

Site Assessment

For Large Livestock Operation Proposals

(300 Animal Units or more) whenever a municipal conditional use approval is required

Purpose

The establishment or expansion of a livestock operation that has 300 Animal Units or more and requires a municipal conditional use approval is subject to Part 7 of [The Planning Act](#). This includes a review by the provincial Livestock Technical Review Committee (TRC). The [Technical Review Committee Regulation](#) requires a site assessment be undertaken by the proponent to help the committee complete its review and allow the public to comment on the proposal.

Assistance

For assistance in completing this Site Assessment form, the following resources are available:

- [Site Assessment Footnotes](#)
- [Site Assessment Supporting Documents](#)
- The [Land Use and Development Web Application](#) for Municipal Tax Roll Numbers, development plans and zoning by-law information.
- [Manitoba Agriculture Contact](#) for assistance with animal unit calculations, manure application field acreage calculations, agriculture capability and Manitoba Agricultural Services Corporation yields.
- [Manitoba Environment and Climate Change Contacts](#) for information on environmental regulations and assistance for obtaining any necessary permits and/or licenses regarding manure storage facilities, confined livestock areas, manure management plans, and water rights.
- [Livestock Technical Review Co-ordination Unit](#) for additional help.

1.0 Description of Livestock Operation

Legal name of operation:

Name of municipality:

Legal description: quarter, section, township, range, meridian or river lot(s):

Municipal tax roll number(s):

For all other Horizon Colony Farms properties, see Table A.3 of attached report.

Prepare a Location Map of the project site. (see [Location Map Example¹](#)).

- 1. Location Map attached. See Appendix A of attached report.

1.1 Nature of the Project²

Indicate if the proposal is for a new or expanding livestock operation:

- New operation
- Expansion of existing operation
- Change of existing operation (no increase in Animal Units)

If it is an existing operation, indicate when the operation was established:

State operation's original name if different from current:

and Peter J. Falk. See attached report Section 1.1.1 for more details.

Describe what is being proposed:

State if any existing buildings will be replaced or demolished. If existing buildings will be reused or expanded, state how they will be reused or expanded. Note: Certain proposals involving the replacement or alteration of existing animal housing may be exempted from conditional use approvals and provincial technical reviews. To determine if you may be eligible, refer to the [Frequently Asked Questions](#) document and contact your municipal office.

1.2 Project Site Plan

Prepare a Project Site Plan. Show all existing and proposed buildings, additions to existing buildings and any existing or proposed confined livestock areas as well as separation distances on an aerial photo. See the [Project Site Plan Example and Guide](#) for assistance.³

2. Project Site Plan attached.

See Appendix A.2 of attached supporting documentation by DGH Engineering Ltd.

2.0 Current and Proposed Type and Size of Operation⁴

In the [Animal Units Calculator](#) insert the total number of animals for each animal category associated with the current and proposed operation.

3. Animal Units Calculator attached.

See Appendix B of attached supporting documentation by DGH Engineering Ltd.

3.0 Animal Confinement Facilities

Based on the nature of the proposed project, indicate each type of animal confinement facility⁵ to be found on site (post construction). Note the animal category of each facility or area and its size and check off the type of project it is.

Table 3-1: Animal Confinement Facilities

Type of structure		Structure size (square footage)	Type of project			
Animal confinement facility ⁵			New construction	Replacement	Alteration	Use existing as is
Barn	Animal category					
(1)						
(2)						
(3)						
(4)		72,000				
(5)		72,000				
(6)		24,500				
(7)		32,400				V
(8)	(Falk)	20,000				
(9)						
(10)						

None of the above

4.0 Confined Livestock Areas

Based on the nature of the proposed project, indicate each type of confined livestock area⁶ to be found on site (post construction). Note the animal category of each facility or area and its size and check off the type of project it is.

Table 4-1: Animal Confinement

Type of structure		Structure size (square footage)	Type of project			
Confined Livestock Area ⁶			New construction	Replacement	Alteration	Use existing as is
Feedlot						
Paddock						
Corral						
Exercise yard						
Holding area						

None of the above

5.0 Project Sites Unsuitable for Development⁷

Will the proposed confined livestock area and/or manure storage facility be located within Nutrient Management Zone N4⁸ or any Nutrient Buffer Zone⁹?

