

SITE ASSESSMENT

For Large Livestock Operation Proposals (300 Animal Units or more)

1.0 Purpose

The set up, or expansion, of a livestock operation that has 300 Animal Units or more is subject to [Part 7 of The Planning Act](#). This includes consideration as a conditional use by the municipal council or planning district board. It also includes a review by the Technical Review Committee (TRC) appointed by the Minister of Local Government. The [Technical Review Committee Regulation](#) requires a site assessment to help the committee do its review and allow people who will be affected by the livestock operation to comment on the proposal.

2.0 Assistance

For assistance in completing the Site Assessment Form please refer to the following.

For links to resources, click on the **highlighted underlined items**.

For additional information on a particular item, please click on the (?) “**Learn More**” icon.

For definitions, click on the [Glossary of Terms](#).


For help with mapping, contact your [Community and Regional Planning Regional Office](#).

For additional help, contact the [Technical Review Coordination Unit](#).

3.0 Description of Livestock Operation

Operation legal name, if other than the owner's name:

Red River Pullet Farms Ltd.

Operation location (project site):  30100 Cam-Mart Road

Rural Municipality (RM) of Hanover

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

NE 6-4-6 E

Manitoba Premises Identification Number: MB 1035196

Municipal tax roll number(s): 270250.000

Show the location of the operation (project site) on a location map. (See [Location Map](#) for example).

Location Map attached (Appendix 1)

4.0 Nature of Project ?

New operation

Expansion of existing operation

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.

Existing building from a former hog farm with 395 animal units will be renovated and reused to house 115,000 pullets. In addition, a new barn will be constructed on the site to house 35,000 pullets, for a total of 150,000 pullets.

5.0 Proposed Type and Size of Operation ?

State the proposed type and size of the operation. (See [Animal Units Calculation Table.](#))

Type of operation (Column B from Animal Units Calculation Table)	Existing number of animals (Column C from Animal Units Calculation Table)	Total Animal Units (Column F from Animal Units Calculation Table)
Pullets		495

Animal Units Calculation Table attached (Appendix 2)

6.0 Animal Confinement Facilities ?

Outdoor Confined Livestock Area


To ensure that it can be built in a way that the environment is protected, a permit is required for construction and expansion of **confined livestock areas** for operations with 300 Animal Units or more. Permits are required by the [Livestock Manure and Mortalities Management Regulation](#) (MR 42/98), under *The Environment Act*.

Confined Livestock Area: outdoor seasonal feeding area feedlot not applicable

Indoor Barn/Animal Housing

Indoor Animal Housing: barn other (describe) _____ not applicable

A permit under the Livestock Manure and Mortalities Management Regulation is not required for an indoor housing area or barn unless there is a manure storage facility within the building (an under barn storage capable of storing manure for 30 days or more).

Show all existing, proposed buildings and additions to existing buildings on the project site plan. See [Project Site Plan example](#) and the Project [Site Plan Guide](#) for help creating your site plan. 

Project Site Plan attached (Appendix 3)

7.0 Environmental Farm Planning

Environmental farm planning is a voluntary, confidential self-assessment process designed to help farm managers identify the environmental strengths and weaknesses of their operations.

Do you have an [Environmental Farm Plan](#) yes no (new operation)

If so, is it current (completed within past 5 years) yes no

8.0 Water

Project Sites Unsuitable for Development

To protect water quality, the [Nutrient Management Regulation](#) (MR 62/2008), under *The Water Protection Act*, prohibits the set up or expansion of nutrient generating facilities in Nutrient Management Zone 4 (Agriculture Capability Class 6, 7 and unimproved organic soils) and Nutrient Buffer Zones. Nutrient generating facilities include barns, confined livestock areas and manure storage facilities.

[Nutrient Buffer Zone](#) as defined in section 3(3) of the regulation includes areas of land along water bodies such as rivers, lakes, streams and drains.

The proposed indoor housing area, barn, confined livestock area and/or manure storage facility:

will
will not

be located within Nutrient Management Zone 4 (Class 6, 7 and unimproved organic soils) or any Nutrient Buffer Zone.


Determine the agriculture capability class(es) of the project site, and its limitations. This information is available from Manitoba Agriculture, Food and Rural Initiatives (MAFRI) at 204-945-3869 in Winnipeg. Alternatively, operations with GIS mapping software can access information through [Manitoba Land Initiative](#) (MLI) website. In addition, information from MLI can also be viewed on Google Earth. Both the download for Google Earth and the registration for MLI are free. Click [here](#) for instructions under the MLI website.

Water Source

To be sustainable, a livestock operation must have access to a sufficient quantity and quality of water for livestock.

Water source for operation:

- | | |
|---|---|
| <input type="checkbox"/> pipeline (public) | <input type="checkbox"/> water co-operative |
| <input type="checkbox"/> proposed well | <input checked="" type="checkbox"/> existing well |
| <input type="checkbox"/> river | <input type="checkbox"/> lake |
| <input type="checkbox"/> dugout (dimensions : ____ x ____ x ____) | |

If using an existing well, provide a copy of the water well log and logs for other wells on the property. Logs can be obtained from Manitoba Conservation and Water Stewardship by calling (204) 945-7418 in Winnipeg; 1-800-214-6497 toll free. 

(Appendix 4)

Source Water Analysis Reports

[Annual livestock source water monitoring analysis reports](#) must be submitted to Manitoba Conservation and Water Stewardship for any operations of 300 Animal Units or more.

If an existing livestock operation of 300 Animal Units or more, have you submitted an annual source water monitoring report for the current calendar year? yes no (n/a)
(New pullet operation on the site of a former hog operation, with existing well)

Will livestock have direct access to surface water (not including dugouts)? yes no

If yes, identify:

Name of the surface water feature: _____

List any steps that will be taken to prevent direct access of livestock to the water body.

Water Requirements

Protecting the interests of domestic users and the environment, in addition to existing licensees, is the intended purpose of the water rights licensing scheme.

In order to protect the sustainability of water sources, all operations using more than 25,000 litres (5,499 imperial gallons) per day must possess a Water Rights Licence required by the Water Rights Regulation (MR 126/87) under *The Water Rights Act*.

For more information on the Water Rights Licensing process, contact the Water Use Licensing Section at (204) 945-3983 in Winnipeg; 1-800-214-6497 toll free.

Water Use ?

To calculate the total water use, go to the [Water Requirement Calculation Table](#).

Maximum daily use: 6,000 imperial gallons or litres
Maximum annual use: 10 acre-feet or cubic decameters
(2,190,000 imperial gallons/year)

Water Requirement Calculation Table attached (Appendix 5)

Groundwater (Contamination Risk Protection)

Improper storage and handling of manure or mortalities increases the risk of contaminating groundwater. Beneficial management practices (BMP), mitigation measures and requirements for the permit process reduce this risk. Soil testing, manure management planning and proper engineering, along with construction and management of manure storage structures reduce the risk of contaminating groundwater.

Check off the mitigation measures used for the existing components of the operation that may pose a risk of contamination. Also check off any measures that may be used with the proposed components for this expansion, if applicable:

	Existing	Proposed
Manure is stored in a storage facility built by permit or registered by Manitoba Conservation and Water Stewardship	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Storage includes leachate collection	<input type="checkbox"/>	<input type="checkbox"/> n/a
Earthen storage has between 400 and 500 days storage	<input type="checkbox"/>	<input type="checkbox"/> n/a
Steel/concrete tank has between 250 and 500 days storage	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Manure storage facility meets required setbacks	<input type="checkbox"/>	<input checked="" type="checkbox"/> (see note below)
Field storage (solid manure) locations are changed annually	<input type="checkbox"/>	<input type="checkbox"/> n/a
Field storage meets required setbacks	<input type="checkbox"/>	<input type="checkbox"/> n/a
All application fields are soil tested annually for nitrate-N and Olsen phosphorus	<input type="checkbox"/>	<input checked="" type="checkbox"/>
All manure is applied according to a manure management plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Licensed commercial manure applicator is used to apply manure	<input type="checkbox"/>	<input type="checkbox"/> (Livestock Operator)
Abandoned wells have been properly sealed	<input type="checkbox"/>	<input type="checkbox"/> n/a

Other:

Manure storage facility meets all required setbacks with exception of 100m setback from existing well.

Only 82.3m setback is feasible due to need to situate storage facility within proximity to existing barn.

Building in Flood Areas

The [Livestock Manure and Mortalities Management Regulation](#) prohibits an operator from putting a manure storage facility within the boundaries of the 100-year flood plain elevation. [Manure storage facilities](#) that are constructed with protection for a flood-water level at least 0.6 meters higher than the 100-year flood water level are exempt.

The [Designated Flood Area Regulation](#) under *The Water Resources Administration Act* requires a Designated Flood Area Permit before a proposed structure (such as a barn) can be built within a Designated Flood Area.

The flood protection level for structures located within a Designated Flood Area is the site specific design flood level plus freeboard, as provided by the Hydraulic Forecasting Branch of Manitoba Infrastructure and Transportation. Contact the Hydrologic Forecasting Branch at (204) 945-2121 in Winnipeg; 1-800-214-6497 toll free.

The proposed site:

is is not

located in a Designated Flood Area: [Red River Valley Designated Flood Area](#) or [Lower Red River Designated Flood Area](#)

Note: At the time a permit is issued, verification is needed to ensure any proposed structure(s) are located within the 100-year flood plain elevation; or at an elevation set by Manitoba Infrastructure and Transportation.

Watershed Management Planning

Integrated watershed management planning is a co-operative effort by local residents, stakeholders and governments to create a long term plan to manage water and land-based activities for watersheds.

What are the names of the [watershed](#) and [sub-watershed](#) where the livestock operation and the fields identified for manure application are located?

Name of watershed(s): Rat River; Seine River

Name of sub-watershed(s): Joubert Creek; Lower Seine and Tourond Creek

Name of [Integrated Watershed Management Plan](#) for the proposed project site, if applicable: Rat Marsh River Integrated Watershed Management Plan

For more on Integrated Watershed Management Planning, call Watershed Planning and Programs at (204) 945-7408 in Winnipeg; 1-800-214-6497 toll free.

9.0 Manure

The [Livestock Manure and Mortalities Management Regulation](#) sets requirements for the use, management and storage of livestock manure in agricultural operations, to ensure it is handled in an environmentally sound manner. For more information on this, call Manitoba Conservation and Water Stewardship at (204) 619-2230 in Winnipeg.

Improper storage, handling and/or land application of manure can contaminate water and/or cause unacceptable odours for neighbours. The following is used to assess the manure management system.

Manure Type

The type of manure generated and used by the operation influences storage, handling and land application options available.

What type(s) of manure will be generated?

solid

semi-solid

liquid

Manure Volume or Weight

Manure production can be estimated using the Manure Production Calculator Table. The sizing of the manure storage is the responsibility of the operator and must be constructed in accordance with the [Livestock Manure and Mortalities Management Regulation](#).

Design and construction of a manure storage facility is dependent on the type of structure; earthen manure storage facilities must have between 400 and 500 days capacity, a steel or concrete storage tank must have between 250 and 500 days capacity. This ensures the facility has sufficient capacity eliminating the need for winter application.

What will be the total volume or weight of manure generated annually by the livestock operation? (See [Manure Production Calculator Table](#).)

Please note: RRP proposes to spend more on a facility design that will see the pullet manure dried to solid state, as the volume is less than half (~47%) that of the liquid manure produced by this size of operation, making it easier and more economical to transport longer distances.

liquid volume: _____ solid weight: 77,614 ft³

Manure Production Calculator Table attached (Appendix 6)

Manure Storage Type and Capacity

The type of storage system used will affect the capacity requirements for the manure storage facility or field storage area.

What type of **manure storage facility** will be used by the operation?

- under-barn concrete **earthen manure storage** concrete tank(s)
 steel tank(s) **field storage** **molehill**

Provide the dimensions of the existing and/or proposed manure storage facilities, if applicable. (See **Existing and Proposed Manure Storage Facility Dimensions Table.**)

Existing and Proposed Manure Storage Facility Dimensions Table attached (Appendix 7)

Odour Control Measures (project site)

Barns and manure storage facilities can be significant sources of livestock odours. The use of manure storage covers and shelterbelts can reduce this, particularly for neighbours in the vicinity of the operation.

What odour control measures are you planning to use?

Manure storage cover: yes no

Type of cover: Wood frame building enclosing concrete storage.

Shelterbelt planting: yes no existing shelterbelt

Other measures (specify): _____

Manure Treatment

Under *The Environment Act*, the director must not issue a permit for the modification, expansion, or construction of a manure storage facility accommodating an increase in the number of animal units for pigs, unless the manure is treated using anaerobic digestion or another environmentally sound treatment that is similar to or better than anaerobic digestion, according to Manitoba Conservation and Water Stewardship.

Does your proposal include anaerobic digestion or another environmentally sound treatment for manure?

- yes no not applicable

(anaerobic decomposition will occur)

If yes, please describe _____

Manure Application Method

The [Livestock Manure and Mortalities Management Regulation](#) requires the registration of annual manure management plans for new or expanding operations with 300 Animal Units or more.

Does the operation currently file an annual [Manure Management Plan](#) with Manitoba Conservation and Water Stewardship? (For operations with 300 Animal Units or more, only)

yes no (new operation)

Manure application methods and the season in which manure is applied affect odour, nutrient availability, crop response, land base requirements and the risk of water contamination.

Proposed application method:

broadcast broadcast and incorporation within 48 hours injection

(For Grass Pasture only) (All other spread fields)

The [Livestock Manure and Mortalities Management Regulation](#) prohibits the application of manure from November 10 of one year to April 10 of the following year (winter application).

