

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

	Application number	MITTER TO SERVICE TO S	and description
☐ Approval ☐ Registration ☐ Authorization	BA24017	SE 21	-62-3 W5M
Amendment			
PPLICATION DISCLOSURE		***	
his information is collected under the authority of the Agrovisions of the Freedom of Information and Protection of the request that certain sections remain private.			
ny construction prior to obtaining an NRCB permit rosecution.	is an offence and is subject to	enforcement	action, including
, the applicant, or applicant's agent, have read and unde rovided in this application is true to the best of my know	rstand the statements above, and i rledge.	acknowledge	that the information
Jan 20/25			
ate of signing	Signature	1	0 1
Arn El Form Ltd	Bruce	Van	Jish
Corporate name (if applicable)	Print name		J
SENERAL INFORMATION REQUIREMENTS			
Proposed facilities: list all proposed confined feeding	operation facilities and their dimens	sions. Indicate	whether any of the
reposed racing the an proposed commed recaing	The second secon		
			imonsions ()
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Existing facilities continued	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
Starp stud.	30'X72'	
1		
manure pad for shilters.	180'x 70'	



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	vanisaine en ald f	seilibe planca	avalaia what will bana	en to the old facility an	duhan X	N/A
Their racincy is	replacing all old i	active, please	explain what will happ	ven to the old racinty an	d Wileii. E	14/7
itional informat				r 2025		
		1 .	14	1 1 1		
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Would	like to	start	Apris with	dirtwork.		

**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
layer hens (plus associated		+ 20 000	20000
layer hens (plus associated pullet)			
hogs (Fto F)			à



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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 coupled to my AOPA permit application.
igi	ned thisday of, 20Signature of Applicant or Agent
	TION 2: Processing the AOPA permit and Water Act licence separately
JP	110N 2: Processing the AOPA permit and Water Act heenee Separatery
	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 <b>independently of</b> 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 <i>Water Act</i> .
4.	I (we) acknowledge that any construction or actions to populate the CFO with livestock pursuant to a AOPA permit in the absence of a <i>Water Act</i> licence will <b>not</b> be relevant to EPA's consideration of whether to grant the <i>Water Act</i> licence application.
	whether to drant the water Act licence application.
	I (we) acknowledge that any such construction or livestock populating 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> ).
6.	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.
6. 7.	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.  Provide: Water licence application number(s)
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Application Page 4 of 15

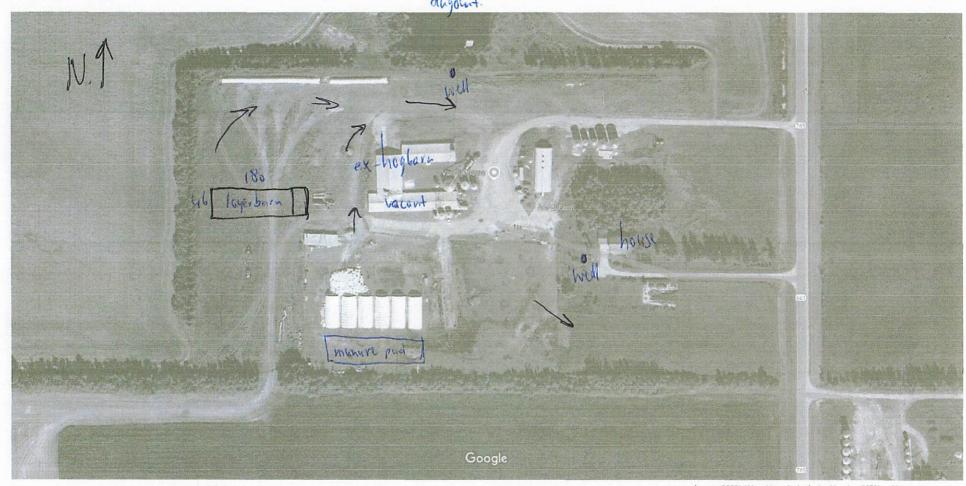


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## OPTION 4: Uncertain if Water Act licence is needed; acknowledgement of risk (for existing CFOs only)

- 1. At this time, I (we) do not know whether a new water licence is needed from 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).
- 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 num	ber(s) or water conveyance agr	eement details
Signed this	day of	, 20	
			Signature of Applicant or Agent



Imagery ©2025 Airbus, Maxar Technologies, Map data ©2025 20 m

St 21 - 62 - 3 W5.