Yes No

6.0 Water Source

Indicate the type of water source for the operation (check all that apply):

- Pipeline (public)/water cooperative
- Proposed well – location: _____
- Existing well – location: _____
- Dugout or reservoir - source and location: _____
- Other, describe: _____

Livestock are prohibited from having direct access to surface water as defined by the Livestock Manure and Mortalities Management Regulation.

- I acknowledge livestock from my operation will not have direct access to surface water. Surface water is defined as any body of flowing or standing water, whether naturally or artificially created, including, but not limited to, a lake, river, creek, spring, drainage ditch, roadside ditch, reservoir, swamp, wetland and marsh, including ice on any of them, but not including a dugout or reservoir on the property of an agricultural operation.

6.1 Water Requirements¹⁰

Estimate the total water use for your project using the use the Water Requirement Calculator.

6.1.1 Maximum daily water use: 40,194 _____

Imperial gallons

Litres

6.1.2 Maximum annual water use: 40,194 Imp. Gals./day x 365 days/year = 14.7 million Imp. Gals.
/year _____

Imperial gallons

Litres

4. Water Requirement Calculator attached.

See Appendix L.4 of attached supporting documentation by DGH Engineering Ltd.

7.0 Development Plan¹¹

Using the [Land Use and Development Web Application](#) or the municipality's development plan by-law, provide the following information:

Table 7-1: Development Plan

Name of planning district (if applicable)	
Name of municipality	
Development plan by-law number	
Land use designation of project site	

8.0 Zoning By-law¹²

Using the [Land Use and Development Web Application](#) and the municipality's zoning by-law, provide the following information:

Table 8-2: Zoning By-law

Zoning by-law number: _____		
Identify zone of project site: _____		
Identify minimum project site requirements as per zoning by-law:		
	Proposed project site dimensions	Zoning by-law project site requirements
Minimum site area	156 ac	
Minimum site width	810 m (2657 ft)	
Minimum front yard	109 m (358 ft)	
Minimum side yard	15 m (49 ft)	
Minimum rear yard	46 m (151 ft)	

See Appendix A.4 of attached supporting documentation by DGH Engineering Ltd.

9.0 Separation Distances (zoning by-law)¹³

Using the proposed size of the operation (see [Animal Units Calculator](#)) and the type(s) of animal housing and manure storage facilities, provide the following:

Table 9-1: Separation Distances

	Indicate minimum separation distance required in the zoning by-law to the following listed land use features (if applicable). Check appropriate box(es):		If land use feature is less than the minimum separation distance required in the zoning by-law complete this section:	
	<input type="checkbox"/> Earthen manure storage facility or <input type="checkbox"/> Feedlot	<input type="checkbox"/> Animal confinement facility or <input type="checkbox"/> Non-earthen manure storage facility	Provide actual distance	Provide location or name of feature (e.g., Red River)
Residence/dwelling	ft	ft	ft	
			ft	
Designated area (non-agricultural)	ft	ft	ft	
			ft	

If any separation distance is less than the zoning by-law minimum, a variance order will be required from the municipality.

See Appendix A.4 of attached supporting documentation by DGH Engineering Ltd.

9.1 Land Use Map

Indicate the following on a Land Use Map (see [Land Use Map Example](#)):

- a) Location of the project site.
- b) Land uses and significant features including dwellings (not related to the proposal) within a three-kilometre radius of the project site.

5. Land Use Map attached.

See Appendix A.6 of attached supporting documentation by DGH Engineering Ltd.

10.0 Abandoned Wells¹⁴

Are there any known unsealed abandoned wells on the project site or spread fields?

Yes No

If yes, identify the location(s) on the Project Site Plan (Section 1.2) or on the Spread Field Maps (Section 18.0) as applicable.

11.0 Water Control works¹⁵

Are new control works being proposed?

Yes No

Are you (the operator) aware of any seasonal, semi-permanent or permanent wetlands on the project site? If yes, identify the location(s) in the Project Site Plan.

Yes No See attached report, Appendix A.4.8., E. Bergman Wildlife Refuge.

12.0 Manure Type and Storage¹⁶

See attached report for discussion on both hog and poultry manure storage and handling.

12.1 Manure Type

Indicate the type(s) of manure that will be generated:

Solid Semi-solid Liquid

12.2 Manure Storage Type and Construction

Indicate if the operation is planning to construct, modify or expand a manure storage facility¹⁷ or use an existing manure storage facility:

- Construct
- Expand
- Modify
- Use existing
- Not applicable

Turkey and chicken manure is to be stored temporarily on field storage.
See attached report for more detail.