Time of year for application: spring summer fall

The [Livestock Manure and Mortalities Management Regulation](#) puts restrictions on fall application of manure in the Red River Valley Special Management Area.

The proposed spread fields:

are
are not

in the [Red River Valley Special Management Area](#).

Land Available for Manure Application

The land available for manure application includes all suitable land (owned, leased or under agreement) that is available to the operation for manure application.

Under the [Livestock Manure and Mortalities Management Regulation](#) and the [Nutrient Management Regulation](#), application of nutrients is not permitted on Agriculture Capability Class 6, 7 and unimproved organic soils (Nutrient Management Zone 4) and within Nutrient Buffer Zones.

Areas of a field that are Class 6, 7, unimproved organic soils (Nutrient Management Zone 4) or areas within the nutrient buffer zones are considered unsuitable for manure application. In addition, fields with 60 parts per million (ppm) Olsen phosphorus (P) in the top six inches (15 centimetres) of soil cannot be included in the land base calculation.

Nutrients cannot be applied within the Nutrient Buffer Zones as outlined in the Nutrient Management Regulation (62/2008) and illustrated in the [Setback Requirements From Water Features Table](#).

Has the setback area for all water features been observed and excluded from land base calculations for this operation?

yes

no

Use the [Manure Application Field Characteristics Table](#) to determine the following:

Total suitable area available for manure application

1,629.5 acres

Manure Application Field Characteristics Table attached (Appendix 8)

Copies of [soil test reports](#) that are no more than 12 months old must also be included with this submission.

Soil test reports for the required area for manure application attached. (Appendix 9)

Land Required for Manure Application

Long term, land base requirements for manure application are calculated based on estimates of the quantity of nutrients (nitrogen and phosphorus) excreted by livestock and the removal of nutrients by the proposed crops.

Phosphorus

The quantity of phosphorus excreted by the livestock depends on the type, number and size of livestock, the quantity and availability of phosphorus fed to the livestock and the amount retained by the livestock.

The removal of phosphorus by crops depends on the crops grown and the historical crop yield averages. (See the [Crop Rotation Table](#)). (Appendix 10)

The [Livestock Manure and Mortalities Management Regulation](#) requires that “sufficient land is available to the operator to implement an appropriate manure management plan” before Manitoba Conservation and Water Stewardship will issue a permit for a manure storage facility.

“*Certain Areas*” are defined by the [Livestock Manure and Mortalities Management Regulation](#) (M.R. 42/98) as areas where the amount of phosphorus in the manure produced annually by livestock in an area of not less than 93.24 km² is greater than two times the annual crop removal rate of P₂O₅ in that area. Currently the rural municipalities of Hanover and La Broquerie are considered to be “*certain areas*”.

A livestock operation is considered to be located within a “*certain area*” if any part of the operation is located within the “*certain area*”. This may include, but not limited to, barn(s), confined livestock area(s), field storage location(s), manure storage facility(ies), and/or spread filed(s).

In "*certain areas*" it is Manitoba Conservation and Water Stewardship policy to consider a manure storage facility permit if the operation shows it has access to sufficient suitable land to apply manure at a rate equivalent to one times the crop removal rate of phosphorus.

Is the livestock operation located in "*certain areas*"?

yes no

In areas which are not considered to be “*certain areas*”, Manitoba Conservation and Water Stewardship may issue a manure storage facility permit, if the operation shows it has access to sufficient suitable land to apply manure at a rate equivalent to two times the crop removal rate of phosphorus.

For more information on obtaining a manure storage facility permit, please contact Manitoba Conservation and Water Stewardship, Environmental Approvals branch at (204) 945-5081.

Use the [Land Base Calculator](#) to calculate the minimum area required for manure application.

<p>Total minimum area required for manure application at two times crop removal, for operations outside of Hanover and La Broquerie</p>	
<p>Total minimum area required for manure application at one times crop removal, for operations within Hanover and La Broquerie AND For the long-term sustainability of operations outside of Hanover and La Broquerie</p>	<p>1,606 acres</p>

For more information on completing land base calculations, call Manitoba Agriculture, Food and Rural Initiatives (MAFRI) at (204) 945-3869 in Winnipeg.

Land Base Calculator attached (Appendix 11)

Land Base Requirement Summary

By comparing the land **available** for manure application with the land **required** for manure application, state whether sufficient suitable land for manure application:

- has not been identified
- has been identified for two times the crop removal rate of phosphorus (for operations outside of the RMs of Hanover or La Broquerie)
- has been identified for one times the crop removal rate of phosphorus (for operations within the RMs of Hanover and La Broquerie)

Long-Term Environmental Sustainability

The Government of Manitoba has included phosphorus as a nutrient by which applications of manure, synthetic fertilizer and municipal waste sludge to agricultural lands may be limited.

Over the short-term for fields with low phosphorus, regulations allow manure to be applied to meet the nitrogen requirements of the crop. This often results in over-application of phosphorus and a build-up of phosphorus in soils. When soil test phosphorus levels reach 60 ppm Olsen P, manure application rates must consider how much phosphorus will be removed in the harvested portion of the crop. At 60 to 119 ppm Olsen P, the amount of phosphorus that can be applied cannot exceed twice (two times) what the crop can remove in order to slow the build-up of soil phosphorus. Once soil test phosphorus levels reach 120 ppm Olsen P, applications of phosphorus are restricted to no more than what the crop can remove (one times) in order to stop further soil test phosphorus build-up. At 180 ppm Olsen P, no additional phosphorus may be applied.

It should be noted that soil-test phosphorus levels of 60 ppm Olsen P or greater are agronomically very high and at these levels most crops will not benefit from additional phosphorus beyond starter phosphorus. As phosphorus levels build up in soils, the concentration of phosphorus in runoff increases.

Therefore, to remain environmentally sustainable over a long-term planning horizon of 25 years or more, phosphorus applications from applied manure and other nutrient sources such as commercial fertilizers must be balanced with crop removal to avoid further build-up in soils. Consequently, sufficient land must be available in relatively close proximity to the operation to balance phosphorus applications with crop phosphorus removals (one times) so that manure treatment and export of phosphorus from the region is not required.

I acknowledge that up to 1,606 acres/hectares (one times crop removal from table above) may be required for the long term environmental sustainability of the operation.

10.0 Mortalities (Dead Animal) Disposal

The [Livestock Manure and Mortalities Management Regulation](#) sets requirements for the use, management and storage of livestock mortalities in agricultural operations. It helps ensure livestock mortalities are handled in an environmentally sound manner. Winter application of composted mortalities is prohibited.

Type of disposal: rendering (Rothsay will be contracted for dead stock pickup service)
 composting
 incineration (in approved incinerator only)

Mass Mortalities

A plan for [mass mortalities](#) is in place.

What steps will be taken in the case of mass mortalities?

As per Section 15(6) of the Livestock Manure and Mortalities Management Regulation:

1. Report the situation to an environment officer and answer any questions regarding the situation.
2. Dispose of the mortalities according to the environment director's or an environment officer's instructions.

11.0 Project Site Description: Land Use Planning Considerations

For assistance contact your [Community and Regional Planning Regional Office](#).

Development Plan and Zoning Bylaw

The Planning District or Municipal Development Plan and Zoning By-law adopted under [The Planning Act](#), set policy and regulations for the use and development of land. A proposed livestock operation must comply with the requirements of this bylaw. In the absence of a By-law, the [Provincial Planning Regulation](#) under [The Planning Act](#) applies.

Development Plan

Every Development Plan must contain a livestock operation policy (LOP) that identifies areas where new or expanded livestock operations may be allowed. It must also set general standards for the location and setback of livestock operations. Identifying the Development Plan's land use designation and policies (for the planning district or municipality that affect the site) will help confirm the project site's compliance. The Development Plan designations for the spread fields (if something other than agricultural) will indicate the potential loss of the fields in the future due to possible development.

Name of Planning District	RM of Hanover
Development Plan by-law number	2170
Land use designation of project site	General Agricultural Area
Livestock operation policies – quote supportive policy numbers	3.3.5, 3.3.6, 3.3.9 - 3.3.15
Other Development Plan policies – quote supportive policy numbers	3.3.1, 3.3.2 a)
Non-supportive Development Plan policies	

The Development Plan livestock operation policies support the size and location of the proposed operation. (Subject to conditional use)

The Development Plan designations support the long term use of the proposed spread fields.

Zoning By-law

Identifying the zoning for the project site, the proposed spread fields and the related zoning provisions, helps determine the project's compliance and the minimum separation distances needed between the operation and property boundaries and other natural features and land uses. The zoning bylaw contains specific regulations that govern location and setback of livestock operations.

What are the minimum project site requirements stated in the Zoning By-law?

	Project site dimensions	Minimum zoning bylaw site requirements
Minimum site area	80 acres	160 ***
Minimum site width	1338 ft.	1000 ft.
Minimum front yard	470 ft.(new barn); 312ft. (existing barn)	164 ft.
Minimum side and rear yard	368 ft. / 1735 ft.	164 ft./164 ft.

*** Existing LOs may be allowed to expand on an existing site of less than 160 acres provided they comply with all environmental regulations and separation distances.

If any project (front, side or rear) yard site dimensions are less than the Zoning By-law minimum, a Variation Order from the Municipality will be required.

Separation Distances (Zoning Bylaw or Provincial Planning Regulation) ?

Using the proposed size of the operation (see [Animal Units Calculation Table](#)) and the type of animal housing and manure storage facility, complete the following table.

Indicate the distance from:

- a. earthen manure storage facility or b. feedlot and
c. animal confinement facility or d. non-earthen manure storage facility...

...to the following land use features (if applicable)	Indicate minimum separation distance required in the zoning bylaw or Provincial Planning Regulation (Check appropriate box(es))		If land use feature is less than the minimum separation distance	
	<input type="checkbox"/> a. <input type="checkbox"/> b.	<input checked="" type="checkbox"/> c. <input checked="" type="checkbox"/> d.	Provide actual distance	Provide location or name of feature (e.g. Red River)
Residence/ dwelling		820 ft.	3,880 ft. (1.18 km)	SW 7-4-6 E
Designated area (non-agricultural) ?		4,364 ft.	42,700 ft. (13 km)	Rural Residential Area NW 9-5-5 E
Surface water		328 ft.	330 ft. Proposed Manure Storage to Surface Drain 470 ft. Proposed Barn to Ditch	
Surface watercourse		328 ft.	330 ft. Proposed Manure Storage to Surface Drain 470 ft. Proposed Barn to Ditch	
Crown land			None in immediate area.	
Wildlife Management Area			None in immediate area - nearest is: 14,665 ft. (4.47 km)	Red River Wildlife Management Area
Livestock operation			4,171 ft. (1.27km) 4,479 ft. (1.37km)	NW 7-4-6 E SW 8-4-6 E
Other significant features/land uses				

If Crown Lands are located within one mile, provide coding. Information can be obtained from the Interdepartmental Operations Crown Lands Plans through the [Manitoba Legislative Library](#) or contact Manitoba Conservation and Water Stewardship at (204) 619-2230.

If undesignated Crown Lands will be used for manure spreading purposes, including the laying of pipe or clearing activity, and use will require a Crown Lands General Permit disposition for the use and access of the subject Crown Lands Parcel(s). ?

In cases where minimum separation distances are not stated in the Zoning By-law or Development Plan, the minimum separation distances in the [Provincial Planning Regulation](#) apply.

Note: If any separation distance is less than the zoning by-law minimum, a Variation Order will be required from the Municipality.


Setback Distances (Livestock Manure and Mortalities Management Regulation)

Using the following table to indicate the distance from:

Feature	Structure	Minimum setback distance required	Provide actual distance (m)	Provide location or name of feature (e.g. Red River)
Surface watercourse, sinkhole, spring, or well	Manure storage facility	100 m	100.6 m 221 m 82.3 m	Surface Drain Ditch Existing Well
	Field storage	100 m	n/a	
	Composting site	100 m	n/a	
	Confined livestock area	100 m	n/a	
Property Line	Manure storage facility	100 m	112 m	
	Composting site	100 m	n/a	
	Confined livestock area	100 m	n/a	

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

The setback requirement between the manure storage facility and the well has not been met. This is due to plans to make use of the existing barn and well, and the need to position the new manure storage building in close proximity to both the existing and new barns.

Show: a) location of the project site, location and ownership of spread fields and b) land uses and significant features including dwellings (i) within a 1 mile radius of the project site and (ii) within and adjacent to each spread field on a Land Use & Spread Field Map. (See [Land Use & Spread Field Map Example](#)). 

Location and Land Use Map for Red River Pullet Farms Ltd. & one spread field - Appendix 12
Other Spread Field Maps - Appendix 13

12.0 Truck Haul Routes and Access Points

One consideration with new or expanding livestock operations is the potential impact on existing public roads (municipal and provincial), access and the need for improvements or mitigation. Complete the following table.

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 (half ton)	1 to 2/day	1 to 2/day	✓			✓		✓	✓	
Tractor Trailer	2 to 3/week	2 to 3/week		✓	✓		✓			✓
Other – Specify										

Identify what roads and access points will be used for the proposed operation? (See [Truck Haul Routes and Access Points Map](#) for an example).

For help with mapping, contact your [Community and Regional Planning Regional Office](#).

Truck Haul Routes and Access Points Map attached (Appendix 14)

13.0 Conservation Data Centre Report

A Conservation Data Centre Report must be requested and the response attached to this site assessment. The request may be submitted electronically at:

www.gov.mb.ca/conservation/cdc

Were rare species identified in the Conservation Data Centre Report?

