Hens (light) Turkey - Broilers	1.000 1.000	0.700 0.700	0.013 0.010	0.0091 0.0070		400	- - 28
	Turkey - Hens (light) Turkey - Broilers Ducks	1.000 1.000 1.000	0.700 0.700 0.700	0.013 0.010 0.010	0.0091 0.0070 0.0070		400	2.8
	Turkey - Hens (light) Turkey - Broilers	1.000 1.000	0.700 0.700 0.700	0.013 0.010	0.0091 0.0070		400 400	- 2.8 5.6
Sheen and	Turkey - Hens (light) Turkey - Broilers Ducks Geese Other	1.000 1.000 1.000 1.000	0.700 0.700 0.700 0.700	0.013 0.010 0.010 0.020	0.0091 0.0070 0.0070 0.0140			5.6 -
Sheep and	Turkey - Hens (light) Turkey - Broilers Ducks Geese Geese Other Sheep - Ewes/Rams	1.000 1.000 1.000 1.000 0.600	0.700 0.700 0.700 0.700	0.013 0.010 0.010 0.020 0.200	0.0091 0.0070 0.0070 0.0140 0.0840			5.6 - -
Sheep and Goats	Turkey - Hens (light) Turkey - Broilers Ducks Geese Diber Sheep - Ewes/Rams Sheep - Ewes with lambs	1.000 1.000 1.000 1.000 0.600 0.600	0.700 0.700 0.700 0.700 0.700 0.700	0.013 0.010 0.010 0.020 0.200 0.250	0.0091 0.0070 0.0070 0.0140 0.0840 0.1050			5.6 - - -
	Turkey - Hens (light) Turkey - Broilers Ducks Geese Jiher Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs	1.000 1.000 1.000 1.000 0.600 0.600 0.600	0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.013 0.010 0.010 0.020 0.200 0.250 0.050	0.0091 0.0070 0.0070 0.0140 0.0840 0.1050 0.0210			5.6 - - - -
	Turkey - Hens (light) Turkey - Broilers Ducks Geese Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs Sheep - Feeders	1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.600	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.013 0.010 0.010 0.020 0.200 0.250 0.050 0.100	0.0091 0.0070 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420			5.6 - - - - -
	Turkey - Hens (light) Turkey - Broilers Ducks Geese Diber Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs Sheep - Feeders Goats - Meat/Milk (per Ewe)	1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.600 0.700	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.013 0.010 0.010 0.020 0.200 0.250 0.050 0.100 0.170	0.0091 0.0070 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833			5.6 - - - - -
	Turkey - Hens (light) Turkey - Broilers Ducks Geese Diner Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs Sheep - Feeders Goats - Meat/Milk (per Ewe) Goats - Nannies/Billies	1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.700	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.013 0.010 0.010 0.020 0.200 0.250 0.050 0.100 0.170 0.140	0.0091 0.0070 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833 0.0686			5.6 - - - - -
	Turkey - Hens (light) Turkey - Broilers Ducks Geese Diber Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs Sheep - Feeders Goats - Meat/Milk (per Ewe)	1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.600 0.700	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.013 0.010 0.010 0.020 0.200 0.250 0.050 0.100 0.170	0.0091 0.0070 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833			5.6 - - - - - - -
Goats	Turkey - Hens (light) Turkey - Broilers Ducks Geese Ther Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs Sheep - Lambs Goats - Meat/Milk (per Ewe) Goats - Nannies/Billies Goats - Feeders	1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.700 0.700	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.013 0.010 0.010 0.020 0.200 0.250 0.050 0.100 0.170 0.140 0.077	0.0091 0.0070 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833 0.0686 0.0377			5.6 - - - - - - - -
	Turkey - Hens (light) Turkey - Broilers Ducks Geese Diber Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs Sheep - Feeders Goats - Meat/Milk (per Ewe) Goats - Rannies/Billies Goats - Feeders Diber Elk	1.000 1.000 1.000 1.000 0.600 0.600 0.700 0.700 0.700	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.013 0.010 0.010 0.020 0.250 0.050 0.100 0.170 0.140 0.077	0.0091 0.0070 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833 0.0686 0.0377			5.6 - - - - - - -
Goats	Turkey - Hens (light) Turkey - Broilers Ducks Geese Ther Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs Sheep - Lambs Goats - Meat/Milk (per Ewe) Goats - Nannies/Billies Goats - Feeders	1.000 1.000 1.000 1.000 0.600 0.600 0.600 0.700 0.700	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.013 0.010 0.010 0.020 0.200 0.250 0.050 0.100 0.170 0.140 0.077	0.0091 0.0070 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833 0.0686 0.0377			5.6 - - - - - - - -
Goats	Turkey - Hens (light) Turkey - Broilers Ducks Geese Jiber Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs Sheep - Lambs Sheep - Feeders Goats - Meat/Milk (per Ewe) Goats - Nannies/Billies Goats - Feeders	1.000 1.000 1.000 1.000 0.600 0.600 0.700 0.700 0.700 0.600	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.013 0.010 0.010 0.200 0.250 0.100 0.170 0.140 0.077 0.600 0.200	0.0091 0.0070 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833 0.0686 0.0377			5.6 - - - - - - - -
Goats	Turkey - Hens (light) Turkey - Broilers Ducks Geese Diber Sheep - Ewes/Rams Sheep - Ewes with lambs Sheep - Lambs Sheep - Feeders Goats - Meat/Milk (per Ewe) Goats - Rannies/Billies Goats - Feeders Diber Elk	1.000 1.000 1.000 1.000 0.600 0.600 0.700 0.700 0.700	0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700 0.700	0.013 0.010 0.010 0.020 0.250 0.050 0.100 0.170 0.140 0.077	0.0091 0.0070 0.0070 0.0140 0.0840 0.1050 0.0210 0.0420 0.0833 0.0686 0.0377			5.6 - - - - - - - -

