#### Technical Document RA25014

#### **Part 2** — Technical Requirements



NRCB USE ONLY	Application number	Legal land description		
Approval Registration Authorization	RA25014 E	1/2 6-47-6 W4M		
APPLICATION DISCLOSURE	**************************************	,		
his information is collected under the authority of the Agrovisions of the Freedom of Information and Protection or itten request that certain sections remain private.				
ny construction prior to obtaining an NRCB permit rosecution.	is an offence and is subject to enfor	cement action, including		
, the applicant, or applicant's agent, have read and unde		nowledge that the information		
rovided in this application is true to the best of my know February -14-2025				
Spring hidge Holdings Ltd. corporate name (if applicable)	David M Tsch Print name	etter		
SENERAL INFORMATION REQUIREMENTS				
<b>Proposed facilities:</b> list all proposed confined feeding opposed facilities are additions to existing facilities. (at		Indicate whether any of the		
Proposed facilities		Dimensions (m) (length, width, and depth)		
Layer barn - for Egg Pro	duction (Layer barn #2) 4	88"-110" (148.7m x 33		
Manure shed	<u>b</u>	1'- 26' (18.6m x 7.9m		
Service erea-	ji ji	2'-110' (34.1m x 33.5		
Pulating Spallition the A18 and the part Spal Spalling	naustica facilities and their discount			
Existing facilities: list ALL existing confined feeding o	Dimensions (m)			
Existing facilities	(length, width, and d	I IIICO OSE CITET		
	100/ 00/	All existing facilities		
Duck-Barn	192'x33'			
Duck-Barn Broiler-Barn Chicker Layer Born	3641'x 70'	confirmed		



Existing facilities continued	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
Pullet Barn	200'x 30'	
Has Barn - Decomisioned	435'x 225"	Not a CFO Facility
Hog Barn - Decomisioned Slurry Store-"in use for chick	en 212 diameter	
2		
		0.0030 - 1 -
Liv.		
	_	
	T I	
4)	-	
	n 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	*
8		



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

	 Chicken layer			•	-	llet barn
ts:						
						80
	 	1/000	1	. 20 0000		

itional information				
		114	10	

**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
Information from part 1 application:	.29		18
Chicken layers (plus associated pullets)	16,000	34,400	50,400
Chicken broilers	32,000	0	32,000
Ducks	1200	0	1200
Geese	275	0	275
Approval RA25014 includes the gran	dfathered numbers of 1	,600 ducks and 500 gee	se
		Ē	
		E	
in the second se	211		
Ţ.			



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 Protected Areas (EPA) for a confined feeding operation (CFO)

Date and sign one of the following four options

<u>OP</u>	I DO want my water licence application coupled to my AOF	
	T be want my water meetice application coupled to my No.	W perme apprecation.
Sign	gned thisday of, 20	Signature of Applicant or Agent
<u>OP</u>	PTION 2: Processing the AOPA permit and Water Act li	cence separately
1.	. I (we) acknowledge that the CFO will need a new water lic development or activity proposed in this AOPA application.	
2.	<ul> <li>I (we) request that the NRCB process the AOPA application CFO's application for a water licence.</li> </ul>	n <b>independently of</b> EPA's processing of the
3.	In making this request, I (we) recognize that, if this AOPA NRCB's decision will not be considered by EPA as improvin water licence under the Water Act.	The state of the s
4.	I (we) acknowledge that any construction or actions to po AOPA permit in the absence of a Water Act licence will not whether to grant the Water Act licence application.	
5.	I (we) acknowledge that any such construction or livestock the Water Act licence application is denied or if the operativiolation of the Water Act. This risk includes being require further construction, or to remove "works" or "undertaking	ion of the CFO is otherwise deemed to be in ed to depopulate the CFO and/or to cease
	. <b>AS RELEVANT:</b> I (we) acknowledge that the CFO is located and that, pursuant to the <i>Bow, Oldman and South Saskato</i> [Alta. Reg. 171/2007], this basin is currently closed to new <b>Bravide:</b> Water lisense application number (s)	chewan River Basin Water Allocation Order water allocations.
	. <b>Provide:</b> Water licence application number(s) gned this day of, 20	
Sig	gried this day of, 20	Signature of Applicant or Agent
<u>OP</u>	PTION 3: Additional water licence not required	*
	. I (we) declare that the CFO will not need a new licence from development or activity proposed in this AOPA application	
2.	. Provide: Water license number(s) or water conveyance a  Surface water licence	greement details
۵.	igned this 14 day of February , 2025.	
Sig	gned this 17 day of 1 chrunky , 20 45.	Signature of Applicant or Agent