Yes

No

Response from Conservation Data Centre Report - Appendix 15

14.0 Supporting Documents

Check off the supporting documents included in this submission:

- Contact Information and Privacy and Publication Notice
- Location Map (shows proposed project within rural municipality)
- Animal Units Calculation Table
- Water Requirement Calculation Table
- Manure Production Calculator Table
- Existing and Proposed Manure Storage Facility Dimensions Tables
(if applicable)
- Manure Application Field Characteristics Table
- Crop Rotation Table
- Recent manure application field soil sample results (Nitrate- N lb/ac at 0-6 and 6-24
inch depths, Phosphorus – ppm at 0-6 inch depth)
- Land Base Calculator
- Project Site Plan (proposed operation showing current and proposed structures)
- Land Use and Spread Field Map (location and ownership of operation, spread fields,
location and distance to non-agricultural uses, development plan designation, zoning
for project site and spread fields)
- Truck Haul Routes and Access Points Map (with routes and access points on
municipal/provincial roads and/or provincial trunk highways)
- Response from the Conservation Data Centre
- Other, please specify:

Copy of RM of Hanover Conditional Use Application

Water Well Log for existing well at NE 6-4-6E (Appendix 4)

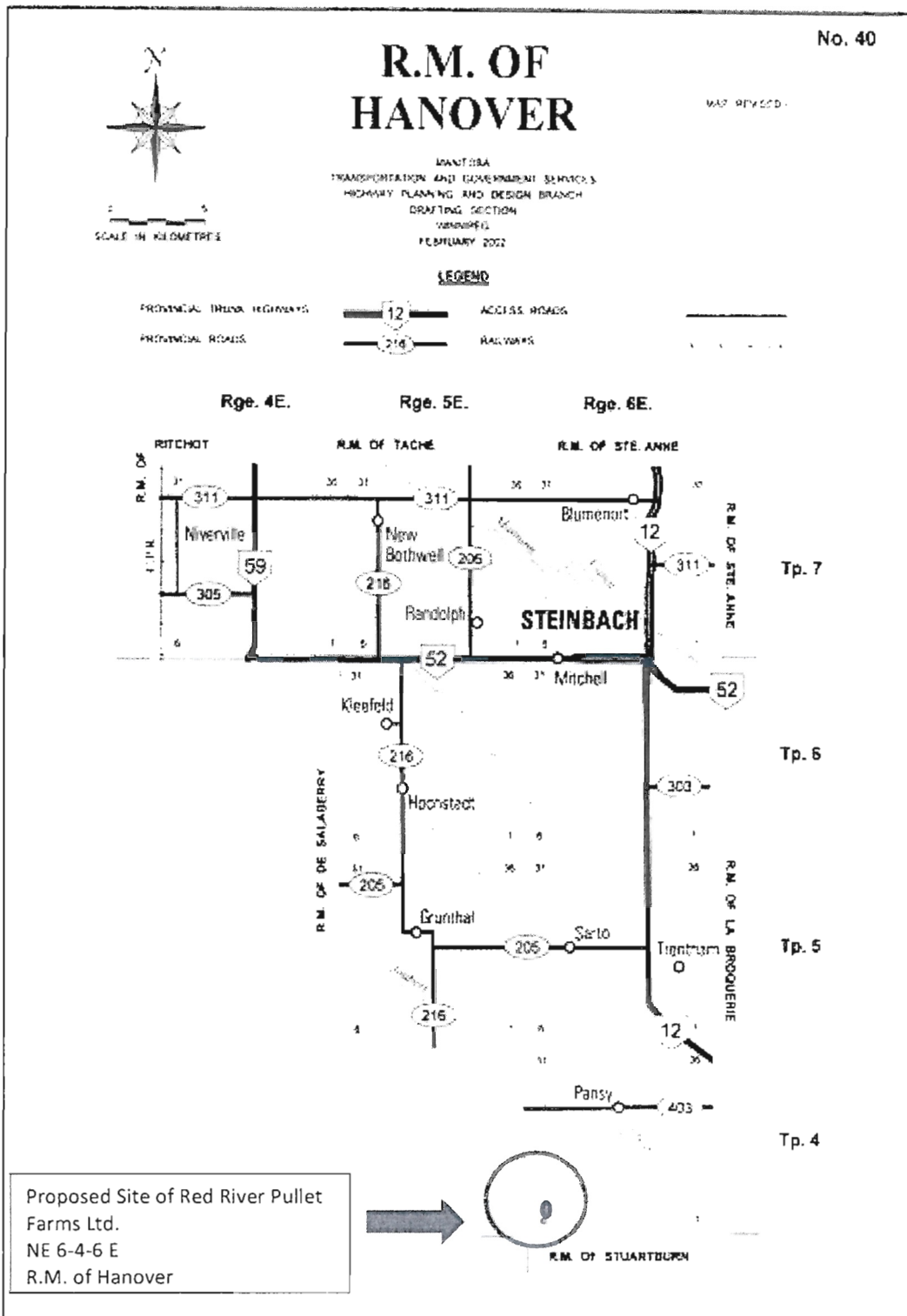
15.0 Declaration

I do hereby verify that the information contained in the Site Assessment and all
required Supporting Documents is accurate and complete to my knowledge

Date: 12 04. 2014

Signature: 

Appendix 1 - Location Map



Appendix 2 - Animal Units Calculation Table

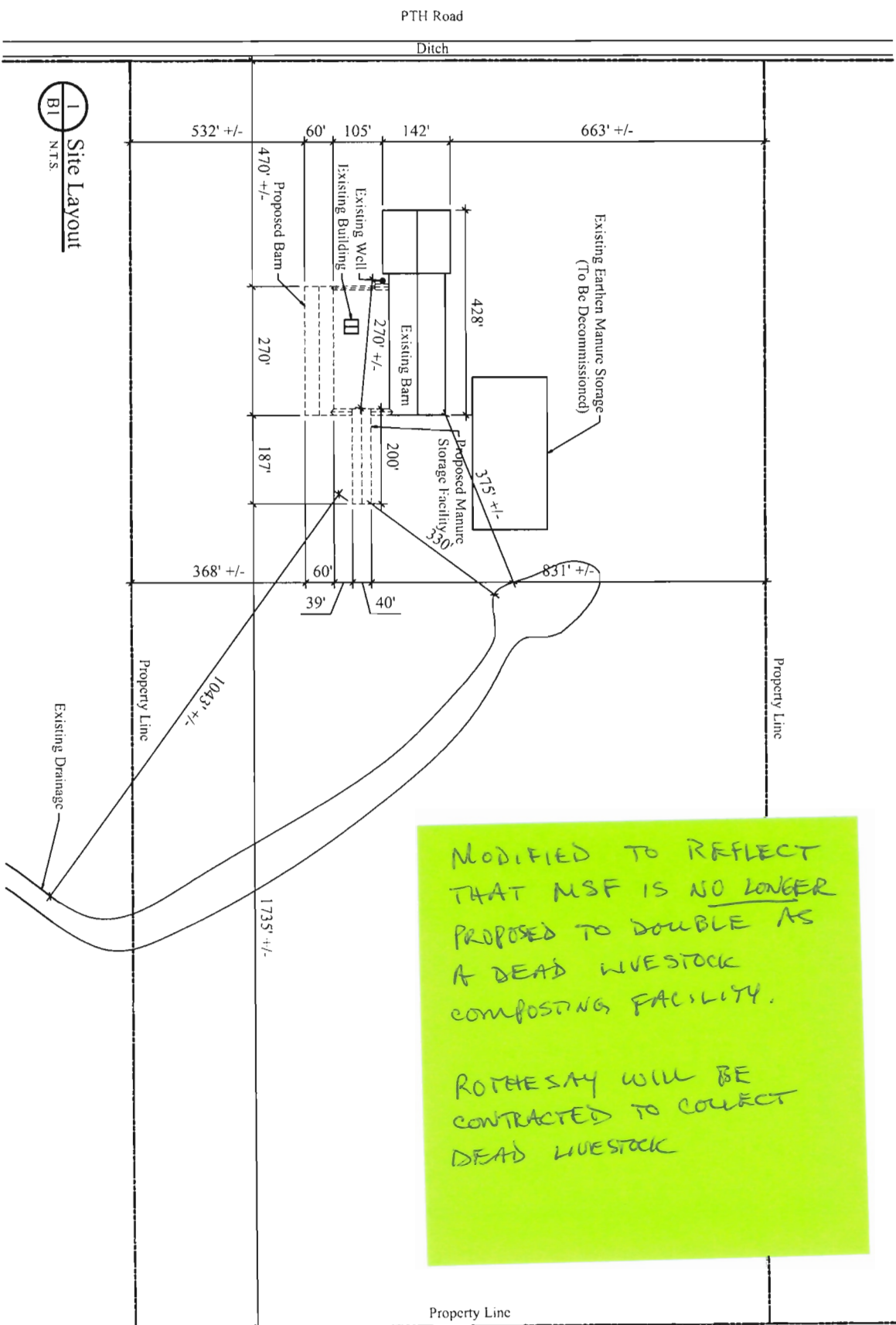
A	B	C	D	E	F	G
Animal Type	Type of Operation	Existing Number of Animals	Proposed Additional Number of Animals	Animal Units per Head	Total Animal Units	Annual Confinement Period (Days)
Dairy ¹	Mature cows (lactating and dry) including associated livestock			2	-	
	Mature cows (lactating and dry)			1.35	-	
	Heifers (0 to 3 months)			0.16	-	
	Heifers (4 to 13 months)			0.41	-	
	Heifers (> 13 months)			0.87	-	
	Bulls			1.35	-	
	Veal calves			0.13	-	
Beef	Beef cows including associated livestock			1.25	-	
	Backgrounder			0.5	-	
	Summer pasture / replacement heifers			0.625	-	
	Feeder cattle			0.769	-	
Pigs	Sows - farrow to finish (234-254 lbs)			1.25	-	
	Sows - farrow to weanling (up to 11 lbs)			0.25	-	
	Sows - farrow to nursery (51 lbs)			0.313	-	
	Boars (artificial insemination units)			0.2	-	
	Weanlings, Nursery (11-51 lbs)			0.033	-	
	Growers / Finishers (51-249 lbs)			0.143	-	
Chickens	Broilers			0.005	-	
	Roasters			0.01	-	
	Layers			0.0083	-	
	Pullets		150,000	0.0033	495.00	
	Broiler breeder pullets			0.0033	-	
	Broiler breeder hens			0.01	-	
Turkeys	Broilers			0.01	-	
	Heavy Toms			0.02	-	
	Heavy Hens			0.01	-	
Horses	Mares			1.333	-	
Sheep	Ewes			0.2	-	
	Feeder lambs			0.063	-	
Other Livestock	Type:				-	
	Type:				-	
				Total AUs	495.00	

Footnotes:

¹ There are 2 methods for calculating animal units for dairy (Farm Practices Guidelines for Dairy Producers in Manitoba, 1995). You can enter the total number of mature cows in the milking herd under the "Mature cows (lactating and dry) including associated livestock" category and the animal units will be calculated by multiplying this number by 2. This calculation assumes 85 lactating, 15 dry, 12 heifers (0 to 3 months), 36 heifers (4 to 13 months) and 50 heifers (> 13 months) for an operation with 100 mature cows. "Associated livestock" includes all of the heifer calves and replacement heifers. Alternatively, you can enter animal numbers in the individual categories (mature cows, heifers (0 to 3 months), heifers (4 to 13 months) and heifers (> 13 months)) and they will be summed at the bottom of the table. Bulls and veal calves are always calculated separately.



For all other livestock or operation types please inquire with your
 Manitoba Agriculture, Food and Rural Initiatives GO office to determine the animal units per head.
www.gov.mb.ca/agriculture/contact/agoffices.html

APPENDIX 3



MODIFIED TO REFLECT THAT MSF IS NO LONGER PROPOSED TO DOUBLE AS A DEAD LIVESTOCK COMPOSTING FACILITY.