## Yard Water Well Drilling Report

View in Imperial Export to Excel

GIC Weil ID

499067

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

GoA Well Tag No.
Drilling Company Well ID
Date Report Received 2001/07/31

Well Identification and Location			Measurement in Met
Owner Name Address NANNINGA, ARNOLD NEERLANDIA	Town	n Provin	nce Country Postal Code
Location         1/4 or LSD         SEC         TWP         RGE           SE         21         62         3	W of MER Lot 5		litional Description
Measured from Boundary of m from m from	GPS Coordinates in De Latitude <u>54.374062</u> How Location Obtained Map	cimal Degrees (NAD 83) Longitude <u>-114.383304</u>	Elevation m  How Elevation Obtained  Not Obtained
Drilling Information  Method of Drilling Rotary  Proposed Well Use Domestic & Stock	Type of Work New Well		
Formation Log  Depth from Water ground level (m) Bearing  4.88 Soft Clay	deasurement in Metric	2001/05/08	oval Rate (L/min) Static Water Level (m) 17.28 56.69
63.40 Shale 76.50 Sandstone 110.34 Shale 147.83 Sandstone 152.40 Shale		Well Completion Total Depth Drilled Finished 1 152.40 m  Borehole     Diameter (cm)     0.00 Surface Casing (if applicable Steel     Size OD:     Wall Thickness:	Measurement in Met

**Contractor Certification** 

Name of Journeyman responsible for drilling/construction of well

**UNKNOWN NA DRILLER** 

Company Name

MAHAR, VERN DRILLING SERVICES

Certification No

Copy of Well report provided to owner Date approval holder signed



# Water Well Drilling Report

View in Imperial Export to Excel

GIC Well ID GoA Well Tag No.

499067

GOWN ID	accuracy. The in	formation on t	his report will be r	retained in a pu	ublic databas	e.		Date Report Receiv	
Well Identification and I	ocation								Measurement in Metric
Owner Name NANNINGA, ARNOLD	<i>Address</i> NEERLAN	DIA		Town			Province	Country	Postal Code
Location 1/4 or LSD SE	SEC TWP 21 62	RGE 3	W of MER 5	Lot	Block	Plan	Additio	nal Description	
Measured from Boundary	of m from m from		GPS Coordin Latitude <u>5</u> How Location Map	4.374062	•	es (NAD 83) ude <u>-114.3</u>		Elevation How Elevation Ob Not Obtained	
Additional Information  Distance From Top of Case Is Artesian Flow			cm	Is	Flow Cont				Measurement in Metric
RateRecommended Pump RateRecommended Pump Inte	<u></u>		13.64 L/min 137.16 m	•	Installed 1	'es		Depth	m H.P. 1
Did you Encounter Salir Remedial Action Taker. Additional Comments of DRILLER REPORTS DIS	n Well	Gas	Depth		<u>m</u>	Geo	physical Log Submitted to		
Yield Test Test Date 2001/05/08	Start Time 12:00 AM	Static	Water Level 56.69 m		Pum	Tal	Dept	Ground Level h to water level Hapsed Time Minutes:Sec	Measurement in Metric  Recovery (m)
Method of Water Remov Type _ Removal Rate Depth Withdrawn From If water removal period wa	17.28 L/min 152.40 m							0:00 35:00 40:00 50:00 60:00 75:00	152.40 91.44 83.82 68.58 59.44 56.69
Water Diverted for Drilli Water Source	ng	Атоц	int Taken L	'-	·		Diversio	n Date & Time	

**Contractor Certification** 

Name of Journeyman responsible for drilling/construction of well

**UNKNOWN NA DRILLER** 

Company Name

MAHAR, VERN DRILLING SERVICES

Certification No

Copy of Well report provided to owner Date approval holder signed



# Abertan Water Well Drilling Report

View in Imperial Export to Excel 364867

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

Rotary

Proposed Well Use

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 detabase.