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



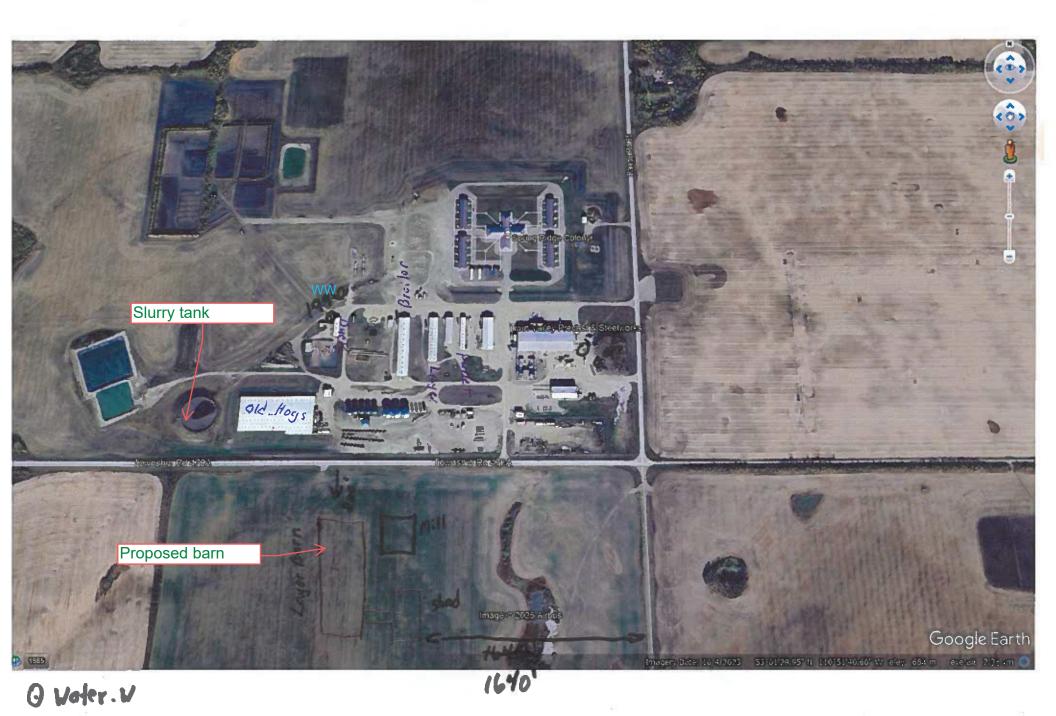
Signature of Applicant or Agent

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

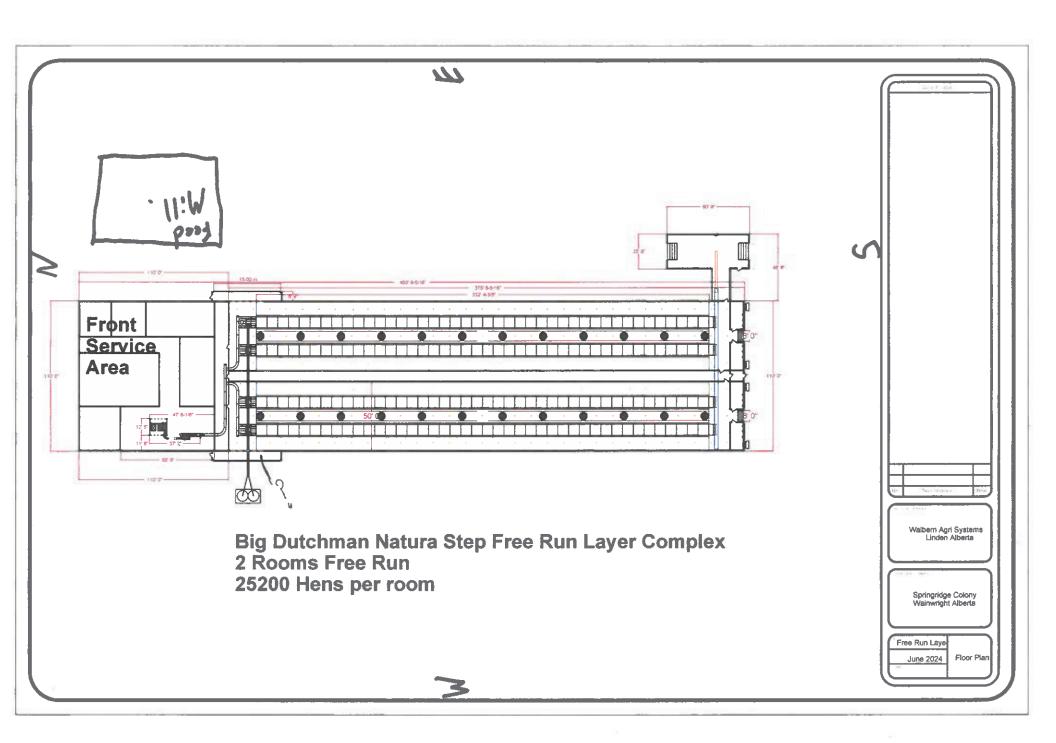
# OPTION 4: Uncertain if Water Act licence is needed: acknowledgement of risk (for existing CFOs only)