ROTHERSAY WILL BE CONTRACTED TO COLLECT DEAD LIVESTOCK

 North	
 Pnfor Construction	1000 3rd Millennium, Maryland, Baltimore Phone: (301) 528-1700, Fax: (301) 528-1717 Toll Free: (800) 860-3143
1000 3rd Millennium Baltimore, MD Pnfor Construction	Red River Pullet Pains, MD
Site Layout Date: Mar. 26, 2014 Drawn by: JT Checked by: MD	B1

1 Site Layout
B1 N.T.S.

Appendix 4 - Water Well Log

line

Well PID: 104317
Location: NE6-4-6E
UTMX:662615.5 UTM Y:5460707 XY Accuracy:No Accuracy
Owner: PLANATE HOGGLYWOOD INC (FORMER OWNER OF SITE)
Driller: Echo Drilling Ltd.
Well Name:
Date Completed: 1997 Jun 06
Well Use: PRODUCTION
Water Use: Domestic
Well Status: ACTIVE Aquifer: SAND AND GRAVEL

REMARKS:

WELL LOG (Imperial units)

From	To(ft.)	Log
0.0	7	SAND
7.0	21	TILL
21.0	27	SAND
27.0	33	TILL
33.0	35	SAND
35.0	57	GREY CLAY
57.0	93	TILL
93.0	121	SAND
121.0	130	TILL

WELL CONSTRUCTION

From	To(ft)	Const.Method	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0.0	108.0	CASING	5.0			INSERT	PVC
108.0	118.0	PERFORATIONS			0.015	WIRE WOUND	S. S.
100.0	118.0	GRAVEL PACK				NO. 20-40	SILICA
S.							
0.0	100.0	CASING GROUT					
BENTONITE							
Top of Casing: 2.0 ft. above ground							

PUMPING TEST

Date : 1997 Jun 06 Pumping 12.0 Imp. gallons/minute
Water level before test : 15.0 ft below ground
Water level at end of test : 28.0 ft below ground
Test duration:
Test Zone: from 108.0 ft to 118.0 ft

Appendix 5

Water Requirement Calculation Table

Livestock	Number	IG/day per animal in winter	IG/day per animal in summer	IG/day (Imperial gallons per day)
Beef/Dairy/Bison:				
Feeder/heifer/steer (600 lb.)		5	9	-
Feeder (900 lb.)		7	12	-
Feeder (1250 lb.)		10	15	-
Cow/calf pair		12	15	-
Dry cow		10	12	-
Milking cow		25	30	-
Bison		8	10	-
Horses:				
Horses		8	11	-
Flogs:				
Sow (Farrow/wean)		6.5		-
Dry Sow/Boar		4		-
Feeder		3		-
Nursery (33 lb.)		2		-
Chickens:				
Broilers		0.035		-
Roasters/Pullets	150,000	0.04		6,000
Layers		0.055		-
Breeders		0.07		-
Turkeys:				
Turkey Growers		0.13		-
Turkey Heavies		0.16		-
Sheep/Goats:				
Sheep/Goats		2		-
Ewes/Does		3		-
Lambs/Kids (90 lb.)		1.6		-
TOTAL (IG/day)				6,000

For beef, dairy, bison and horse enterprises:
 Use summer numbers if appropriate for the operation.
 Otherwise base projections on winter values.
 Always use the greater of the two values.

Enter this number on page 7 of Application Form.

Other consumption values:
 Normal household consumption:
 40-55 IG/day per person or
 (180-250 l/day/person)
 Hydrant flow:
 10 imperial GPM (45 l/min)

Unit Conversions		
Total per day	Total per year	Unit
6,000	2,190,000	IG
27,276	9,955,740	litres
0.027	10	cubic decametres (dam ³)

Enter this number on page 7 of Application Form.

Conversion Factor: 1 IGPM = 4.546 l/m

Appendix 14 b

Animal Type (A)	Animal Sub-type (B)	References (C)	Daily Manure Production			Production Period (Days) (G)	Number of Animals (Capacity) (H)	Total Manure Volume (ft ³) (F×G×H)	Total Manure Volume for Semi-Solid and Liquid Manure (Imp Gal)					
			Manure Type (D)	Default Manure Production (ft ³ /animal/day) (E)	Operation Manure Production ¹ (ft ³ /animal/day) (F)					Default Manure Production (ft ³ /year/bird space)	Operation Manure Production ¹ (ft ³ /year/bird space)			
Dairy (milking cows ⁴ and associated livestock)	Free Stall	Table 6, pg 59, FPGs for Dairy 1995	Semi-Solid ⁵	3.5				0.0						
			Solid	3.4				0.0						
	Tie Stall	Table 6, pg 59, FPGs for Dairy 1995	Semi-Solid ⁵	3.6				0.0						
			Solid	3.5				0.0						
	Loose Housing	Table 6, pg 59, FPGs for Dairy 1995	Liquid ⁵	3.6				0.0						
			Solid	3.0				0.0						
Milking Parlour Manure and Washwater			Liquid	0.5										
Beef	Beef cows including associated livestock	pg 117, FPGs for Hogs 1998	Solid	1.2										
			Solid	0.73										
	Summer pasture / replacement heifers	pg 117, FPGs for Hogs 1998	Solid	0.85										
			Solid	1.1										
Pigs	Sows - farrow to finish (234 - 254 lbs)	MAFRI website, FPGs for Pigs 2007	Liquid	2.3				0.0						
			Liquid	0.8				0.0						
	Sows - farrow to wean (up to 11 lbs)	MAFRI website, FPGs for Pigs 2007	Liquid	1				0.0						
			Liquid	0.1				0.0						
	Grower / Finisher (51 - 249 lbs)	MAFRI website, FPGs for Pigs 2007	Liquid	0.25				0.0						
Animal Type	Type of Operation		Yearly Manure Production			Production Period ² (Days)	Number of Birds ³ (Capacity)	Total Manure Volume (ft ³) (F×G×H)	Total Manure Volume for Semi-Solid and Liquid Manure (Imp Gal)					
			Default Manure Production (ft ³ /year/bird space)	Operation Manure Production ¹ (ft ³ /year/bird space)										
			Broilers - floor ⁵	1.23										
			Broiler breeder hens ⁷	2.3										
			Broiler breeder pullets ⁶	0.99										
			Roasters - floor ⁶	1.16										
			Layers - cage ⁶	2.33								0.0		
			Layers - floor ⁷	1.68										
			Layers - solid pack ⁹											
			Layers - cage ⁸	0.71							266	150,000	77,614	483,533.3
			Pullets - floor ⁶	0.75										
			Pullets - solid pack ⁹											
Turkeys		Table 3, pg 85, FPGs for Poultry 2000	Broilers ⁸	2.83										
			Heavy toms ⁶	5.58										
			Heavy hens ⁶	3.32										

Sizing of a manure storage facility in accordance with all requirements of the *Livestock Manure and Mortalities Management Regulation (M.R. 42/98)* is the responsibility of the operator.

Instructions and footnotes:

- ENTER the manure production estimate for your operation. If no estimate is available, use the default value provided in column E. References for default daily and yearly manure production are provided in column C.
- ENTER the number of days worth of manure that will be produced. For earthen manure storage facilities the minimum storage requirement is 400 days. For steel and concrete manure storage facilities the minimum storage requirement is 250 days.
- ENTER the total number of animals or birds that the operation can hold (e.g. barn or feedlot capacity).
- Milking cows includes all lactating and dry cows.
- Default manure production estimates for semi-solid and liquid dairy manure include manure and washwater from the milking parlour.
- 2 inches of wood shavings or 4 inches of straw placed on floor. Manure and litter removed from barn at 25% moisture content, with a density of 20 lb/ft³.
- One-third litter floor, two-thirds slatted floor. Manure and litter removed from barn at 40% moisture content, with a density of 25 lb/ft³.
- Manure removed from barn at 90% moisture content with a density of 59 lb/ft³.
- Poultry operations using litter (solid pack) must provide an estimate of yearly manure production.

Existing and Proposed Manure Storage Facility Dimension Table

If applicable, indicate the dimensions of any existing manure storage facility (MSF) that will be used to store manure from the proposed project:

CELL	Existing Manure Storage Facility Dimensions						Storage Capacity (days)
	Width	Length	Depth	Height (Above Grade)	Slope (H:L)		
					Inside	Outside	
Primary	ft	ft	ft	ft			
Secondary	ft	ft	ft	ft			
Tertiary	ft	ft	ft	ft			
Circular Tank	Diameter	Height	Depth (Above Grade)				
	ft	ft	ft				

Permit/Registration # _____

If available, indicate the dimensions of any proposed manure storage facility (MSF) that will be used to store manure from the proposed project:

CELL	Proposed Manure Storage Facility Dimensions						Storage Capacity (days)
	Width	Length	Depth	Height (Above Grade)	Slope (H:L)		
					Inside	Outside	
Primary	40 ft	200 ft	6 ft	ft			250
Secondary	ft	ft	ft	ft			
Tertiary	ft	ft	ft	ft			
Circular Tank		Diameter	Height	Depth			
		ft	ft	ft			

The construction, modification or expansion of any manure storage structure requires a permit from Manitoba Conservation as per the *Livestock Manure and Mortalities Management Regulation (M.R. 42/98)*.

Appendix 8

Manure Application Field Characteristics Table

In the attached Spread Field Characteristics Table and spread agreements that follow, you will note the fields identified have primarily been secured with a father and son farming partnership, run by Benoit and Curtis Catellier. As two of the seven spread fields farmed by the Catelliers are rented from neighbours, supporting spread field agreements have also been signed with the property owners.

The spread fields farmed by the Catelliers include seven parcels of land in close proximity to each other and are all within the Agriculture 2 Zone of the RM of De Salaberry, to the south of St. Malo. While one field [SW/NW 16-4-4E (E1/2)] and part of another [(E1/2) 9-4-4E] are just beyond the 10-mile limit, these fields share property lines with the others and therefore represent no additional challenge to reach. Furthermore Phosphorus levels on the land farmed by the Catelliers, range from 2 to 8 ppm, and all parties are very keen to have the nutrients for the land. They have therefore signed 10-year spread agreements with Red River Pullets Ltd.

Lastly, given plans to produce solid manure from the proposed Red River Pullet Farms operation, the volume of waste to be hauled is less than half that of the same sized operation producing liquid manure. Therefore estimated hauling costs associated with using these fields are also economically rational.

**Appendix 8
MANURE APPLICATION FIELD CHARACTERISTICS TABLE**

	A	B	C	D	E	F	G	H	I	J	K
Field	Legal Description	Rural Municipality	O/L/A	Total Acreage	Setbacks, including features	Net Acreage for Manure Application	Agriculture Capability Class and Subclass	Soil Nitrate (lb/acre) 0-24 inches	Soil Phosphorus (ppm Olsen P) 0-6 inches	Development Plan Designation	Zoning
1	NE 3-4-4E (Benoit Catellier)	RM of De Salaberry	A	160	Land within Order 2 Drain, land within unmapped drain, dwelling, bush	132.2	2M / 2W / 3M / 5W / 5M	21	8	Agriculture 2 By-Law 2194-04 (amended by Bylaw 2289-11)	"A-2" Agriculture 2 Zone RM of De Salaberry Zoning By-Law 2290-11
2	SE 3-4-4E (Curtis Catellier)	RM of De Salaberry	A	160	Bush, land within unmapped drain	143.7	2M / 2W / 3M / 5W / 3M / 5W1	22	5	Agriculture 2 By-Law 2194-04 (amended by Bylaw 2289-11)	"A-2" Agriculture 2 Zone RM of De Salaberry Zoning By-Law 2290-11
3	NW/SW (N ½) 3-4-4E (Benoit Catellier)	RM of De Salaberry	A	233	8 m – Order 3 Drain, Bush,	214.7	2M / 2W / 3M / 5W1	34	4	Agriculture 2 By-Law 2194-04 (amended by Bylaw 2289-11)	"A-2" Agriculture 2 Zone RM of De Salaberry Zoning By-Law 2290-11
4	NE/NW/SE 4-4-4E (Curtis Catellier)	RM of De Salaberry	A	480	8m - Order 3 Drain, abandoned yard	467.6	2M / 2W / 3W	44	6	Agriculture 2 By-Law 2194-04 (amended by Bylaw 2289-11)	"A-2" Agriculture 2 Zone RM of De Salaberry Zoning By-Law 2290-11
5	SE/NW (E1/2) 9-4-4E (Curtis Catellier)	RM of De Salaberry	A	240	8m – Order 3 Drain	238.4	3W / 2M / 2W	22	2	Agriculture 2 By-Law 2194-04 (amended by Bylaw 2289-11)	"A-2" Agriculture 2 Zone RM of De Salaberry Zoning By-Law 2290-11
6	SE 16-4-4E (Curtis Catellier)	RM of De Salaberry	A	160	Land within Order 1 Drain	158.8	3W	35	3	Agriculture 2 By-Law 2194-04 (amended by Bylaw 2289-11)	"A-2" Agriculture 2 Zone RM of De Salaberry Zoning By-Law 2290-11
7	(E ½) SW/NW 16-4-4E (Curtis Catellier)	RM of De Salaberry	A	160	Land within Order 1 Drain	159.4	3W	33	8	Agriculture 2 By-Law 2194-04 (amended by Bylaw 2289-11)	"A-2" Agriculture 2 Zone RM of De Salaberry Zoning By-Law 2290-11
8	SE 8-4-6E (Tony Wiens)	RM of Hanover	A	115	Land within unmapped drain	114.7	5P / 3P / 5W	12	55	General Agriculture Area By-Law 2170	"A" Agricultural Zone RM of Hanover Zoning By-Law 2171
Total Net Acreage for Manure Application:						1,629.5					

- Enter the legal description for each parcel of land that will receive manure: Sec, Twp, Rge or River Lot (including parish).
- Identify the Rural Municipality in which the parcel is located.
- Indicate how the land has been secured for manure application: O – Own / L – Lease / A – Agreement
- Enter the total acreage for the parcel.
- Enter setbacks from surface water or groundwater features that reduce the land available for manure application; include identification of type of feature (e.g. 8m, Order 3 drain).
- Enter the net long-term acreage available for manure application for the parcel after taking into account setbacks and excluding Class 6, 7 and unimproved organic soils.
- Enter the agriculture capability class and subclass ratings for the acreage available for manure application.
- Provide soil test results for nitrate-N in lb/ac at the 0-24 inch depth. Soil test results must be no more than 12 months old and must be completed by an accredited soil-testing laboratory.
- Provide soil test results for phosphorus ppm Olsen P at 0-6 inch depth. Soil test results must be no more than 12 months old and must be completed by an accredited soil-testing laboratory.
- Please indicate the Development Plan and its by-law number in addition to the map designation for each field

