

# Part 2 – Technical Requirements

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

<b>NRCB USE ONLY</b>	Application number	Legal land description
<input type="checkbox"/> Approval <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Authorization <input type="checkbox"/> Amendment	<span style="font-size: 1.2em; color: blue;">LA24048</span>	<span style="font-size: 1.2em; color: blue;">NE 26-9-21 W4M</span>

## APPLICATION DISCLOSURE

This information is collected under the authority of the *Agricultural Operation Practices Act (AOPA)*, and is subject to the provisions of the *Freedom of Information and Protection of Privacy Act*. This information is public unless the NRCB grants a written request that certain sections remain private.

**Any construction prior to obtaining an NRCB permit is an offence and is subject to enforcement action, including prosecution.**

I, the applicant, or applicant's agent, have read and understand the statements above, and I acknowledge that the information provided in this application is true to the best of my knowledge.

Date of signing <span style="font-size: 1.2em; color: blue;">Nov 20, 2024</span>	Signature 
Corporate name (if applicable) <span style="font-size: 1.2em; color: blue;">Craft Quality Poultry Ltd</span>	Print name <span style="font-size: 1.2em; color: blue;">John Erkelens</span>

## GENERAL INFORMATION REQUIREMENTS

**Proposed facilities:** list all proposed confined feeding operation facilities and their dimensions. Indicate whether any of the proposed facilities are additions to existing facilities. (attach additional pages if needed)

Proposed facilities	Dimensions (m) (length, width, and depth)
Renovate current Quonset to house <sup>20000</sup> Quail	50' x 90'
Renovate current Chicken Coop to house <sup>300</sup> layers	15' x 30'
Manure pad w/pony wall (1.25m)	7-3m x 7-3m

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


Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
<span style="font-size: 1.5em; color: blue;">N/A</span>		

**NRCB USE ONLY**

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If a new facility is replacing an old facility, please explain what will happen to the old facility and when.  N/A



Construction completion date for proposed facilities July 15, 2025

**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

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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*

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

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

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

\_\_\_\_\_  
*Signature of Applicant or Agent*

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

1. I (we) acknowledge that the CFO will need a new water licence from EPA under the *Water Act* for the development or activity proposed in this AOPA application.
2. 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 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 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*).
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 licence application number(s) \_\_\_\_\_

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

\_\_\_\_\_  
*Signature of Applicant or Agent*

#### **OPTION 3: Additional water licence not required**

1. I (we) declare that the CFO will not need a new licence from EPA under the *Water Act* for the development or activity proposed in this AOPA application.
2. **Provide:** Water license number(s) or water conveyance agreement details SMRID-5 acres permanent water right  
COLRWA - 1 unit Potable Water - 700 imp gallons/day

Signed this 20 day of November, 2024.

\_\_\_\_\_  
*Signature of Applicant or Agent*

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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*).
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 \_\_\_\_\_  
\_\_\_\_\_

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

\_\_\_\_\_  
*Signature of Applicant or Agent*

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## GENERAL ENVIRONMENTAL INFORMATION

(complete this section for the worst case of the existing facility which is the closest to water bodies or water wells and for each of the proposed facilities)

Facility description / name (as indicated on site plan)

Existing: \_\_\_\_\_ Proposed 1: Renovate Quonset to house 12000 quail  
 Proposed 2: Renovate Chicken Coop to house 300 hens Proposed 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?	<input type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input checked="" type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> > 1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
	Surface water information						
	How many springs are within 100 m of the manure storage facility or manure collection area?		0	0		<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
	How many water wells are within 100 m of the manure storage facility or manure collection area?		0	0		<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)		89 m to dugout - dugout to be backfilled	94 m to current dugout		<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
Groundwater information	What is the depth to the water table?	33 m				<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
	What is the depth to the groundwater resource/aquifer you draw water from?	None				<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	

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

See attached water well drilling report. Performed on NW corner of quarter. (1936)

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**The application must include the figures identified below at a minimum**

### **FIGURE 1: AREA / LARGE SCALE PLAN**

**(e.g. municipality maps, overview images from Google Earth, etc.)**

The application must include an area plan to scale, unless otherwise directed by the approval officer. An area plan should include:

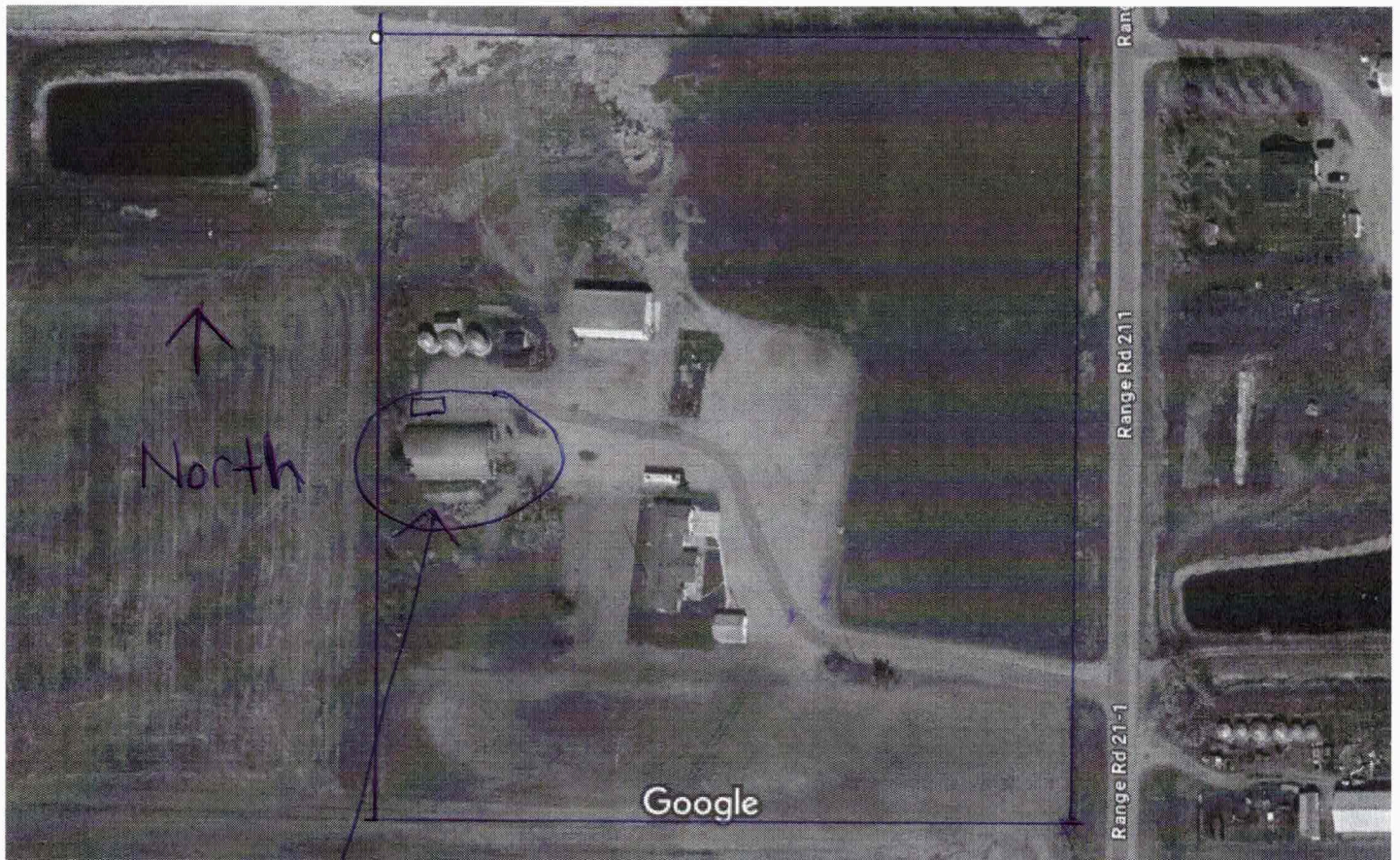
- North arrow
- Legal land description(s) of the proposed development and immediately surrounding properties
- Roadways
- Property lines
- Distances between the confined feeding operation and neighbouring residences
- Water courses, common bodies of water, springs, and water wells within 800 m of the CFO
- Runoff patterns

### **FIGURE 2: DETAILED SITE LAYOUT PLAN**

The application must include a detailed site layout plan unless otherwise directed by the approval officer. At a minimum, the site plan should include the following:

- North arrow
- Legal land description(s)
- Water bodies
- Water wells and springs
- Monitoring wells (if applicable)
- Property lines
- Barns, corrals, and pens
- Manure storage facilities and manure collection areas
- Surface water control systems, if required by an approval officer
- Setbacks to property lines and boundaries
- Right-of-ways (roads, utilities, etc.)
- Any other pertinent information related to the CFO

Google Maps



Imagery ©2024 Airbus, Maxar Technologies, S. Alberta MDE31s and Counties, Map data ©2024 20 m