- 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 <u>not</u> 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





Page 7 of 12 RA25014 TD Page 7 of 16





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

GENEDAL	<b>ENVIRONMENTAL</b>	INFORMATION
GENERAL	LINTINGUINEINIAL	TIM OKLIVITOR

(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:

Fig. 1. New - Chicken | Chi

Propose	d 2:	1000		Propose			47. 30.05.10.00.00.00.00.00.00.00.00.00	
Facility and environmental risk				lities	•	NRCB USE ONLY		
T delli	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?	>1 m ☐ ≤ 1 m	>1 m □ ≤ 1 m	□ >1 m □ ≤1 m	☐ > 1 m ☐ ≤ 1 m	YES NO YES with exemption	> 1 m above flood plain	
- E	How many springs are within 100 m of the manure storage facility or manure collection area?	0	0			YES NO YES with exemption	No spring noted during a site visit	
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	No water wells within 100 m of existing or proposed CFO facilities	
Su	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	1000'	830'		122	YES NO YES with exemption	There are sloughs within 300 m e and south of the proposed barn	
water	What is the depth to the water table?		20'			YES NO YES with exemption	Estimated at more than 4 m	
Groundwater information	What is the depth to the groundwater resource/aquifer you draw water from?	90 4	80 M			YES NO YES with	UGR identified at 27.4 m in WW ID# 287595	

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



RCB USE ONLY ENVIRONMENTAL RISK SCR	EENING INFORMATI	ON	
RST for <u>proposed</u> facilities			
Facility	Groundwater score	Surface water score	File number
Layer barn with manure shed attached	Low	Low	RA25014
RST for <u>existing</u> facilities			
Facility	Groundwater score	Surface water score	File number
Slurry tank (chicken manure)	Low	Low	RA25014
RST related comments:			



NRCB USE ONLY WATER WELL	AND SURFACE	WATER INFORMATI	ON	
Well IDs:	_287595, 287594 and	1 272700_		
-				
Surface water rela	ted concerns from di	rectly affected parties or refe	erral agencies:	☐ YES 🔽 NO
		ectly affected parties or refe	rral agencies:	☐ YES <b>反</b> NO
Water wells  If applicable, even	N/A	ance requirements applied:	□ VES □ NO Condition	n required: YES NO
	N/A	ance requirements applied.	_ res _ res _ condition	rrequired. — 123 — NO
	* *	nce requirements applied:	YES NO Condition	required: YES NO
Water Well Exen	nption Screening To	pol 🗸 N/A		
Water	· Well ID	Preliminary Screening	Secondary Screening	Facility
		Score	Score	
Groundwater er	surface water relat	tod comments:		
Groundwater or	Surface water relat	led comments.		



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

	Legal land description	Distance (m)	NRCB USE ONLY					
Neighbour name(s)			Zoning (LUB) category	MDS category (1-4)	Distance (m)	Waiver attached (if required)	Meets regulations	
Dereck Cusack	SE-31-47-6-W4	1200 M	Agriculture	1	1,200		Yes	
Stanley Skinner	NW-5-47-6-W4		Agriculture	1	544		Yes	
S 10								
Statistic - 1000		110000						

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

				NRCB USE ONLY		
Name of land owner(s)*	Legal land description	Usable area** (ha)	Soil zone ***	Usable area (ha)	Agreement attached (if required)	
Spring Ridge Holdings	Sec-9-47-6-W4	640 ac	Black			
	N-E-4-47-6-W4	160 00	Black			
	SW-4-47-6-WH	160 06	Black			
V	SE-4-47-6-W4	160 00	Black			
			Total	453 hectares		