Appendix 9

Manure Spreading Agreements and Soil Tests

Spread Agreement #1

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Red River Pullet Farms Ltd. (Please Print) [Signature] (Signature) Hereafter referred to as "Livestock Operator"
 And: Curtis Catellier (Please Print) [Signature] (Signature) Hereafter referred to as:
 "Landowner" or "Land Renter"
 Date: April 10/14
 The duration of this agreement is of 10 years, beginning at the above date.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal Location	(Check One)		Nominal Size (acres)	Area available for spreading (acres, exclusive of setbacks)	Cropping Intentions	Preferred Application Time
		Owned	Rented				
4	SE 3-4-4E	<input checked="" type="checkbox"/>	<input type="checkbox"/>	160	143.7	Soybeans	Fall
27	NE/NW/SE 4-4-4E	<input checked="" type="checkbox"/>	<input type="checkbox"/>	480	467.6	Spring Wheat	Fall
26	SE/NW (E 1/2) 8-4-4E	<input checked="" type="checkbox"/>	<input type="checkbox"/>	240	238.4	Spring Wheat	Fall

The Landowner or Land Renter: (Check where applicable/proposed)

- will keep this document and any other related records in his files;
- will notify the Livestock Operator of the dates those fields will be available for spreading
- agrees to purchase manure nutrient at a rate of \$ _____ per 1000 gal or tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

- Time of Application: Spring Summer Fall
 Application Method: Broadcast Broadcast and incorporate within 48 hours
 Injection Irrigation/Sprinkler

Applicator

Livestock Operator
 Custom Applicator Name of applicator: _____
 Anticipated Manure Application Starting Date: _____

The Livestock Operator: (Check where applicable/proposed)

- will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- will carry out a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- will calculate the manure application rate for each field on the basis of (check only one):
 - the soil test recommendations for plant nitrogen requirements, or
 - the soil test recommendations for plant phosphorus requirements, or
 - general soil fertility recommendations as per the Soil Fertility Guide (Manitoba Agriculture and Food) or the Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba series
- will provide a proof of calibration for the manure spreading equipment;
- will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P, K);
- will have a manure management plan prepared by a professional agronomist, along with field map(s) highlighting setbacks to observe;
- will provide a copy of overall manure management plan to the Landowner and the Land Renter, if applicable.



Soil Analysis by Agvise Laboratories
 (402) 733-3333
 Northwood (701) 587-6010
 Bismarck (320) 843-4109

SOIL TEST REPORT

FIELD ID **4**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **4** RANGE **4E**
 SECTION **3** QTR **SE** ACRES
 PREV. CROP **Wheat-Spring**

SUBMITTED FOR:
CURTIS CATELLIER

SUBMITTED BY: **CA0418**

CARGILL-MORRIS
2 MILE ROAD
BOX 460
MORRIS, ME

ROG 1K0

REF # **685952** BOX # **0**
 LAB # **NW/1665**

Date Sampled

Date Received **09/25/2013**

Date Reported **10/11/2013**

Depth (in)	pH (Soil)	Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
			Canola-BL	YIELD GOAL	Soybeans	YIELD GOAL	corn	YIELD GOAL	
0-6"	10 lb/ac		50 BU		50 BU		100 BU		
6-24"	12 lb/ac								
0-24"	22 lb/ac								
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
Band/Maint.			Band/Maint.		Band/Maint.		Band/Maint.		
Clay	5 ppm		N 153		N 44		N 92		
P ₂ O ₅	168 ppm		P ₂ O ₅ 50 Band *		P ₂ O ₅ 46 Band *		P ₂ O ₅ 26 Band *		
K ₂ O	196 lb/ac		K ₂ O 23 Band *		K ₂ O 75 Band *		K ₂ O 23 Band *		
Ca	120 +lb/ac		Ca Not Available		Ca 0		Ca 0		
6-24"	360 -lb/ac								
S	1.5 ppm		S 10 Band		S 0		S 0		
B	1.23 ppm		B 0		B 0		B 0		
Zn	17.5 ppm		Zn 0		Zn 0		Zn 0		
Fe	1.8 ppm		Fe 0		Fe 0		Fe 0		
Mn	0.73 ppm		Mn 0		Mn 0		Mn 0		
Mg	1450 ppm		Mg 0		Mg 0		Mg 0		
CaCO ₃	4797 ppm		Ca 0		Ca 0		Ca 0		
Ammon	118 ppm		Mg 0		Mg 0		Mg 0		
Organic	3.4 %		Li		Li		Li		
0-6"	1.8 %								
6-24"	0.65 mmho/cm								
6-24"	0.88 mmho/cm								
Soil pH			Cation Exchange Capacity		% Base Saturation (Typical Range)				
Buffer pH			Capacity		% Ca	% Mg	% K	% Na	% H
0-6"	7.9		37.0 meq		(65-75)	(11-20)	(1-2)	(5-10)	(1-5)
6-24"	8.2				54.8	22.6	1.3	1.4	

General Comments: Texture is not estimated on high pH soils.

Crop 1: * Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P₂O₅ = 45 K₂O = 23 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is moderate based on the salt and carbonate levels. Crop Removal: P₂O₅ = 44 K₂O = 25 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen levels testing less than 60 lb/ac with a limited soybean history.

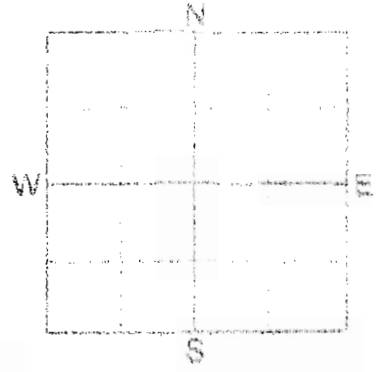
Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P₂O₅ = 30 K₂O = 23 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.



Soil Analysis by Agvise Laboratories
 (http://www.agvise.com)
 Northwood: (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID 27
 SAMPLE ID
 FIELD NAME 27
 COUNTY
 TWP 4 RANGE 4E
 SECTION 4 QTR N1/2 & SE ACRES 470
 PREV. CROP Soybeans



SUBMITTED FOR:
 CURTIS CATELLIER

SUBMITTED BY: CA0418
 CARGILL-MORRIS
 2 MILE ROAD
 BOX 460
 MORRIS, MB R0G 1K0

REF # 741459 BOX # 0
 LAB # NW130182

Date Sampled

Date Received 10/26/2013

Date Reported 3/18/2014

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice	
Depth	Value		Crop	Value	Crop	Value	Crop	Value
0-6" 6-24"	8 lb/ac 36 lb/ac	Medium	Canola-bu	50	Soybeans	50	Oats	125
0-24"	44 lb/ac		YIELD GOAL	50 BU	YIELD GOAL	50 BU	YIELD GOAL	125 BU
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES	
			Band/Maint.		Band/Maint.		Band/Maint.	
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION
Nitrate	6 ppm		N	116	N	***	N	51
Phosphorus	142 ppm		P2O5	48 Band *	P2O5	84 Band *	P2O5	14 Band *
Potassium	116 lb/ac		K2O	23 Band *	K2O	75 Band *	K2O	34 Band *
Chloride	66 lb/ac 360 +lb/ac		Cl	Not Available	Cl	0	Cl	0
Sulfur	1.4 ppm		S	10 Band	S	0	S	0
Boron	0.72 ppm		B	0	B	0	B	0
Zinc	23.9 ppm		Zn	3 Band (Trial)	Zn	3 Band (Trial)	Zn	3 Band (Trial)
Iron	1.5 ppm		Fe	0	Fe	0	Fe	0
Manganese	0.81 ppm		Mn	0	Mn	0	Mn	0
Magnesium	941 ppm		Cu	0	Cu	0	Cu	0
Calcium	5288 ppm		Mg	0	Mg	0	Mg	0
Sodium	41 ppm		Urea		Urea		Urea	
Org Matter	3.7 %		Soil pH		Buffer pH		Cation Exchange Capacity	
Carbonate (CEC)	2.9 %		0-4" 8.1		0-24" 8.1		34.8 meq	
Sol. Salts	0.49 mmho/cm 0.94 mmho/cm						% Base Saturation (Typical Range)	
							% Ca % Mg % K % Na % S	
							65-73 10-20 1-7 0-3 0-5	
							75.9 22.5 1.0 0.3	

General Comments: Texture is not estimated on high pH soils.
 Crop 1: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 18 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 48 K2O = 33 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.
 Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 15 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of iron chlorosis on soybeans on this field is moderate based on the salt and carbonate levels. Crop Removal: P205 = 44 K2O = 75 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.
 Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 15 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 30 K2O = 25 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Red River Pullet Farms Ltd. [Signature] Hereafter referred to as "Livestock Operator"

And: Curtis Catellier [Signature] Hereafter referred to as:
 "Landowner" or "Land Renter"

Date: and 10/19

The duration of this agreement is of 10 years, beginning at the above date.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal Location	(Check One)		Nominal Size (acres)	Area available for spreading (acres, exclusive of setbacks)	Cropping Intentions	Preferred Application Time
		Owned	Rented				
22	SE 16-4-4E		<input checked="" type="checkbox"/>	180	158.8	Spring Wheat	Fall
21	(E 1/2) SW/NW 16-4-4E		<input checked="" type="checkbox"/>	160	159.4	Soybeans	Fall

The Landowner or Land Renter: (Check where applicable/proposed)

- will keep this document and any other related records in his files;
- will notify the Livestock Operator of the dates those fields will be available for spreading
- agrees to purchase manure nutrient at a rate of \$ _____ per 1000 gal or tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

- Time of Application Spring Summer Fall
- Application Method Broadcast Broadcast and incorporate within 48 hours
- Injection Irrigation/Sprinkler

Applicator

Livestock Operator Name of applicator: _____

Custom Applicator

Anticipated Manure Application Starting Date: _____

The Livestock Operator: (Check where applicable/proposed)

- will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- will carry out a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- will calculate the manure application rate for each field on the basis of (check only one):
 - the soil test recommendations for plant nitrogen requirements, or
 - the soil test recommendations for plant phosphorus requirements, or
 - general soil fertility recommendations as per the Soil Fertility Guide (Manitoba Agriculture and Food) or the Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba series
- will provide a proof of calibration for the manure spreading equipment;
- will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P, K);
- will have a manure management plan prepared by a professional agronomist, along with field map(s) highlighting setbacks to observe;
- will provide a copy of overall manure management plan to the Landowner and the Land Renter, if applicable.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Red River Pullet Farms Ltd. (Please Print) *Paul Douc* (Signature) Hereafter referred to as "Livestock Operator"

And: Guy Forest (Please Print) *Guy Forest* (Signature) Hereafter referred to as:
 "Landowner" or "Land Renter"

Date: and 10/14
 I acknowledge support of the spread agreement signed between Red River Pullet Farms Ltd. and Curtis Catellier who has an agreement to rent this land from me.
 The duration of this agreement is of 10 years, beginning at the above date.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal Location	(Check One)		Nominal Size (acres)	Area available for spreading (acres, exclusive of setbacks)	Cropping Intentions	Preferred Application Time
		Owned	Rented				
22	SE 16-4-4E		<input checked="" type="checkbox"/>	160	158.8	Spring Wheat	Fall
21	(E 1/2) SW/NW 16-4-4E		<input checked="" type="checkbox"/>	160	159.4	Soybeans	Fall

The Landowner or Land Renter: (Check where applicable/proposed)

- will keep this document and any other related records in his files;
- will notify the Livestock Operator of the dates those fields will be available for spreading
- agrees to purchase manure nutrient at a rate of \$ _____ per 1000 gal or tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

- Time of Application Spring Summer Fall
 Application Method Broadcast Broadcast and incorporate within 48 hours
 Injection Irrigation/Sprinkler

Applicator

Livestock Operator
 Custom Applicator Name of applicator: _____
 Anticipated Manure Application Starting Date: _____

The Livestock Operator: (Check where applicable/proposed)

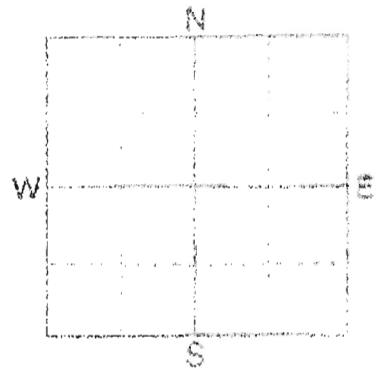
- will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- will carry out a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- will calculate the manure application rate for each field on the basis of (check only one):
 - the soil test recommendations for plant nitrogen requirements, or
 - the soil test recommendations for plant phosphorus requirements, or
 - general soil fertility recommendations as per the Soil Fertility Guide (Manitoba Agriculture and Food) or the Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba series
- will provide a proof of calibration for the manure spreading equipment;
- will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P, K);
- will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;
- will provide a copy of overall manure management plan to the Landowner and the Land Renter, if applicable.