587.3 Total

For New Operations Dispersion Factor

Category

Dist Feet 1,380 1,840 2,300 3,680 Odour Objective 41.04 54.72 68.4 109.44 | Metres | 0 | 421 | 0 | 561 | 0 | 701 | 0 | 1,122 |

For Expanding Operations Dispersion Factor Expansion Factor

		Dista	nce
Category	Odour Objective	Feet	Metres
1	41.04	1,062	324
2	54.72	1,417	432
3	68.40	1,771	540
4	109.44	2.833	864

Midland Farming

Name Address Legal Land Location 0 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	Cows/Finishers (900+ lbs)	0.0	0.0	0.0	0.0	0.0
Animals	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 Bison	0.0	0.0	0.0	0.0	0.0
	Other	0.0	0.0	0.0	0.0	0.0
Dairy	Free Stall – Lactating Cows with all associated dries, heifers, and	100.0	148.5	123.7	92.8	74.2
(*count lactating cows only)	calves* Free Stall – Lactating Cows with Dry Cows only *	0.0	0.0	0.0	0.0	0.0
cows only)	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	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
Cuino	Farrow to finish *	0.0	0.0	0.0	0.0	0.0
Swine Liquid	Farrow to linish *	0.0	0.0	0.0	0.0	0.0
(*count	Farrow to weart	0.0	0.0	0.0	0.0	0.0
sows only)	Feeders/Boars	0.0	0.0	0.0	0.0	0.0
30W3 Offiy)	Growers/Roasters	0.0	0.0	0.0	0.0	0.0
	Weaners Other	0.0	0.0	0.0	0.0	0.0
Swine	Farrow to finish *	0.0	0.0	0.0	0.0	0.0
Solid	Farrow to wean *	0.0	0.0	0.0	0.0	0.0
(*Count	Farrow only *	0.0	0.0	0.0	0.0	0.0
sows only)	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
		0.0				
Poultry	Chicken - Breeders - Solid Chicken - Layers - Liquid (includes	0.0	0.0	0.0	0.0	0.0
	associated pullets)	***			• • • • • • • • • • • • • • • • • • • •	
	Chicken - Layers - (Belt Cage)	30000.0	165.0	138.0	102.0	84.0
	Chicken - Layers - (Deep Pit)	0.0	0.0	0.0	0.0	0.0
	Chicken - Pullets/Broilers	47800.0	155.4	129.5	97.0	77.9
	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	400.0	0.6	0.5	0.4	0.3
	Geese Other	400.0	1.3	1.1	0.8	0.6
Goats and	Sheep - Ewes/Rams	0.0	0.0	0.0	0.0	0.0
Sheep	Sheep - Ewes/Rams Sheep - Ewes with lambs	0.0	0.0	0.0	0.0	0.0
Chloop	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
Consid	Elk	0.0	0.0	0.0	0.0	0.0
Cervid	Elk Deer	0.0	0.0	0.0	0.0	0.0
	Other	0.0	0.0	0.0	0.0	0.0
Wild Boar	Feeders	0.0	0.0	0.0	0.0	0.0
a Doar	Sow (farrowing)	0.0	0.0	0.0	0.0	0.0
	Other	0.0				
	Total Hectares		471	392.8	293.0	237.1
	Total Flectales		77.1	002.0	200.0	20111