New Well

GOWN ID		•	ouracy. The n	mornibuon oi	and report was be t	icamou in a j	papilo dalaba			Date Report Received	1988/08/10
Well Iden	tification and L	ocation.									Measurement in Metric
Owner Nar NANNING	ne A, ARNOLD		Address RR1 BAR	RHEAD		Town			Province	Country	Postal Code T0G 0E0
Location	1/4 or LSD SE	SEC 21	TWP 62	RGE 3	W of MER 5	Lot	Block	Plan	Additio	nal Description	
Measured	from Boundary o	of			GPS Coordin	nates in Dec	cimal Degre	es (NAD 83)			
	•	m from			Latitude <u>5</u>	4.374062	Longi	tude <u>-114.3</u>	83304	Elevation	<u>m</u>
		m from			How Location	n Obtained				How Elevation Obtain	ned
ı					Мар					Not Obtained	
Drilling Inf	formation										·
Method of	Drilling			- 1	Type of Wor	rk					

Domestic & Stor	ck	
Formation Log	3	Measurement in Metric
Depth from ground level (m	Water ) Bearing	Lithology Description
20.73		Soft Clay
74.07		Hard Clay
78.03	Yes	Water Bearing Sandstone
86.87	1	Shale
97.54	Yes	Water Bearing Sandstone
133.50		Shale
146.30	Yes	Water Bearing Sandstone

Yield Test Summary	Measurement in Metric
Recommended Pump Rate31.82	2 L/min
Test Date Water Removal Rate (L	/min) Static Water Level (m)
1988/07/19 31.82	43.28
Well Completion	Measurement in Metric
Total Depth Drilled Finished Well Depth	
146.30 m	1988/07/18 1988/07/19
Borehole	
Diameter (cm) From 0.00 0.0	(m) <u>To (m)</u> 0 146.30
	Well Casing/Liner Plastic
	Size OD : 11.43 cm
Wall Thickness : 0.478 cm	Wall Thickness : 0.635 cm
Bottom at : 29.26 m	Top at : 24.38 m
	Bottom at : 146.30 m
Perforations Diameter or	
Slot Width From (m) To (m) (cm) 73.15 146.30 0.318	Slot Length Hole or Slot (cm) Interval(cm) 7.62
Perforated by Machine	
Annular Seal Driven & Welded Ring	
Placed from 0.00 m to	29.26 m
Amount	•
Other Seals	
Туре	At (m)
Screen Type	
Size OD : 0.00 cm	
From (m) To (i	m) Slot Size (cm)
Attachment	
Top Fittings	Bottom Fittings
Pack	
Туре	Grain Size
Amount 0.00	

Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER

Company Name MAHAR, VERN DRILLING SERVICES Certification No

Copy of Well report provided to owner Date approval holder signed



## Water Well Drilling Report

View in Imperial Export to Excel

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

364867

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.

1988/08/10 **Date Report Received** 

Well Identification and Location						Measurement in Metric
Owner Name NANNINGA, ARNOLD	Address RR1 BARRHEAD		Town	Pro	vince Country	Postal Code T0G 0E0
Location 1/4 or LSD SEC SE 21	TWP RGE 62 3	5	Lot Block		Additional Description	
Measured from Boundary of m from m from			s in Decimal Degre 74062 Longi blained		Elevation How Elevation O Not Obtained	
Additional Information				-		Measurement in Metric
Distance From Top of Casing to Gro Is Artesian Flow Rate		<u>cm</u>		trol Installed		
Recommended Pump Rate	<u> </u>	31.82 L/min	Pump Installed			m
Recommended Pump Intake Depth (	From TOC)	0.00 m	Туре	Mai	ke	
						Rating)
Did you Encounter Saline Water (>			<u> </u>		Upon Completion	
Remedial Action Taker	Gas	Depth	m		cal Log Taken itted to ESRD	
Additional Comments on Well			Sample Co	ollected for Potabil	ity Sub	omitted to ESRD
Yield Test				Taken F	rom Ground Level	Measurement in Metric
Test Date Start Tim 1988/07/19 12:00 AN		ic Water Level 43.28 m	Pum	ping (m)	Depth to water level Elapsed Time Minutes:Sec	Recovery (m)
<del></del>	31.82 L/min 91.44 m s, explain why					
Water Diverted for Drilling						
Water Source	Arr	nount Taken L		Di	iversion Date & Time	