Soil Analysis by Agvise Laboratories
 (http://www.agvise.com)
 Northwood: (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID 22
 SAMPLE ID
 FIELD NAME 22
 COUNTY
 TWP 4 RANGE 4E
 SECTION 16 QTR SE ACRES 160
 PREV. CROP Soybeans



SUBMITTED FOR:
 CURTIS CATELLIER

SUBMITTED BY: CA0418
 CARGILL-MORRIS

GPS

2 MILE ROAD
 BOX 460
 MORRIS, MB

ROG 1K0

REF # 741444 BOX # 0
 LAB # NW132443

Date Sampled

Date Received 10/29/2013

Date Reported 2/18/2014

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
Depth	Value		Crop	Value	Crop	Value	Crop	Value	
0-6"	14 lb/ac	Soil Mg. HIGH	Canola-bu	50	Soybeans	50	0-0-60	50	
6-24"	21 lb/ac		YIELD GOAL	50	YIELD GOAL	50	YIELD GOAL	120	
0-24"	35 lb/ac		SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	
			Band/Maint.	Band/Maint.	Band/Maint.	Band/Maint.	Band/Maint.	Band/Maint.	
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	
Nitrogen	3 ppm		N	125	N	125	N	75	
Phosphorus	255 ppm		P2O5	55	P2O5	50	P2O5	40	
Potassium	32 lb/ac		K2O	0	K2O	0	K2O	10	
								(Starter)*	
Chloride	16 lb/ac		Cl	Not Available	Cl	0	Cl	8	
Sulfur	78 lb/ac		S	15	S	5	S	5	
Boron	1.3 ppm		B	0	B	0	B	0	
Zinc	0.81 ppm		Zn	3	Zn	3	Zn	2	
Copper	30.4 ppm		Cu	0	Cu	0	Cu	0	
Manganese	1.3 ppm		Mn	0	Mn	0	Mn	0	
Copper	1.56 ppm		Co	0	Co	0	Co	0	
Magnesium	1463 ppm		Mg	0	Mg	0	Mg	0	
Calcium	7423 ppm		Ca	0	Ca	0	Ca	0	
Sodium	34 ppm		Na	0	Na	0	Na	0	
Org. Matter	4.9 %		Lim		Lim		Lim		
Carbonate (CO3)	10.3 %								
0-6"	0.48 mmho/cm		Soil pH	8.1	Cation Exchange Capacity	50.1 meq	% Base Saturation (Typical Range)		
6-24"	0.51 mmho/cm		Buffer pH	8.4			% Ca	% Mg	% K
							60-75	15-20	1-1
							74.1	24.3	1.5

General Comments: Texture is not estimated on high pH soils.
 Crop 1: ** Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 15 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 40 K2O = 25 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.
 Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 15 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. The risk of the development of Iron Chlorosis on soybeans on this field is high based on the salt and carbonate levels. Crop Removal: P2O5 = 44 K2O = 75 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean harvest.
 Crop 3: 17 lbs of 0-0-60 = 8 lbs of Chloride * * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 15 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 30 K2O = 23 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.



Soil Analysis by Agvise Laboratories
 (http://www.agvise.com)
 Northwood: (701) 587-6010
 Benson: (220) 843-4109

SOIL TEST REPORT

FIELD ID: 21
 SAMPLE ID:
 FIELD NAME:
 COUNTY:
 TWP: 4 RANGE: 4E
 SECTION: 16 QTR: E1/2 OF W1/2 ACRES
 PREV. CROP: Wheat-Spring

SUBMITTED FOR:
CURTIS CATELLIER

SUBMITTED BY: CA0418
CARGILL-MORRIS
 2 MILE ROAD
 BOX 460
 MORRIS, MB R0G 1K0

REF # 685961 BOX # 0
 LAB # WY71664

Qua: Sample #

Date Received: 09/25/2013

Date Reported: 10/11/2013

Depth	pH	EC	SOM	Cation Exchange Capacity	1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
					Yield Goal	Suggested Guidelines	Yield Goal	Suggested Guidelines	Yield Goal	Suggested Guidelines	
0-6"	7.9	0.74 mmho/cm	24 lb/ac	53.8 meq	50 bu	50 bu	50 bu	50 bu	50 bu	50 bu	
6-24"	8.2	0.61 mmho/cm	9 lb/ac								
0-24"			33 lb/ac								
0-6"			20 lb/ac								
6-24"			48 lb/ac								
0-6"			1.4 ppm								
6-24"			1.03 ppm								
0-6"			27.3 ppm								
6-24"			1.4 ppm								
0-6"			1.84 ppm								
6-24"			1662 ppm								
0-6"			7768 ppm								
6-24"			38 ppm								
0-6"			5.7 %								
6-24"			7.2 %								
0-6"			0.74 mmho/cm								
6-24"			0.61 mmho/cm								
Soil pH					Cation Exchange Capacity		% Base Saturation (Typical Range)				
0-6" 7.9					53.8 meq		% Ca	% Mg	% K	% Na	% Other
6-24" 8.2							72.8	25.7	1.7	0.3	0.0

General Comments: Texture is not estimated on high pH soils.
 Crop 1: Chloride yield data is limited for this crop. * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil levels. Crop Removal: P205 = 45 K2O = 20 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.
 Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil levels. The risk of the development of iron chlorosis on soybeans on this field is very high based on the salt and carbonate levels. Crop Removal: P205 = 44 K2O = 25 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.
 Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil levels. Crop Removal: P205 = 39 K2O = 20 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

Spread Agreement #4

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Red River Pullet Farms Ltd. (Please Print) [Signature] (Signature) Hereafter referred to as "Livestock Operator"

And: Benoit Cateiller (Please Print) [Signature] (Signature) Hereafter referred to as: "Landowner" or "Land Renter"

Date: Apr 10/14

The duration of this agreement is of 10 years, beginning at the above date.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal Location	(Check One)		Nominal Size (acres)	Area available for spreading (acres, exclusive of setbacks)	Cropping Intentions	Preferred Application Time
		Owned	Rented				
3	NE 3-4-4E	<input checked="" type="checkbox"/>	<input type="checkbox"/>	160	132.2	Soybeans	Fall

The Landowner or Land Renter: (Check where applicable/proposed)

- will keep this document and any other related records in his files;
- will notify the Livestock Operator of the dates those fields will be available for spreading
- agrees to purchase manure nutrient at a rate of \$ _____ per 1000 gal or tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator.
- will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

- Time of Application: Spring Summer Fall
- Application Method: Broadcast Broadcast and incorporate within 48 hours Injection Irrigation/Sprinkler

Applicator

Livestock Operator Custom Applicator Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: (Check where applicable/proposed)

- will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- will carry out a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- will calculate the manure application rate for each field on the basis of (check only one):
 - the soil test recommendations for plant nitrogen requirements, or
 - the soil test recommendations for plant phosphorus requirements, or
 - general soil fertility recommendations as per the Soil Fertility Guide (Manitoba Agriculture and Food) or the Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba series
- will provide a proof of calibration for the manure spreading equipment;
- will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P, K);
- will have a manure management plan prepared by a professional agronomist, along with field map(s) highlighting setbacks to observe;
- will provide a copy of overall manure management plan to the Landowner and the Land Renter, if applicable.



Soil Analysis by Agvise Laboratories
 (http://www.agvise.com)
 Northwood, (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID: 3
 SAMPLE ID:
 FIELD NAME:
 COUNTY:
 TWP: 4 RANGE: 4E VY:
 SECTION: 3 QTR: NE ACRES:
 PREV. CROP: Wheat-Spring

SUBMITTED FOR:
 BEN CATELLIER

SUBMITTED BY: CA0418
 CARGILL-MORRIS
 2 MILE ROAD
 BOX 460
 MORRIS, MB
 ROG 1K0

REF # 685949 BOX #
 LAB # NW71642

Date Sampled:

Date Received 09/25/2013

Date Reported 10/11/2013

Depth	Type Soil	Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice	
			Yield Goal	Suggested Guidelines	Yield Goal	Suggested Guidelines	Yield Goal	Suggested Guidelines
0-6"	12 lb/ac		50 BU	50 BU	50 BU	50 BU	50 BU	50 BU
6-24"	9 lb/ac							
0-24"	21 lb/ac							
0-6"	8 ppm		N 154	N 154	N 99	N 99	N 99	N 99
6-24"	241 ppm		P ₂ O ₅ 45 Band +	P ₂ O ₅ 44 Band +	P ₂ O ₅ 41 Band +	P ₂ O ₅ 41 Band +	P ₂ O ₅ 41 Band +	P ₂ O ₅ 41 Band +
0-6"	88 lb/ac		K ₂ O 23 Band +	K ₂ O 73 Band +	K ₂ O 23 Band +	K ₂ O 23 Band +	K ₂ O 23 Band +	K ₂ O 23 Band +
0-6"	118 lb/ac		Cl Not Available	Cl 0	Cl 0	Cl 0	Cl 0	Cl 0
6-24"	360 + lb/ac		S 10 Band	S 0	S 0	S 0	S 0	S 0
0-6"	2.1 ppm		O 0	H 0	O 0	O 0	O 0	O 0
6-24"	1.25 ppm		Zn 0	Zn 0	Zn 0	Zn 0	Zn 0	Zn 0
0-6"	26.2 ppm		Fe 0	Fe 0	Fe 0	Fe 0	Fe 0	Fe 0
6-24"	1.9 ppm		Mn 0	Mn 0	Mn 0	Mn 0	Mn 0	Mn 0
0-6"	1.28 ppm		Cu 0	Cu 0	Cu 0	Cu 0	Cu 0	Cu 0
6-24"	2270 ppm		Mg 0	Mg 0	Mg 0	Mg 0	Mg 0	Mg 0
0-6"	4832 ppm		Ca 0	Ca 0	Ca 0	Ca 0	Ca 0	Ca 0
6-24"	156 ppm		Ume	Ume	Ume	Ume	Ume	Ume
0-6"	5.8 %		Soil pH 7.8	Buffer pH 8.5	Cation Exchange Capacity 44.4 meq	% Base Saturation (Typical Range)		
6-24"	1.7 %					% Ca 64.3	% Mg 42.5	% K 8.4
0-6"	0.74 mmho/cm					% Na 1.1	% NH ₄ 1.5	% H 1.7
6-24"	0.89 mmho/cm							

General Comments: Texture is not estimated on high pH soils.
 Crop 1: Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.
 Crop 2: Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. The development of iron chlorosis on soybeans on this field is moderate based on the salt and carbonate levels. Crop Removal: P2O5 = 41 K2O = 23 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them. Soybeans may respond to nitrogen on yields less than 60 lb/ac with a limited soybean history.
 Crop 3: Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 41 K2O = 23 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Red River Pullet Farms Ltd. *Pat D. ...* Hereafter referred to as "Livestock Operator"
(Please Print) (Signature)

And: Benoit Cestaller Hereafter referred to as:
(Please Print) (Signature) "Landowner" or "Land Renter"

Date: April 10/14

The duration of this agreement is of 0 years, beginning at the above date.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal Location	(Check One)		Nominal Size (acres)	Area available for spreading (acres, exclusive of setbacks)	Cropping Intentions	Preferred Application Time
		Owned	Rented				
5	NW/SW (N 1/2) 3-4-4E		<input checked="" type="checkbox"/>	240	214.7	Winter Wheat	Fall

The Landowner or Land Renter: (Check where applicable/proposed)

- will keep this document and any other related records in his files;
- will notify the Livestock Operator of the dates those fields will be available for spreading
- agrees to purchase manure nutrient at a rate of \$ _____ per 1000 gal or tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

- Time of Application: Spring Summer Fall
- Application Method: Broadcast Broadcast and incorporate within 48 hours Irrigation/Sprinkler
- Injection

Applicator

Livestock Operator
 Custom Applicator Name of applicator: _____
 Anticipated Manure Application Starting Date: _____

The Livestock Operator: (Check where applicable/proposed)

- will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- will carry out a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- will calculate the manure application rate for each field on the basis of (check only one):
 - the soil test recommendations for plant nitrogen requirements, or
 - the soil test recommendations for plant phosphorus requirements, or
 - general soil fertility recommendations as per the Soil Fertility Guide (Manitoba Agriculture and Food) or the Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba series
- will provide a proof of calibration for the manure spreading equipment;
- will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P, K);
- will have a manure management plan prepared by a professional agronomist, along with field map(s) highlighting setbacks to observe;
- will provide a copy of overall manure management plan to the Landowner and the Land Renter, if applicable.

Spread Agreement #6 - in support of Agreement #5 made with Benoit Catellier

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Red River Pullet Farms Ltd. (Please Print) [Signature] (Signature) Hereafter referred to as "Livestock Operator"

And: Pat Huebner (Please Print) [Signature] (Signature) Hereafter referred to as:
 "Landowner" or "Land Renter"

Date: April 10/14
 I acknowledge support of the spread agreement signed between Red River Pullet Farms Ltd. and Benoit Catellier who has an agreement to rent this land from me.
 The duration of this agreement is of 10 years, beginning at the above date.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal Location	(Check One)		Nominal Size (acres)	Area available for spreading (acres, exclusive of setbacks)	Cropping Intentions	Preferred Application Time
		Owned	Rented				
5	NW/SW (N 1/2) 3-4-4E		<input checked="" type="checkbox"/>	240	214.7	Winter Wheat	Fall

The Landowner or Land Renter: (Check where applicable/proposed)

- will keep this document and any other related records in his files;
- will notify the Livestock Operator of the dates those fields will be available for spreading
- agrees to purchase manure nutrient at a rate of \$ _____ per 1000 gal or tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

- Time of Application Spring Summer Fall
 Application Method Broadcast Broadcast and incorporate within 48 hours
 Injection Irrigation/Sprinkler

Applicator

Livestock Operator
 Custom Applicator Name of applicator: _____
 Anticipated Manure Application Starting Date: _____

The Livestock Operator: (Check where applicable/proposed)

- will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- will carry out a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- will calculate the manure application rate for each field on the basis of (check only one):
 - the soil test recommendations for plant nitrogen requirements, or
 - the soil test recommendations for plant phosphorus requirements, or
 - general soil fertility recommendations as per the Soil Fertility Guide (Manitoba Agriculture and Food) or the Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba series
- will provide a proof of calibration for the manure spreading equipment;
- will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P, K);
- will have a manure management plan prepared by a professional agronomist, along with field map(s) highlighting setbacks to observe;
- will provide a copy of overall manure management plan to the Landowner and the Land Renter, if applicable.