<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



NRCB USE ONLY	
MINIMUM DISTANCE SEPARATION	
Methods used to determine distance (if applicable):Google Earth	
Margin of error (if applicable):	
Requirements (m): Category 1:501 Category 2:668 Category 3:	835 Category 4:1.337
Technology factor:	☐ YES   NO
Expansion factor:	☐ YES   NO
MDS related concerns from directly affected parties or referral agencies:	☐ YES   NO
LAND BASE FOR MANURE AND COMPOST APPLICATION  Land base required:274 hectares Land base listed:453 hectares Area not suitable:0  Available area453 hectares  Requirement mediand spreading agreements required: ☐ YES ✓ NO  Manure management plan: ☐ YES ✓ NO  If yes, plan is an approximate the plan is	et: VES  NO ttached:
PLANS	
Submitted and attached construction plans: $\checkmark$ YES $\square$ NO	
Submitted aerial photos: YES \( \square\) NO	
Submitted photos: ☐ YES ▼NO	
GRANDFATHERING	
Already completed: ☐ YES ☑ NO ☐ N/A	
If already completed, see	
If already completed, see	



NRCB USE ONLY					
ALL SIGNATURES	IN FILE	YES NO			
DATES OF APPROV	AL OFFICER SITE V	/ISITS			
February 14, 2025	<u> </u>				
CORRESPONDENC	E WITH MUNICIPAL	ITIES AND REFE	ERRAL AGENC	IES	
Date deeming letters sen	t:March 7, 2025				
Municipality:MD o	f Wainright				
letter sent	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	nd Parks:				
✓ letter sent	✓ response received	written/email	☐ verbal		no comments received
Alberta Transportation	n: N/A	•			
☐ letter sent	response received		☐ verbal	П	no comments received
			□ verbar		no comments received
Alberta Regulatory Ser	rvices: 🗸 N/A				
☐ letter sent	response received	☐ written/email	☐ verbal		no comments received
Other: Cenovus and	d County of Vermilion Riv	ver (ROW)		□ N/A	
	☐ response received				no comments received
va letter sent	☐ response received	□ writteri/erriaii	□ Verbai	¥	no comments received
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)

oncrete liner)		torage facility for solid manure, c	
cility description / name (	as indicated on site plan)	1. Chicken-layer	barh
			Warri
	;	2. Manure-Shed	
nure storage capacity		1	
Length (**)	Width (🖘)	Depth below grade to the bottom of the liner (m)	NRCB USE ONLY Estimated storage capacity (m³
488' (148.7 m)	(33.5 m)	0'	
61 (18.6 m)	<b>26'</b> (7.9 m)	0'	9 months
Y.		TOTAL CAPACITY	
face water control system scribe the run-on and runof	out in the NRCB <u>Short-Term So</u> ns	part of my manure storage and lid Manure Storage Requirements	Fact Sheet.
face water control system scribe the run-on and runof	out in the NRCB Short-Term So ns ff control system	lid Manure Storage Requirements	Fact Sheet.
face water control system scribe the run-on and runof	out in the NRCB Short-Term So ns ff control system	lid Manure Storage Requirements	Fact Sheet.
irements for STMS are set face water control system scribe the run-on and runof Building with	out in the NRCB Short-Term So ns ff control system	lid Manure Storage Requirements	Fact Sheet.
face water control system scribe the run-on and runof Building wife	out in the NRCB Short-Term So ns ff control system	alls.	Fact Sheet.
face water control system scribe the run-on and runof Building with a scribe the run-on and runof building with a scribe how the physical interpretation.	ns  ff control system  A oo fs and Wa	alls.	Fact Sheet.
face water control system scribe the run-on and runof Building with a scribe the run-on and runof building with a scribe how the physical interpretation.	ns  ff control system  A oo fs and Wa	alls.	Fact Sheet.
face water control system scribe the run-on and runof Building with a scribe the run-on and runof building with a scribe how the physical interpretation.	ns  ff control system  A oo fs and Wa	alls.	Fact Sheet.
face water control system scribe the run-on and runof Building with a scribe the run-on and runof building with a scribe how the physical interpretation.	ns  ff control system  A oo fs and Wa	alls.	Fact Sheet.

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 sulphate protection: Guideline minimums: YES NO Requirements met: Solid manure: 25MPa (D) Solid manure (wet): 30MPa (C) Condition required: Method of sulphate protection: Type 50 or Type 10 with fly ash or equivalent Report attached: Additional information (attach as required) NRCB USE ONLY Nine month manure storage volume requirements met 🗸 YES YES With STMS YES NO Depth to water table: Requirements met: YES INO Depth to Uppermost groundwater resource: \_ Requirements met: ERST completed: see ERST page for details Surface water control systems Requirements met: YES NO Details/comments: Concrete liner details Leakage detection system required: $\square$ YES $\bigvee$ NO If yes, please explain why.

Last updated February 26, 2021