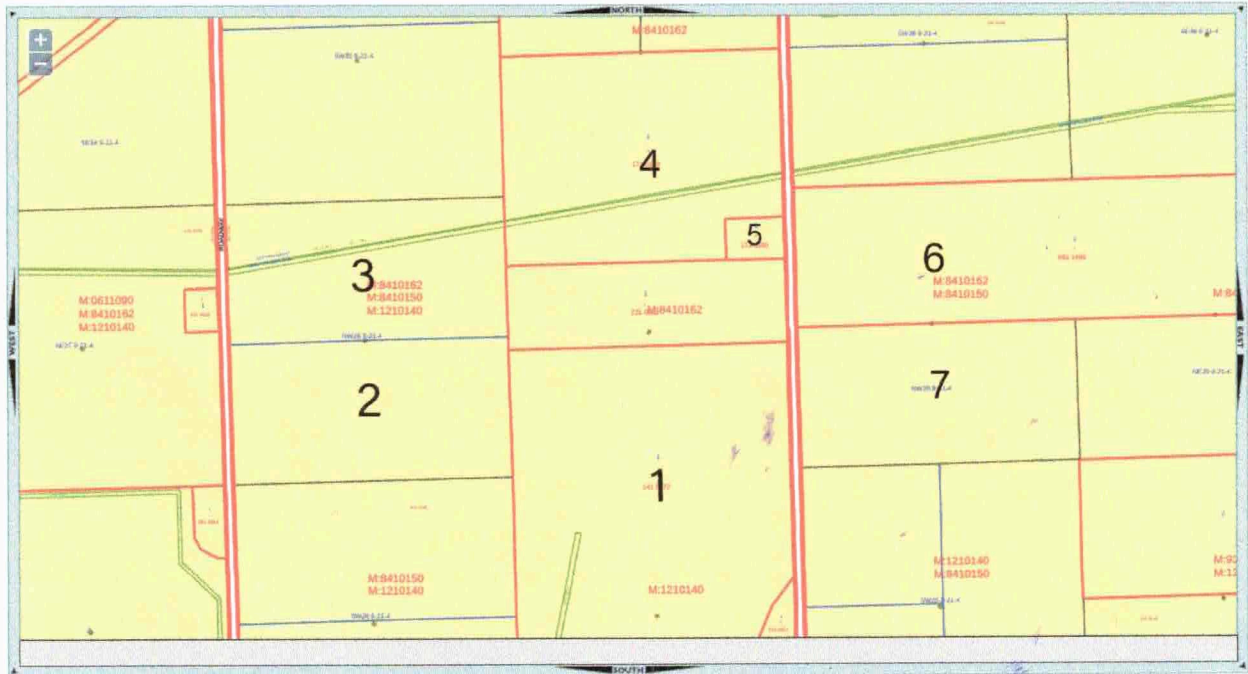
Range 21 Twp 9 Section 26 Pt of NE W4

Proposed quail facility w/manure pad

See addendum A for map of surrounding properties + distances to neighboring residences

## ADDENDUM A

Properties adjacent or almost adjacent to the Horvath / Erkelens property; see the map and the legal descriptions below.



### Property #1

Short legal description: **Lot 2, Block 1, Plan 1410472** --- KCL title, recently enlarged with the balance of the Horvath property, so maybe this title description has changed.

LINC # 0039 372 313

DESCRIPTIVE PLAN 1410472

BLOCK 1

LOT 2

EXCEPTING THEREOUT: --- The old Horvath title before subdivision

PLAN	NUMBER	HECTARES	(ACRES)	MORE OR LESS
SUBDIVISION	2310062	19.24	47.54	

EXCEPTING THEREOUT ALL MINES AND MINERALS

ATS REFERENCE: 4;21;9;26;E

### Property #2

Short legal description: **LSD 11&12 of 26-9-21-W4**

LINC # 0018 401 299

MERIDIAN 4 RANGE 21 TOWNSHIP 9

SECTION 26

LEGAL SUBDIVISIONS 11 AND 12 IN THE NORTH WEST QUARTER

CONTAINING 32.4 HECTARES (80 ACRES) MORE OR LESS



EXCEPTING:

PLAN	NUMBER	HECTARES	ACRES	MORE OR LESS
ROAD WIDENING	8211294	0.209	0.515	

EXCEPTING THEREOUT ALL MINES AND MINERALS  
AND THE RIGHT TO WORK THE SAME

Property #3

Short legal description: **LSD 13&14 of 26-9-21-W4**

LINC # 0017 855 942

MERIDIAN 4 RANGE 21 TOWNSHIP 9

SECTION 26

LEGAL SUBDIVISIONS 13 AND 14

IN THE NORTH WEST QUARTER

CONTAINING 32.4 HECTARES (80 ACRES) MORE OR LESS

EXCEPTING THEREOUT:

PLAN	NUMBER	HECTARES	ACRES	MORE OR LESS
ROAD WIDENING	8211294	0.209	0.515	

EXCEPTING THEREOUT ALL MINES AND MINERALS  
AND THE RIGHT TO WORK THE SAME

Property #4

Short legal description: **Lot 1, Block 1, Plan 1710179**

LINC # 0037 468 725

DESCRIPTIVE PLAN 1710179

BLOCK 1

LOT 1

CONTAINING 48.36 HECTARES (119.50 ACRES) MORE OR LESS

EXCEPTING THEREOUT:

PLAN	NUMBER	HECTARES (ACRES)	MORE OR LESS
SUBDIVISION	1710180	2.00 4.94	

EXCEPTING THEREOUT ALL MINES AND MINERALS

ATS REFERENCE: 4;21;9;35;SE

ATS REFERENCE: 4;21;9;26;NE

Property #5 (acreage to the north)

Short legal description: **Lot 2, Block, 1, Plan 1710180**

LINC # 0037 468 733

PLAN 1710180

BLOCK 1

LOT 2

EXCEPTING THEREOUT ALL MINES AND MINERALS

AREA: 2 HECTARES (4.94 ACRES) MORE OR LESS

ESTATE: FEE SIMPLE

ATS REFERENCE: 4;21;9;26;NE

Property #6

Short legal description: **Lot 1, Block 1, Plan 0611605**

LINC # 0033 059 577

PLAN 0611605

BLOCK 1

LOT 1

CONTAINING 62.4570 HECTARES( 154.33 ACRES) MORE OR LESS

EXCEPTING THEREOUT:

HECTARES (ACRES) MORE OR LESS

A) PLAN 0810836 ROAD 0.208 0.51

EXCEPTING THEREOUT ALL MINES AND MINERALS

ATS REFERENCE: 4;21;9;25;N

Property #7

Short legal description: **LSD 11&12 of 25-9-21-W4**

LINC # 0033 059 783

MERIDIAN 4 RANGE 21 TOWNSHIP 9

SECTION 25

LEGAL SUBDIVISIONS 11 AND 12

CONTAINING 32.4 HECTARES( 80 ACRES) MORE OR LESS

EXCEPTING THEREOUT:

HECTARES (ACRES) MORE OR LESS

A) PLAN 0810836 ROAD 0.209 0.52

EXCEPTING THEREOUT ALL MINES AND MINERALS

AND THE RIGHT TO WORK THE SAME

# Google Maps



Imagery ©2024 Airbus, Maxar Technologies, S. Alberta MDE31s and Counties, Map data ©2024 50 m

Measure distance  
Total distance: 178.95 m (587.10 ft)

# Google Maps



Imagery ©2024 Airbus, Maxar Technologies, S. Alberta MD€31s and Counties, Map data ©2024 50 m

Measure distance  
Total distance: 242.22 m (794.68 ft)



Imagery ©2024 Airbus, Maxar Technologies, S. Alberta MD€31s and Counties, Map data ©2024 50 m

Measure distance  
Total distance: 597.06 m (1,958.85 ft)

Water Well (1936)

see attached ~~to~~ Well Drilling Report.





# Water Well Drilling Report

[View in Metric](#) [Export to Excel](#)

GIC Well ID 106350  
GoA Well Tag No.  
Drilling Company Well ID  
Date Report Received 1936/06/23

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

Well Identification and Location										Measurement in Imperial	
Owner Name KENNEY, F.		Address LETHBRIDGE			Town		Province		Country	Postal Code	
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
	NE	26	9	21	4						
Measured from Boundary of				GPS Coordinates in Decimal Degrees (NAD 83)				Elevation			
_____ ft from				Latitude <u>49.767171</u> Longitude <u>-112.739091</u>				<u>2882.00</u> ft			
_____ ft from				How Location Obtained				How Elevation Obtained			
				Not Verified				Estimated			

Additional Information										Measurement in Imperial
Distance From Top of Casing to Ground Level _____ in					Is Flow Control Installed _____					
Is Artesian Flow _____					Rate _____ igpm					Describe _____
Recommended Pump Rate _____ 0.00 igpm					Pump Installed _____ Depth _____ ft					
Recommended Pump Intake Depth (From TOC) _____ 0.00 ft					Type _____ Make _____ H.P. _____					Model (Output Rating) _____
Did you Encounter Saline Water (>4000 ppm TDS) _____					Depth _____ ft					Well Disinfected Upon Completion _____
Remedial Action Taken _____					Gas _____ Depth _____ ft					Geophysical Log Taken _____
					Submitted to ESRD _____					
Additional Comments on Well _____					Sample Collected for Potability _____					Submitted to ESRD _____