Soil Analysis by Agrise Laboratories
 (801) 777-4444 / www.agrise.com
 Northwood: (701) 587-6010
 Benson: (370) 843-4109

SOIL TEST REPORT

FIELD ID **5**
 SAMPLE ID
 FIELD NAME
 COUNTY
 TWP **4** RANGE **4E**
 SECTION **3** QTR **NW+NSW** ACRES **233**
 PREV. CROP **Canola-bu**

SUBMITTED FOR:
BEN CATELLIER

SUBMITTED BY: **CA0418**
CARGILL-MORRIS
2 MILE ROAD
BOX 460
MORRIS, MB **ROG 1K0**

REL # **G69789** BOX # **0**
 LAB # **NW64772**

Part Sampled

Date Received **09/20/2013**

Date Reported **10/11/2013**

		1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		Wheat Winter		Wheat-Winter		Wheat-Winter				
		YIELD GOAL		YIELD GOAL		YIELD GOAL				
		80 BU		90 BU		100 BU				
		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
		Band/Plant		Band/Plant		Band/Plant				
		LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
0-6"	17 lb/ac	N 158		N 182		N 206				
6-24"	15 lb/ac	P ₂ O ₅ 57	Band *	P ₂ O ₅ 63	Band *	P ₂ O ₅ 71	Band *			
0-24"	34 lb/ac	K ₂ O 62	Band *	K ₂ O 69	Band *	K ₂ O 77	Band *			
		Cl 0		Cl 0		Cl 0				
		S 0		S 0		S 0				
		B 0		B 0		B 0				
		Zn 3	Band (Trial)	Zn 3	Band (Trial)	Zn 3	Band (Trial)			
		Pb 0		Pb 0		Pb 0				
		Mn 0		Mn 0		Mn 0				
		Cu 2	Band	Cu 2	Band	Cu 2	Band			
		Mg 0		Mg 0		Mg 0				
		Lime		Lime		Lime				
		Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
		0-6" 8.3		37.6 meq		% Ca	% Mg	% K	% Na	% H
		6-24" 8.7				100.0	11.0	1.0	0.0	0.0
						75.2	23.5	0.0	0.0	0.0

General Comments: Texture is not estimated on high pH soils.
 Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 56 K2O = 10 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.
 Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 56 K2O = 10 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.
 Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 63 K2O = 12 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Red River Pullet Farms Ltd. Jel Daul Hereafter referred to as "Livestock Operator"
(Please Print) (Signature)

And: Tony Wiens Tony Wiens Hereafter referred to as:
(Please Print) (Signature) "Landowner" or "Land Renter"

Date: March 31/14

The duration of this agreement is of 10 years, beginning at the above date.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal Location	(Check One)		Nominal Size (acres)	Area available for spreading (acres, exclusive of setbacks)	Cropping Intentions	Preferred Application Time
		Owned	Rented				
	SE 8-4-6E (W 2/3)	<input checked="" type="checkbox"/>		115	114.7	Grass (Pasture)	Fall

The Landowner or Land Renter: (Check where applicable/proposed)

- will keep this document and any other related records in his files;
- will notify the Livestock Operator of the dates those fields will be available for spreading
- agrees to purchase manure nutrient at a rate of \$ _____ per 1000 gal or tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

- Time of Application Spring Summer Fall
- Application Method Broadcast Broadcast and incorporate within 48 hours
- Injection Irrigation/Sprinkler

Applicator

Livestock Operator Custom Applicator Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: (Check where applicable/proposed)

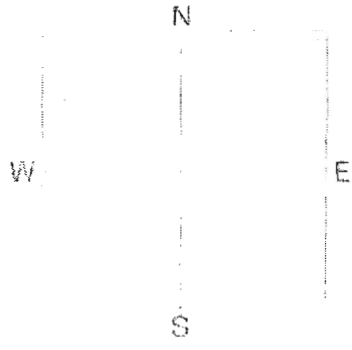
- will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- will carry out a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- will calculate the manure application rate for each field on the basis of (check only one):
 - the soil test recommendations for plant nitrogen requirements, or
 - the soil test recommendations for plant phosphorus requirements, or
 - general soil fertility recommendations as per the Soil Fertility Guide (Manitoba Agriculture and Food) or the Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba series
- will provide a proof of calibration for the manure spreading equipment;
- will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P, K);
- will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;
- will provide a copy of overall manure management plan to the Landowner and the Land Renter, if applicable.



Soil Analysis by Agvise Laboratories
 (http://www.agvise.com)
 Northwood: (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **1474**
 SAMPLE ID
 FIELD NAME **Tony Wiens**
 COUNTY
 TWP **SE8-4-6E** RANGE
west
 SECTION QTR ACRES **127**
 PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Averick Farms Inc

SUBMITTED BY: **EL1911**
AGRA-GOLD CONSULTING LTD
CLIFF LOEWEN
BOX 156
BLUMENORT, MB **ROA 0C0**

REF # **658842** BOX # **0**
 LAB # **NW41869**

Date Sampled **08/22/2013**

Date Received **08/26/2013**

Date Reported **8/26/2013**

Nutrient In The Soil		Interpretation	1st Crop Choice	2nd Crop Choice	3rd Crop Choice	
		V Low Low Med High	Grass/Pasture			
0-6"	6 lb/ac					
6-24"	6 lb/ac					
0-24"	12 lb/ac					
Nitrate						
Olsen Phosphorus	55 ppm					
Potassium	175 ppm					
Chloride						
0-6"	52 lb/ac					
6-24"	108 lb/ac					
Sulfur						
Boron						
Zinc						
Iron						
Manganese						
Copper						
Magnesium						
Calcium						
Sodium						
Org. Matter						
Carbonate (CCE)						
0-6"	0.52 mmho/cm					
6-24"	0.32 mmho/cm					
Soil Salts						
			YIELD GOAL	YIELD GOAL	YIELD GOAL	
			4 Tons	0	0	
			SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	
			Band			
			LB/ACRE APPLICATION	LB/ACRE APPLICATION	LB/ACRE APPLICATION	
			N 108	N	N	
			P ₂ O ₅ 0	P ₂ O ₅	P ₂ O ₅	
			K ₂ O 21 Band *	K ₂ O	K ₂ O	
			Cl	Cl	Cl	
			S 0	S	S	
			B	B	B	
			Zn	Zn	Zn	
			Fe	Fe	Fe	
			Mn	Mn	Mn	
			Cu	Cu	Cu	
			Mg	Mg	Mg	
			Lime	Lime	Lime	
			Soil pH Buffer pH Cation Exchange Capacity	% Base Saturation (Typical Range)		
				% Ca	% Mg	% K
				% Na	% H	
			0-6" 8.2			
			6-24" 8.4			

Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 48 K2O = 180 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

Appendix 10

CROP ROTATION TABLE

A	B	C	D	E
Expected Crops in the Rotation	Acreage	Historical Yield	Units	Source of Yield Information
Soybeans	435.3	32.1	bu/acre	MASC data – 10 year yield (2003-2013)
Spring Wheat	864.8	48.9	bu/acre	MASC data – 10 year yield (2003-2013)
Winter Wheat	214.7	72.8	bu/acre	MASC data – 10 year yield (2003-2013)
Hay	114.7	1,514	bu/acre	MASC data – 10 year yield (2003-2013)
Total Net Acreage for Manure Application	1629.5			

- List all of the crop(s) to be grown in the rotation on the acreage that will receive manure.
- Indicate the average acreage for each crop over the rotation. For example, if there are 720 suitable acres available for manure and approximately 40 these acres will be used to grow canola, enter 288. The total of column B should add up to Total Net Acreage for Manure Application provided in the Manure Application Field Characteristic Table.
- Enter the historical yield average for each crop. Long-term yield averages can be determined using MASC data (<http://www.masc.mb.ca/masc.nsf/index.html?OpenPage>) or on-farm yield records. If on-farm yield records are used, please provide copies.
- Enter the units for the yields provided (e.g. bu/acre, tons/acre).
- Enter the source of the historical yield average provided.

MASC Data – 10 Year Historical Yields (2003 – 2013) for Crop Rotation

Search Summary

Your selected search:

Region(s) Selected: DESALABERRY

Crop(s) Selected: SOYBEANS

Variety(s) Selected: All

Period Selected: 2003 to 2013

This search returned 199 records from the MASC database, summarized below:

Sum of Farm Varieties:	863 farms
Total Acres:	182,989 acres
Yield per Acre:	32.1 Bushels / acre (0.874 tonnes / acre)

[View Raw Data](#)

Search Summary

Your selected search:

Region(s) Selected: DESALABERRY

Crop(s) Selected: RED SPRING WHEAT

Variety(s) Selected: All

Period Selected: 2003 to 2013

This search returned 68 records from the MASC database, summarized below:

Sum of Farm Varieties:	771 farms
Total Acres:	227,725 acres
Yield per Acre:	48.9 Bushels / acre (1.331 tonnes / acre)

[View Raw Data](#)

Search Summary

Your selected search:

Region(s) Selected: DESALABERRY

Crop(s) Selected: WINTER WHEAT

Variety(s) Selected: All

Period Selected: 2003 to 2013

This search returned 27 records from the MASC database, summarized below:

Sum of Farm Varieties:	230 farms
Total Acres:	61,733 acres
Yield per Acre:	72.8 Bushels / acre (1.982 tonnes / acre)

[View Raw Data](#)

Search Summary

Your selected search:

Region(s) Selected: HANOVER

Crop(s) Selected: GRASSES

Variety(s) Selected: All

Period Selected: 2003 to 2013

This search returned 55 records from the MASC database, summarized below:

Sum of Farm Varieties:	145 farms
Total Acres:	8,857 acres
Yield per Acre:	1.514 Tons / acre (1.374 tonnes / acre)

[View Raw Data](#)

Crop Nutrient Removal

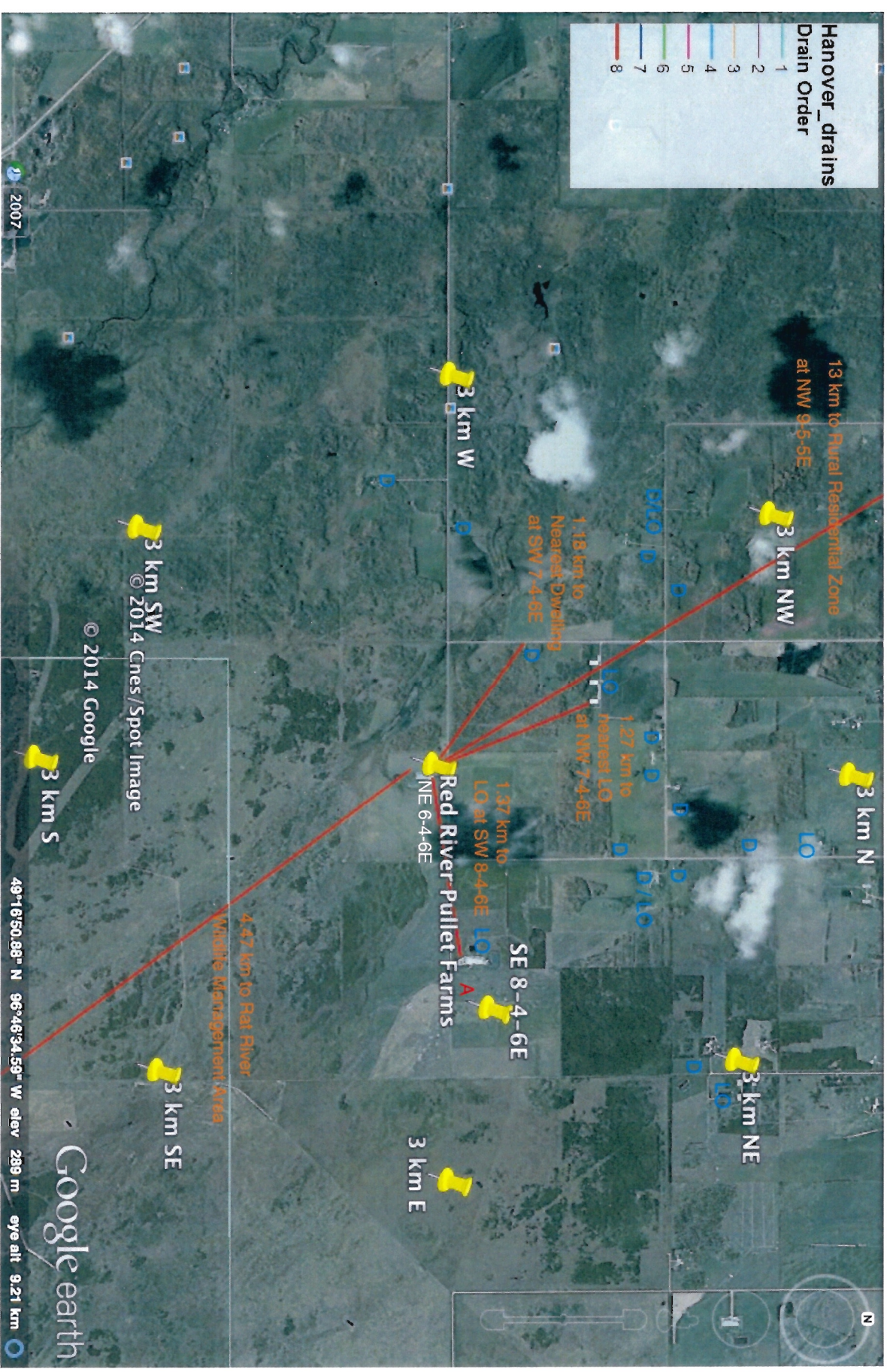
Operation Name:

RED RIVER VALLEY FARMERS LTD.