Contractor Certification

Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER

Company Name MAHAR, VERN DRILLING SERVICES

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	cription / name (as indicated on site p			Proposed 1: layer barn				
	12:				d 3:			
Facility and environmental risk information		Facilities				NRCB USE ONLY		
		Existing	Proposed 1	Proposed 2	Proposed 3	Meets requirements	Comment	
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 YES with exemption		
	How many springs are within 100 m of the manure storage facility or manure collection area?	0	no			YES NO YES with exemption		
information	How many water wells are within 100 m of the manure storage facility or manure collection area?	1	0			YES NO YES with exemption		
in ji	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	7500	>500			YES NO YES with exemption		
vater	What is the depth to the water table?		>5			☐ YES ☐ NO ☐ YES with exemption		
Groundwater information	What is the depth to the groundwater resource/aquifer you draw water from?	200'	300			YES NO YES with exemption		

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



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

			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	
Matt & Char Manninga	NW15 62-3 WS	487		ALCOHOL STATE				
Arnol-8 Liz Manninga	NE 16 62-3 WS	524						
Janssen	NE 21 62-3 WS	1230						
Karlen + Evelyn Krikke	SW 22 62-3WS	030						
Most Agreen	NW 22 62-3 US							

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

AND BASE FOR MANORE AND COME					
Legal land description	Usable area** (ha)	Soil zone ***	Usable area (ha)	Agreement attached (if required)	
NE16-62-3 W8	45	grey			
SE21-62-3-Ws	50	grey			
NE 14-62-3 WS	64	grey			
		Total			
	Legal land description  NE 16 - 62 - 3 W8  SE 21 - 62 - 3 - Ws	Legal land description Usable area** (ha)  NE 16 -62 - 3 Ws 45  SE 21 -62 - 3 - Ws 50	Legal land description    Usable area** (ha)   Soil zone ***	Legal land description  Usable area** (ha)  Soil zone ***  Usable area (ha)  NE 16 - $62 - 3$ W8 45  Grey  NE 14 - $62 - 3$ U5  Grey  NE 14 - $62 - 3$ U5  Grey  NE 14 - $62 - 3$ U5	

<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





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EAT-OHACLONG	te liner)		nd storage facility for solid manure, cor	
cility	description / name (as	indicated on site plan)	1. layer barn	
,			2,	
			2.	
anure	storage capacity			WIND HOT ONLY
	Length (m)	Width (m)	Depth below grade to the bottom of the liner (m)	NRCB USE ONLY Estimated storage capacity (m³)
1.	1801	46'	liner is above grade.	
2.				
			TOTAL CAPACITY	
rfac	e water control system:	ut in the NRCB Short-Teri s control system	m Solid Manure Storage Requirements	ract Silect.
rfac	e water control system:	ut in the NRCB Short-Teri s control system	the barn, hander a	ract Silect.
escr Descr	e water control systems be the run-on and runoff  Manuse S	st in the NRCB Short-Teri	the Garn, harder a	ract Silect.
Jescr Descr	e water control systems be the run-on and runoff	st in the NRCB Short-Teri	the Garn, harder a	ract Silect.
Descr	e water control systems be the run-on and runoff  Manuse S  protection ibe how the physical integral	st in the NRCB Short-Teri	the Garn, harder a	ract Silect.
urfac Descr	e water control systems be the run-on and runoff  Manuse S  protection ibe how the physical integral	st in the NRCB Short-Teri	the Garn, harder a	ract sneet.
urfac Descr	e water control systems be the run-on and runoff  Manuse S  protection ibe how the physical integral	st in the NRCB Short-Teri	the Garn, harder a	



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

oncrete liner details Concrete thickness	Mothod of a	ulphate protection:				
Concrete thickness		_				
5	Tso or similar					
Concrete strength	10 mm rubar @ 16 spacing					
,25 mpa						
Concrete requirements can be found in Technical Guidelin 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  dditional information (attach as required)	e Agdex 096-93	Requirements met: YES NO NOTE OF THE PROPERTY				
NRCB USE ONLY						
Nine month manure storage volume requirements met	☐ YES	YES With STMS	□ NO			
Depth to water table:	_ R	equirements met:	YES NO			
Depth to Uppermost groundwater resource:	R	equirements met:	YES NO			
Surface water control systems  Requirements met:  YES NO Details/comment	s:					
Concrete liner details						

Last updated February 26, 2021