NRCB USE ONLY									
MINIMUM DISTANCE SEPARATION									
Methods used to determine	e distance (if applic	cable): _	Google	Earth					
Margin of error (if applicab	ole): <u>+/- 5 m</u>								
Requirements (m): Catego	ory 1: 421	Ca	tegory 2:	561	Category 3:	701	_ Category 4: 1,122		
Technology factor:						☐ YES 【	Z NO		
Expansion factor:						☐ YES 【	Z NO		
MDS related concerns from directly affected parties or referral agencies:									
LAND BASE FOR MA	ANURE AND C	ОМРО	ST API	PLICAT	TION				
Land base required:	237.1 ha irrigat								
Land base listed:	520 ha irrigated		1 ha bro	wn					
Area not suitable:	Already account	ed for							
Available area	520 ha irrigated	<u> </u>	ha brov	wn	Requirement me	t: 🛭 YES	□ NO		
Land spreading agreement	ts required:	☐ YES	☑ NO						
Manure management plan	: 1	☐ YES	☑ NO		If yes, plan is at	tached:]		
PLANS									
Submitted and attached co	onstruction plans:		☑ YES	□ NO					
Submitted aerial photos:			☑ YES	□ NO					
Submitted photos:			☐ YES	☑ NO					
GRANDFATHERING									
Already completed:			☑ YES	□ NO l	□ N/A				
If already completed, see	LA02011A								



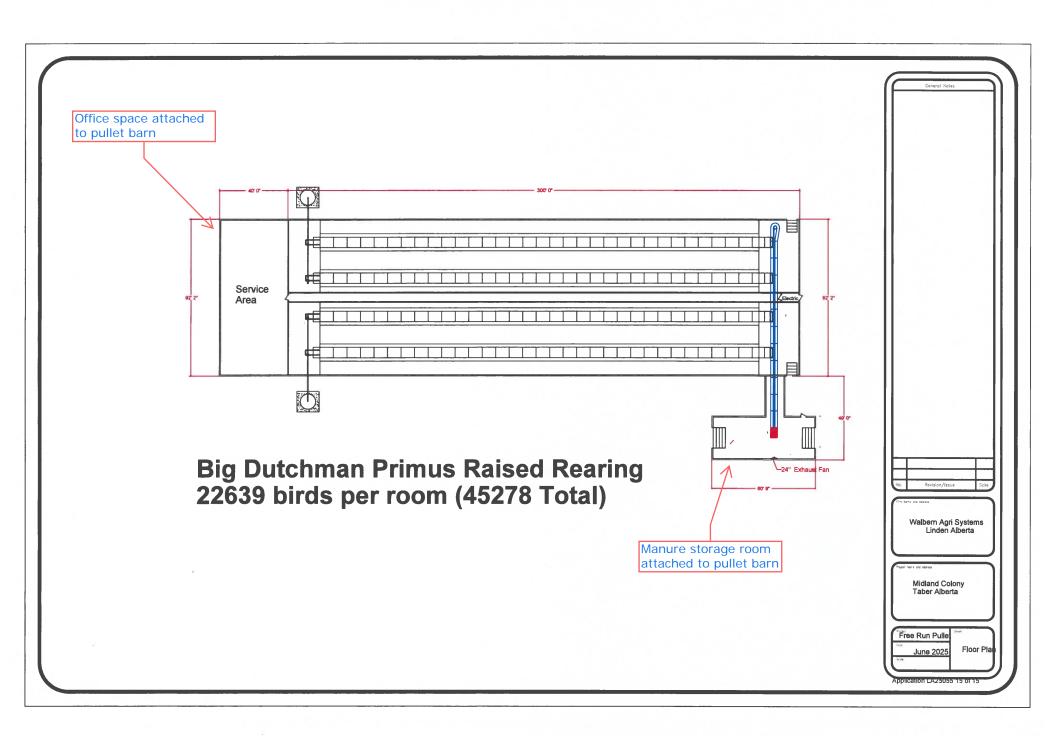
acili	ty description / name (a	s indicated on site	plan)	1. Pullet Bar	n
				2. Manure Stor	age (attached)
ını	re storage capacity			2111	
1	Length (m)	Width (m)	Depth below grade to the bottom of the liner (m)	NRCB USE ONLY Estimated storage capacity (m ³
	Feet (103.6 m) 340 x 84	(25.6 m) 84 d	heet		
	(18.5 m) 60 ft 9 in	49 ft	(14.9 m)		
	omment: Dimensions on a consions of pullet barn a			TOTAL CAPACITY ached office space.	Sufficient capacity with solid manure storage pad
fa es	rements for STMS are set or ce water control systems cribe the run-on and runoff	ut in the NRCB <u>Sho</u> s control system	ort-Term Sol	part of my manure storage and lid Manure Storage Requirements	
quii ı rf a	rements for STMS are set of cements for STMS are set of ce	ut in the NRCB <u>Sho</u>			
rfa es	rements for STMS are set of cements for STMS are set of ce	ut in the NRCB <u>Sho</u> s control system	ort-Term Sol		
rfa es	rements for STMS are set or ce water control systems cribe the run-on and runoff	ut in the NRCB <u>Sho</u> s control system	ort-Term Sol		
ui: es:	rements for STMS are set or ce water control systems cribe the run-on and runoff	ut in the NRCB <u>Sho</u> s control system	ort-Term Sol		
uir es	rements for STMS are set or ce water control systems cribe the run-on and runoff	ut in the NRCB <u>Sho</u> s control system	ort-Term Sol		
rfaes	rements for STMS are set of the ce water control systems cribe the run-on and runoff	s control system	ort-Term Sol	lid Manure Storage Requirements	
uii es	rements for STMS are set of the water control systems cribe the run-on and runoff systems with the run of the run o	s control system Roop rity of the liner will	S,	ined	
rfa es	cements for STMS are set of the control systems cribe the run-on and runoff systems. The control systems cribe the run-on and runoff systems cribe the runoff systems cribe the run-on and runoff systems cribe the runoff systems cribe the runoff sy	s control system Roop rity of the liner will	S,	ined	
rfa es	cements for STMS are set of the control systems cribe the run-on and runoff systems. The control systems cribe the run-on and runoff systems cribe the runoff systems cribe the run-on and runoff systems cribe the runoff systems cribe the runoff sy	s control system Roop rity of the liner will	S,	ined	
nei Des	cements for STMS are set of the control systems cribe the run-on and runoff systems. The control systems cribe the run-on and runoff systems cribe the runoff systems cribe the run-on and runoff systems cribe the runoff systems cribe the runoff sy	s control system Roop rity of the liner will	S,	ined	
nei	cements for STMS are set of the control systems cribe the run-on and runoff systems. The control systems cribe the run-on and runoff systems cribe the runoff systems cribe the run-on and runoff systems cribe the runoff systems cribe the runoff sy	s control system Roop rity of the liner will	S,	ined	