Crop	P ₂ O ₅ Removed		Historical Average Yield	Unit	Acreage	Total Removal		
	per Unit of Crop	N Removed per Unit of Crop				P ₂ O ₅	2(P ₂ O ₅)	Nitrogen (N)
Alfalfa	13.80	58.00		tons/ac				
Barley Grain	0.42	0.97		bu/ac				
Barley Silage	11.80	34.40		tons/ac				
Canola	1.04	1.93		bu/ac				
Corn Grain	0.44	0.97		bu/ac				
Corn Silage	12.70	31.20		tons/ac				
Dry edible beans	1.39	4.17		cwt/ac				
Fababeans	1.79	5.02		cwt/ac				
Flax	0.65	2.13		bu/ac				
Grass hay	10.00	34.20	1.514	tons/ac	114.7	1.1	2.1	3.6
Lentils	1.03	3.39		cwt/ac				
Oats	0.26	0.62		bu/ac				
Peas	0.69	2.34		bu/ac				
Potatoes	0.09	0.32		cwt/ac				
Rye	0.45	1.06		bu/ac				
Soybeans	0.84	3.87	32.1	bu/ac	435.3	6.7	13.4	33.2
Sunflower	1.10	2.80		cwt/ac				
Wheat - Spring	0.59	1.50	48.9	bu/ac	864.8	15.3	30.6	38.9
Wheat - Winter	0.51	1.04	72.8	bu/ac	214.7	4.9	9.8	10.0
					1629.5	27.9	55.9	85.7

Appendix 12

Land Use Map: Red River Pullet Farms Ltd. (NE 6-4-6E, RM of Hanover) and Spread Field at SE 8-4-6E

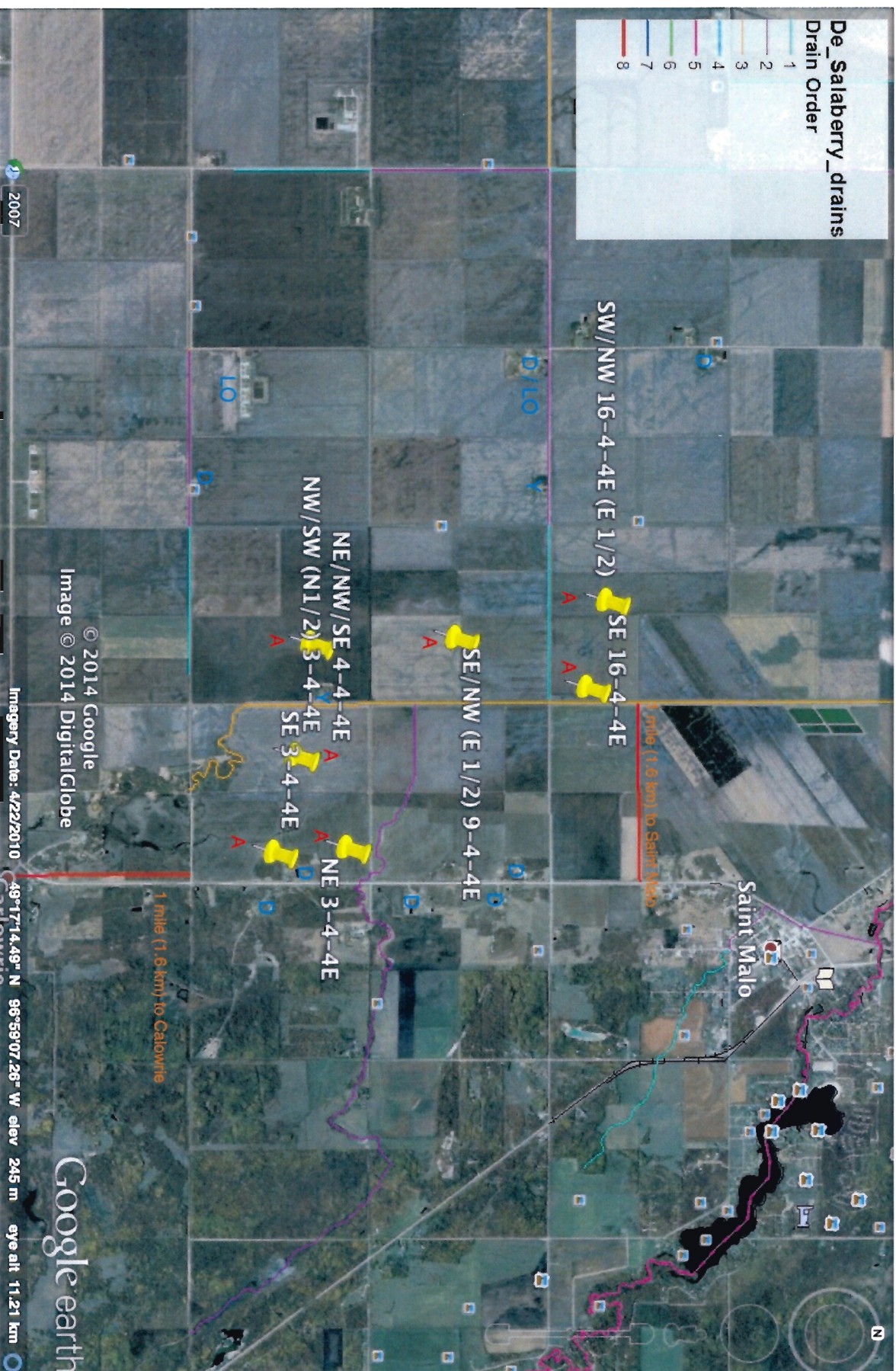


LEGEND: D = Dwelling LO = Livestock Operation A = Spread Field (Agreement)

APPENDIX 13

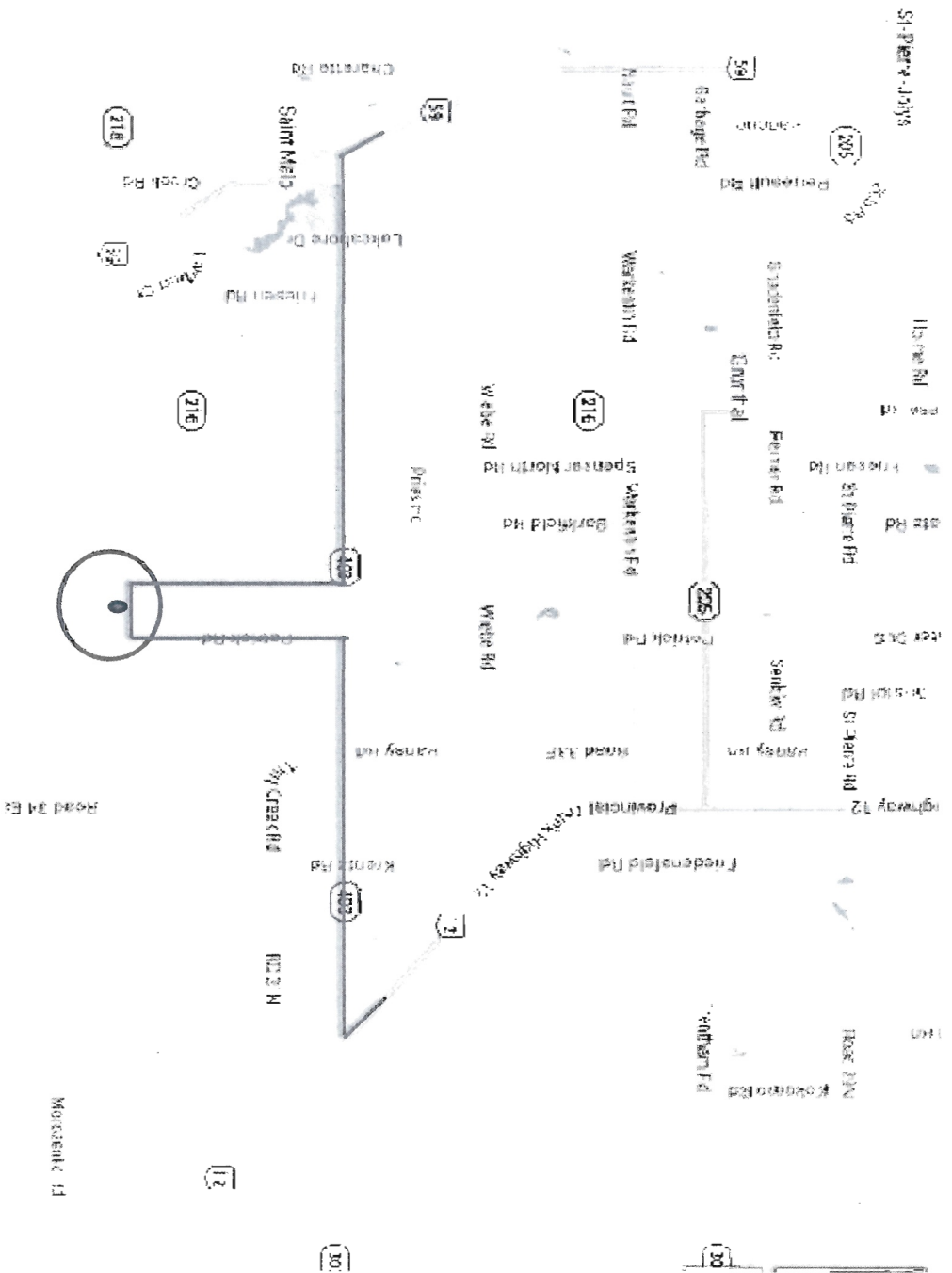
Red River Pullet Farms Ltd. Spread Field Map

NE 3-4-4E, SE 3-4-4E, NW/SW (N 1/2) 3-4-4E, NE/NW/SE 4-4-4E, SE/NW (E 1/2) 9-4-4E, SE 16-4-4E, SW/NW (E 1/2) 16-4-4E



LEGEND: A = Spread Field (Agreement) D = Dwelling Y = Yard (no dwelling) LO = Livestock Operation

Appendix 14 - Truck Haul Routes and Access Points Map



Truck Haul and Access Routes Map





Truck Haul Route




NE 6-4-GE

RM of Hanover


Appendix 15 - Response From Conservation Data Centre


Microsoft
Outlook Web App

Type here to search    Options  Sign out

Mail   

Deleted Items (43)
Drafts [19]
Inbox (1)
Junk E-mail
Sent Items

Click to view all folders 

Manage Folders... 

Red River Pullet Farms Site Assessment
Friesen, Chris (CWS) [Chris.Friesen@gov.mb.ca]

You replied on 2/22/2014 1:56 PM.

Sent: Friday, February 21, 2014 11:29 AM
To: Will Redekop

William

Thank you for your information request. I completed a search of the Manitoba Conservation Data Centre's rare species database and **found no occurrences at this time for your area of interest.**

The information provided in this letter is based on existing data known to the Manitoba Conservation Data Centre at the time of the request. These data are dependent on the research and observations of CDC staff and others who have shared their data, and reflect our current state of knowledge. An absence of data in any particular geographic area does not necessarily mean that species or ecological communities of concern are not present; in many areas, comprehensive surveys have never been completed. Therefore, this information should be regarded neither as a final statement on the occurrence of any species of concern, nor as a substitute for on-site surveys for species as part of environmental assessments.

Because the Manitoba CDC's Biotics database is continually updated and because information requests are evaluated by type of action, any given response is only appropriate for its respective request. Please contact the Manitoba CDC for an update on this natural heritage information if more than six months pass before it is utilized.

Third party requests for products wholly or partially derived from Biotics must be approved by the Manitoba CDC before information is released. Once approved, the primary user will identify the Manitoba CDC as data contributors on any map or publication using

Biotics data, as follows as: Data developed by the Manitoba Conservation Data Centre; Wildlife and Ecosystem Protection Branch, Manitoba Conservation.

This letter is for information purposes only - it does not constitute consent or approval of the proposed project or activity, nor does it negate the need for any permits or approvals required by the Province of Manitoba.

We would be interested in receiving a copy of the results of any field surveys that you may undertake, to update our database with the most current knowledge of the area.

If you have any questions or require further information please contact me directly at (204) 945-7747.

Chris Friesen
Biodiversity Information Manager
Manitoba Conservation Data Centre
204-945-7747
chris.friesen@gov.mb.ca
<http://www.gov.mb.ca/conservation/cdc/>

-----Original Message-----

From:
Sent: February-19-14 11:12 PM
To: Friesen, Chris (CWS)
Subject: WWW Form Submission

Below is the result of your feedback form. It was submitted by WWW Information Request () on Wednesday, February 19, 2014 at 23:11:46

DocumentID: Manitoba_Conservation
Project Title: Red River Pullet Farms Site Assessment
Date Needed: 2014/02/28
Name: William Redekop

Company/Organization: Penfor Construction

City: Blumenort

Province/State: MB

Phone: 204-807-8429

Email: wredekop@penforconstruction.com

Project Description: We are preparing a Site Assessment for the setup of a proposed livestock operation with more than 300 animal units and require a Conservation Data Centre Report to accompany this submission.

I understand from the above that the required timeline is tight and would appreciate anything you can do to assist with sending it within this timeframe.

Information Requested: The presence of rare species.

Format Requested: Map by email.

Location: RM of Hanover: NE 6-4-6 E

action: Submit



Connected to Microsoft Exchange