

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](#) and [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](#) for assistance with animal unit calculations, manure application field acreage calculations, agriculture capability and Manitoba Agricultural Services Corporation yields.
- [Manitoba Environment and Climate Change](#) 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.
- [Groundwater Management](#) for Wells Table listing wells on project site and spread fields.
- [Livestock Technical Review Co-ordination Unit](#) for additional help.

1.0 Description of Livestock Operation¹

Legal name of operation:

Morris Piglets Ltd

Name of municipality:

Rural Municipality of Morris

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

NW 22-05-02W

Municipal tax roll number(s):

0116900.000

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

- 1. Location Map attached.

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:

2001

State operation's original name if different from current:

K-Line Pigs Ltd

Describe what is being proposed:

This proposal is to expand the existing 2600 sow farrow - nursery pig operation located at NW 22-05-02W to house 5200 sows farrow to nursery. A new similar size farrow - nursery pig barn will be placed on the existing site. An additional barn housing 2175 replacement gilts in a gilt nurser/grow out facility will be built. as well, This expansion will also necessitate the addition of a new water pond as well as a new two cell earthen manure storage structure.

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.

Existing barns will continue to be used as at present.

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.

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.

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)	gestation barn 122' - 6" x 408' -10 "	50,078 sq ft				✓
(2)	farrowing barn 139' x 278' - 4"	38,688 sq ft				✓
(3)	gestation barn 122' - 6" x 408' -10 "	50,078 sq ft	✓			
(4)	farrowing barn 139' x 278' - 4"	38,688 sq ft	✓			
(5)	Gilt nursery / grow out 87' x 221 ft	19,227 sq ft	✓			
(6)						
Outdoor area	Animal category					
(1)						
(2)						
(3)						

None of the above

4.0 Confined Livestock Areas N/A

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 Zone?⁹

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: filled from Tobacco Creek

Other, describe: _____

6.1 Access to Surface Water¹⁰ HOGS WILL BE HOUSED INSIDE AND WILL NOT HAVE ACCESS TO SURFACE WATER.

I acknowledge livestock from my operation, located in a confined livestock area or seasonal feeding area, will not have direct access to surface water.

6.2 Water Requirements¹¹

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

6.2.1 Maximum daily water use: 53,300.0

Imperial gallons

Litres

6.2.2 Maximum daily water use: 242,301.8

Imperial gallons

Litres

4. Water Requirement Calculator attached.

7.0 Development Plan¹²

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)	RM of Morris
Name of municipality	RM of Morris
Development plan by-law number	The RM of Morris Development Plan 1712/2015
Land use designation of project site	AG - General Agriculture

8.0 Zoning By-law¹³

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: <u>By-Law No. 1713/2015</u>		
Identify zone of project site: <u>"AG" General Agriculture</u>		
Identify minimum project site requirements as per zoning by-law:		
	Proposed project site dimensions	Zoning by-law project site requirements
Minimum site area	80 acres	40 acres
Minimum site width	2640 ft	600 ft
Minimum front yard	301 ft	125 ft
Minimum side yard	120 ft to east boundary from gilt barn	25 ft
Minimum rear yard	approx. 1600 ft to south boundary	25 ft

9.0 Separation Distances (zoning by-law)¹⁴

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 checked="" type="checkbox"/> Earthen manure storage facility or <input type="checkbox"/> Feedlot	<input checked="" 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	1968 ft	984 ft	9,040 ft ft	To a residence to the East
Designated area (non-agricultural)	7874 ft	5249 ft	25,000 ft 24,500 ft	To the Village of Kane To the village of Lowe Farm

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

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.

10.0 Wells¹⁵

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

- Yes No No well records found for any of the manure spread fields.
See letter from Water Management Section (Item 8 in attachments)

10.1 Well Locations

Provide Groundwater Management with locations of project site and spread fields. Groundwater Management will respond with a Wells Table listing wells, as identified on provincial wells database.

In provided Wells Table, add any known wells not already identified using additional rows. Provide additional information as needed.

Identify the location(s) of known abandoned and active wells on the Project Site Plan (Section 1.2) and Spread Field Maps (Section 18.0), as applicable.

6. Wells Table attached The manure application field characteristics table showing all spread fields was submitted however no well records were identified. Due to poor water quality in the area wells are not unitized. The letter from Water Management is attached.