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 Method of sulphate protection: Concrete thickness Type 50 8 inches Concrete reinforcement size and spacing Concrete strength 15 mil by 16 inch on centre 28 MPa Concrete requirements can be found in Technical Guideline Agdex 096-93 NRCB USE ONLY Guideline minimums: YES NO Requirements met: Solid manure: 25MPa (D) Solid manure (wet): 30MPa (C) YES NO Condition required: Method of sulphate protection: Type 50 or Type 10 with fly ash or equivalent YES NO Report attached: Additional information (attach as required) NRCB USE ONLY Nine month manure storage volume requirements met YES YES With STMS NO 2.4 m below grade YES NO Depth to water table: Requirements met: Depth to Uppermost groundwater resource: 30.48 m below grade Requirements met: 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 concrete 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: TYES NO If yes, please explain why.

Last updated February 26, 2021





NRCB USE ONLY							
ALL SIGNATURES I	IN FILE	YES []NO				
DATES OF APPROV	AL OFFICER SITE V	ISITS					
July 8, 2025							
CORRESPONDENCE	WITH MUNICIPAL	ITIES AN	ND REFERRA	AL /	AGENC	IES	
Date deeming letters sent	: _ July 16, 2025				-		
Municipality: MD of Ta	aber				_		
letter sent	response received	writter	n/email		verbal		no comments received
Alberta Health Service	s: 🗹 N/A						
☐ letter sent	☐ response received	☐ writter	n/email		verbal		no comments received
Alberta Environment ar	nd Parks:						
☑ letter sent	response received	writter	n/email		verbal		no comments received
Alberta Transportation	: 🔽 N/A						
☐ letter sent	response received	☐ writter	n/email		verbal		no comments received
Alberta Regulatory Ser	vices: N/A						
☐ letter sent	response received	☐ writter	n/email		verbal		no comments received
	rrigation District, Oldma rty Mile Gas Co-op Ltd.	ın River Re	gional Plannir	ng ——	[□ N/A	
letter sent	response received	☐ writter	n/email		verbal		no comments received
Other:						□ N/A	
☐ letter sent	response received	☐ writter	n/email		verbal		no comments received