Indicate the type of manure storage that will be used by the operation: (check all that are applicable)

- Concrete tank
- Steel tank
- Earthen manure storage facility For existing hog operations. See attached report.
- Permanent solid manure storage facility
- Molehill manure storage facility
- Under-barn concrete manure storage facility (30-day capacity or greater)
- Permanent manure composting facility
- Field storage For poultry operations. See attached report.

13.0 Mortalities Disposal¹⁸

Indicate the type(s) of mortalities disposal:

- Rendering All livestock (both poultry and hogs) mortalities are processed at the Morbidities Composting Site in SE-36-003-02W1.
- Composting
- Incineration (in approved incinerator only)
- Landfill
- Other (describe): _____

Does the proposal include a permanent site for composting mortalities that will use manure?¹⁹

- Yes No

If yes, identify the location(s) on the Project Site Plan (Section 1.2)

Existing site will be used.

See Appendix A.4.9 of attached supporting documentation by DGH Engineering Ltd.

14.0 Setback Distances from Manure and/or Mortality Sites to Water and Operation Boundaries

Use the following table to indicate the proposed setback distances from water and property lines. Provide the name of the feature.

Table 14-1: Setback Distances from Manure and/or Mortality Sites to Water and Operation Boundaries

Feature	Structures	Minimum setback distance (m) ²⁰	Proposed setback distance (m)	Provide location or name of feature (e.g., Red River)
Surface watercourses, sinkholes, springs or wells	Manure storage facility	100 m		
	Field storage	100 m		
	Manure composting site	100 m		
	Confined livestock area	100 m		
	Mortalities disposal site	100 m		
	Mortalities composting site	100 m		
Property line	Manure storage facility	100 m		See Note 1.
	Manure composting site	100 m		
	Confined livestock area	100 m		
	Mortalities composting site	100 m		

Note 1: See Appendix A of attached report for setbacks and separating distances for all manure storages. If any setback distances have not been met, provide explanation below:

15.0 Building in Flood Areas²¹

Using the links below, determine if any proposed structure will be in a Designated Flood Area.

[Red River Valley Designated Flood Area](#)

[Lower Red River Designated Flood Area](#)

Are any of the proposed structures in a Designated Flood Area?

Yes No

16.0 Odour Control Measures (Project Site)

Indicate which odour control measures are planned.

Manure storage cover:

Yes No Not applicable

If yes, type of cover: _____

Shelterbelt planting:

Yes No Existing shelterbelt

Other measure (specify):

17.0 Land Available for Manure Application²²

17.1 Land Calculation

Fill out and attach the [Manitoba Land Calculator](#)²³ to determine the minimum number of acres for the manure nutrients.

From the calculator, indicate:

Acres for Nitrogen uptake:²⁴ _____

Acres for Phosphorus removal:²⁴ _____

- 6. Copies of long-term Manitoba Agricultural Services Corporation (MASC) yields²⁵ attached.
- 7. Manitoba Land Calculator attached.

Contact Manitoba Agriculture at 204-918-0325 in Winnipeg if assistance is required.

17.2 Long-Term Environmental Sustainability

From the Manitoba Land Calculator, indicate acres for Phosphorus balance:²⁶ _____

I acknowledge that the amount of acres indicated in the Manitoba Land Calculator up to _____ acres may be required for Phosphorus balance (one times crop P_2O_5 removal) and the long-term environmental sustainability of the operation.

17.3 Characteristics of Manure Application Fields²⁷

Fill out and attach the [Manure Application Field Characteristics Table](#).

Provide Spread Field Maps of land available for manure application along with their agricultural capability (see [Spread Field Map Example](#)).

For all land available for manure application, attach copies of soil test reports that are no more than 36 months old and that demonstrate that soil phosphorus levels are below 60 ppm Olsen P in the top six inches (15 centimeters) of soil.

- 8. Manure Application Field Characteristics Table attached.
- 9. Spread Field Map (showing agricultural capability and field boundaries) attached.
- 10. Soil test reports for the land available for manure application attached.

18.0 Setbacks for Manure Application

Have the regulatory setbacks²⁸ and all water features been observed and excluded from land base calculations for this operation?