11.0 Water Control works¹⁶

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

12.0 Manure Type and Storage¹⁷

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 facility¹⁸ or use an existing manure storage facility:

- Construct Expand Modify Use Existing Not Applicable

Note: A new earthen manure storage will be constructed to accommodate the addition manure produced with the facility expansion.

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
- 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

13.0 Mortalities Disposal¹⁹

Indicate the type(s) of mortalities disposal:

- Rendering
- Composting
- Incineration (in approved incinerator only)
- Landfill
- Other (describe): _____

Does the proposal include a permanent site for composting mortalities that will use manure?²⁰

- Yes No

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

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) ²¹	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	Approx 170m	To ditch along west property line
	Field storage	100 m	N/A	
	Manure composting site	100 m	N/A	
	Confined livestock area	100 m	N/A	
	Mortalities disposal site	100 m	N/A	
	Mortalities composting site	100 m	N/A	
Property line	Manure storage facility	100 m	Approx 170m	To west p[roperty line.
	Manure composting site	100 m	N/A	
	Confined livestock area	100 m	N/A	
	Mortalities composting site	100 m	N/A	

If any setback distances have not been met, provide explanation below:

All setback requirements will be met.

15.0 Building in Flood Areas²²

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: A straw cover will be used to reduce odours released from the two smaller solid cells.

Shelterbelt planting:

Yes No Existing shelterbelt

Other measure (specify):

None

17.0 Land Available for Manure Application²³

17.1 Land Calculation

Fill out and attach the [Manitoba Land Calculator](#)²⁴ to determine the minimum number of acres for the manure nutrients.

From the calculator, indicate:

Acres for Nitrogen uptake:²⁵ 1517 acres

Acres for Phosphorus removal:²⁵ 2059 acres

- 7. Copies of long-term Manitoba Agricultural Services Corporation (MASC) yields²⁶ attached.
- 8. 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:²⁷ 4118 acres

I acknowledge that the amount of acres indicated in the Manitoba Land Calculator up to 4118 acres may be required for Phosphorus balance (one times crop P₂O₅ removal) and the long-term environmental sustainability of the operation.

17.3 Characteristics of Manure Application Fields²⁸

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.

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

18.0 Setbacks for Manure Application

Have the regulatory setbacks²⁹ 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?³⁰

- 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 Inundation³¹

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 Points³²

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	1					✓				✓	
Tractor trailer	1			✓	✓			✓			✓
Other, specify	10		✓		✓				✓		✓

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](#)).

12. Truck Haul Routes and Access Points Map attached.

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): _____

13. Conservation Data Centre Report attached. N/A

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.

The reason we will have an increased number of gilts onsite at Morris Piglets South is because we plan to add a gilt grow out facility on the Northeast side of the quarter that includes a gilt nursery and gilt grow out (finisher space) facility. Most conventional sow farms in Manitoba receive their gilts around 5.5 to 7 months of age. We are planning on receiving them at 3 weeks of age and raise them on our farm premises up to mature gilts. The reason we do this is that we can close the herd if there is a disease issue at our Morris Piglets farms or at the multiplication farm that supplies us with gilts. The plan is to receive 453 gilts every 6 weeks at 3 weeks of age and will raise them up over 32 weeks.

Morris Piglets North and South need 3,900 mature gilts/year to replace 50% of their herd of 7,800 sows.

Total animal spaces will be as follows:

450 nursery spaces and 1725 grow out spaces for a total of 2,175 spaces.

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 6 - Water Source

- 4. Water Requirement Calculator

Section 9 - Separation Distances (zoning by-law)

- 5. Land Use Map

Section 10 - Wells

- 6. Wells Table

Section 17 - Land Available for Manure Application

- 7. Copies of long-term Manitoba Agricultural Services Corporation (MASC) yields
- 8. Manitoba Land Calculator
- 9. Manure Application Field Characteristics Table
- 10. Spread Field Map (showing agricultural capability, field boundaries, and well locations)
- 11. 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

- 12. Truck Haul Routes and Access Point Map

Section 22 - Conservation Data Centre Report N/A

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

Additional Forms

- 14. Contact information and privacy publication notice (attach separately)
- 15. Conditional Use Application
- 16. 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: 2025/Nov/03
(YYYY/MM/DD)

Name: Jeroen van Boekel (president)
(print clearly)

Signature: 