Yield Test			Taken From Ground Level	Measurement in Imperial
			Depth to water level	
Test Date 1936/06/23	Start Time 12:00 AM	Static Water Level 100.00 ft		
			Pumping (ft)	Recovery (ft)
			Elapsed Time Minutes:Sec	
<b>Method of Water Removal</b>				
Type _____				
Removal Rate _____ igpm				
Depth Withdrawn From _____ 0.00 ft				
If water removal period was < 2 hours, explain why _____				

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
	ig	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name EWING F	Copy of Well report provided to owner Date approval holder signed

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

### Concrete liner details

Concrete thickness <p style="text-align: center;">5.5"</p>	Method of sulphate protection: <p style="text-align: center;">Type 50</p>
Concrete strength <p style="text-align: center;">25 mpa</p>	Concrete reinforcement size and spacing <p style="text-align: center;">15 o/c</p>

Concrete requirements can be found in Technical Guideline Agdex 096-93

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

### NRCB USE ONLY

Requirements met:  YES  NO

Condition required:  YES  NO

Report attached:  YES  NO

### Additional information (attach as required)

#### NRCB USE ONLY

Nine month manure storage volume requirements met  YES  YES With STMS  NO

Depth to water table: \_\_\_\_\_ Requirements met:  YES  NO

Depth to Uppermost groundwater resource: \_\_\_\_\_ Requirements 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 yes, please explain why.



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

(complete a copy of this section for **EACH** barn, feedlot, and storage facility for solid manure, composting materials, or compost with a concrete liner)

- Facility description / name (as indicated on site plan)
1. Quail Facility 50' x 90'
  2. Chicken Coop 15' x 30'

### Manure storage capacity

	Length (m)	Width (m)	Depth below grade to the bottom of the liner (m)	<b>NRCB USE ONLY</b> Estimated storage capacity (m <sup>3</sup> )
1.	7.315 m	7.315 m	<del>0.15m</del> 0.15m	
2.	To be shared w/ Quail Facility Manure Pad.			
TOTAL CAPACITY				

I plan to use a short-term solid manure storage (STMS) as part of my manure storage and handling plan for this CFO. The AOPA requirements for STMS are set out in the NRCB [Short-Term Solid Manure Storage Requirements Fact Sheet](#).

### Surface water control systems

Describe the run-on and runoff control system

4" slope from front to back.

### Liner protection

Describe how the physical integrity of the liner will be maintained

Fixed Concrete

#### NRCB USE ONLY

Requirements met:  YES  NO

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

Neighbour name(s)	Legal land description	Distance (m)	NRCB USE ONLY				
			Zoning (LUB) category	MDS category (1-4)	Distance (m)	Waiver attached (if required)	Meets regulations
Alberta Transportation	NE-26-9-21-4	179 m					
Alberta Transportation	N-25-9-21-4	242 m					
M Van Herk	SW-25-9-21-4	637 m					
B Horvath	SE-26-9-21-4	903 m					
B Coyne	SE-35-9-21-4	779 m					

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

Name of land owner(s)*	Legal land description	Usable area** (ha)	Soil zone ***	NRCB USE ONLY	
				Usable area (ha)	Agreement attached (if required)
Boston Farms	Section 19-10-19-W4	640	irrigated		
	See attached agreement				
Total					

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

\*\* Available manure spreading area (excluding setback areas from residences, common bodies of water, water wells, etc. as identified in Agdex 096-5 [Manure Spreading Regulations](#))

\*\*\* Brown, dark brown, black, grey wooded, or irrigated

**Additional information (attach any additional information as required)**

This agreement is made on Nov 18, 2024 between

Boston Farms / Tony Bos  
(landowner) and

Craft Quality Poultry Ltd (John and Sharon Erkelens)  
(applicant)

We do agree that if Craft Quality Poultry Ltd has excessive manure we will  
take it to apply to our land. 640 acres

~~\_\_\_\_\_~~ The land mentioned is located at SECTION 19 -10-19 W4

The terms of the agreement will expire in 5 years and will need to be  
revisited again.

\_\_\_\_\_

John Erkelens

\_\_\_\_\_

Tony Bos

Lethbridge, November 18, 2024