Yes

19.0 Manure Transportation and Application

Will a commercial manure applicator be used?²⁹

- Yes No

Identify the proposed transportation method:

- Tanker
 Dragline
 Solid spreader
 Other: _____

Identify the proposed application method(s), (check all that apply):

- Full/true injection
 Partial injection (Aerway or Coulter)
 Low-level broadcast application
 High-level broadcast application
 Immediate incorporation
 Incorporate within 48 hours
 No incorporation – provide reason: _____

19.1 Season of Application

Identify the proposed timing of application (check all that apply):

- Spring
 Summer (e.g., to a growing crop)
 Fall

20.0 Manure Application on Lands Subject to Frequent Flooding or Inundation³⁰

Are any of the lands available for manure application located in the [Red River Valley Special Management Area](#) or another area that is subject to flooding on an average basis at least once every five years?

- Yes No

21.0 Projected Truck Haul Routes and Access Points³¹

Complete the following table:

Table 21-1: Truck Haul Routes and Access Points

Vehicle type	Estimated average number of times per day accessing		Access from PTH/PR onto site will mainly require a left or right hand turn (please check one)				Access onto PTH/PR from site will mainly require a left or right hand turn (please check one)				
	Provincial Trunk Highway (PTH)	Provincial Road (PR)	Provincial Trunk Highway (PTH)		Provincial Road (PR)		Provincial Trunk Highway (PTH)		Provincial Road (PR)		
			LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
Truck											
Tractor trailer											
Other, specify											

Identify on a map the roads and access points that will be used for the proposed operation (see [Truck Haul Routes and Access Points Map Example](#)).

11. Truck Haul Routes and Access Points Map attached.

See Appendix A.6 of attached supporting documentation by DGH Engineering Ltd.
 No Provincial Trunk Highways nor Provincial Roads to be used for manure transport.
 All hog manure is being transported by dragline hose.

22.0 Conservation Data Centre Report

A Conservation Data Centre (CDC) Report is required for lands associated with the development where facility development or manure application will occur on Crown lands or, for all other lands, there is a change in land use or activity that could negatively impact the habitat of species at risk in Manitoba.

Changes of use or activity include:

- the development of new sites
- land clearing
- conversion of land to cropland

A CDC Report is not required for existing operations that will not be utilizing Crown lands, not be developing or converting land, and not be changing practices in a manner that could impact habitat.

Conservation Data Centre report requests may be submitted electronically to:

<https://gov.mb.ca/nrnd/fish-wildlife/cdc/request.html>

Are any parcels of land Crown land? Yes No

If yes, legal land location(s): _____

Are any parcels of land going to be cleared for development? Yes No

If yes, legal land location(s): _____

Are any parcels of land going to be converted to crop land? Yes No

If yes, legal land location(s): _____

12. Conservation Data Centre Report attached.

Were rare species identified in the Conservation Data Centre Report?

Yes No

23.0 Additional Information

Include any additional information you deem helpful for the Technical Review Committee to review your proposal.

No wetlands have been identified on the properties owned and used by Horizon Colony Farms. However, the E. Bergman Wildlife Refuge has been identified as a prominent feature within NE-35-003-02W1.

24.0 Supporting Documents Checklist

Check off the supporting documents attached to this submission.

Section 1 - Description of Livestock Operation

- 1. Location Map
- 2. Project Site Plan

Section 2 - Current and Proposed Type and Size of Livestock Operation

- 3. Animal Units Calculator

Section 3 - Water Source

- 4. Water Requirement Calculator

Section 9 - Separation Distances (zoning by-law)

- 5. Land Use Map

Section 17 - Land Available for Manure Application

- 6. Copies of long-term Manitoba Agricultural Services Corporation (MASC) yields
- 7. Manitoba Land Calculator
- 8. Manure Application Field Characteristics Table
- 9. Spread Field Map (showing agricultural capability and field boundaries)
- 10. Soil test reports for the land available for manure application (no more than 36 months old)

Section 21 - Projected Truck Haul Routes and Access points

- 11. Truck Haul Routes and Access Point Map

Section 22 - Conservation Data Centre Report

- 12. Conservation Data Centre Report (only for new project sites and non-agricultural land being converted to cropland) N/A

Additional Forms

- 13. Contact information and privacy publication notice (attach separately)
- 14. Conditional Use Application
- 15. Other, specify: _____

Declaration

I do hereby verify that the information contained in the Site Assessment, and all required supporting documents, are accurate and complete to my knowledge.

Date: June 11 2024
(YYYY/MMM/DD)

Name: David Wurtz
(print clearly)

Signature: David Wurtz