



TECHNICAL REVIEW COMMITTEE

A TECHNICAL REVIEW REPORT

PREPARED FOR

**THE RURAL MUNICIPALITY
OF HANOVER**

**MILLENNI EGG FARM
(2010) INC.**

W1/2 SW 31-07-05 EPM

TRC 12-070

JUNE 18, 2020

A. INTRODUCTION – THE TEAM

The Technical Review Committee (TRC) is supported by the following department personnel:

Agriculture and Resource Development (ARD)

- Aggregate Resource Planner
- Agricultural Engineer
- Business Development Specialist
- Crown Lands Manager
- Fish Habitat Specialist
- Groundwater Specialist
- Habitat Mitigation and Wildlife Land Specialist
- Land-Water Specialist
- Livestock Environment Specialist
- Nutrient Management Specialist
- Veterinarians

Conservation and Climate (CC)

- Environmental Engineer
- Environment Officer
- Water Rights Licensing Technologist

Infrastructure (MI)

- Senior Development Review Technologist
- Senior Flood Protection Planning Officer

Municipal Relations (MR)

- Community Planners

And any other specialist or department that may have an interest, which may be consulted during the process.

THE TECHNICAL REVIEW COMMITTEE (TRC) REPORT

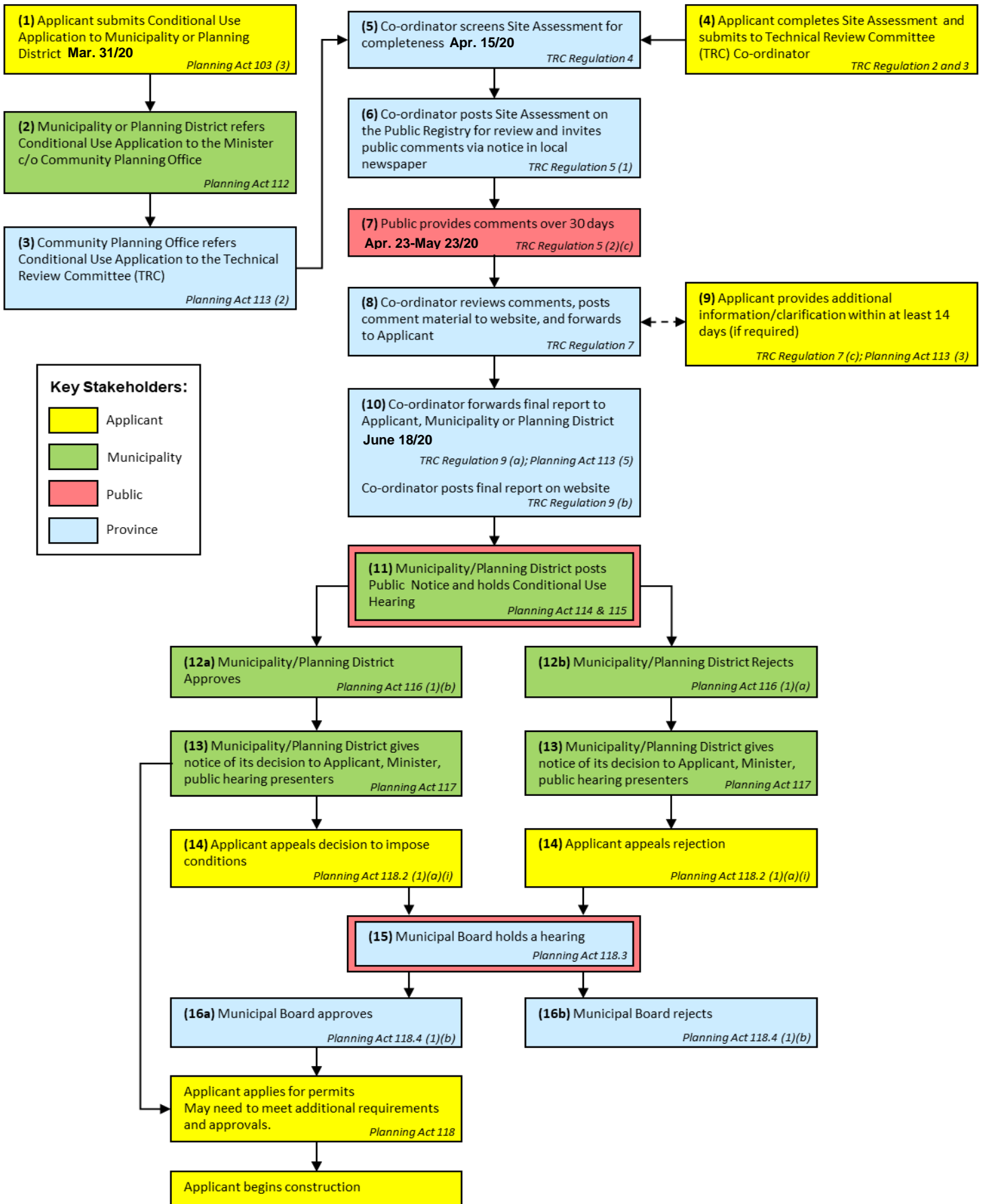
Purpose of TRC Reports

To provide objective, credible, technically-based assessments that:

- a) Enable municipal councils or planning districts to make informed Conditional Use Permit decisions;
- b) Create a common stakeholder understanding of a livestock proposal, potential impacts and related regulatory requirements and safeguards;
- c) Provide a vehicle/forum that enables the sharing of public concerns and proponent responses;
- d) Offer recommendations to both municipal councils, planning districts and proponents; and
- e) Represents the fulfillment of the TRC's role as per 116(1)(b)(i) of *The Planning Act* – to determine, based on available information, that the proposed operation will not create a risk to health, safety or the environment, or that any risk can be minimized through the use of appropriate practices, measure and safeguards.

Should the municipal council provide conditional approval of the proposal, the project proponent may be required to obtain various permits and licenses from the province to address in greater detail environmental aspects of the proposal. As of November 1, 2019, a proponent may appeal a municipal council's rejection of their application or appeal a condition imposed related to municipal council's approval. Appeals are made to the Municipal Board.

Livestock Technical Review Process (November 1, 2019)



B. DESCRIPTION OF PROPOSED LIVESTOCK OPERATION

Further information can be found at https://www.gov.mb.ca/mr/livestock/public_registries.html

Applicant: Millenni Egg Farm (2010) Inc.

Site Location: W1/2 SW 31-07-05 EPM (Willow Ridge site). Refer to map below.

Proposal: To convert and expand its operation of 166,000 pullets (548 Animal Units) to consist of 45,000 pullets and 135,000 layers for a total of 1,269 animal units.

This will involve the following:

- Demolishing existing barn and replacing it with four new barns, each approximately 27,200 sq. ft.
- Decommissioning existing liquid manure storage and constructing new solid manure storages
- Consuming a maximum of 10,148 imperial gallons of water per day from an existing well.
- Composting mortalities in solid manure storages
- Truck haul routes as shown in map below

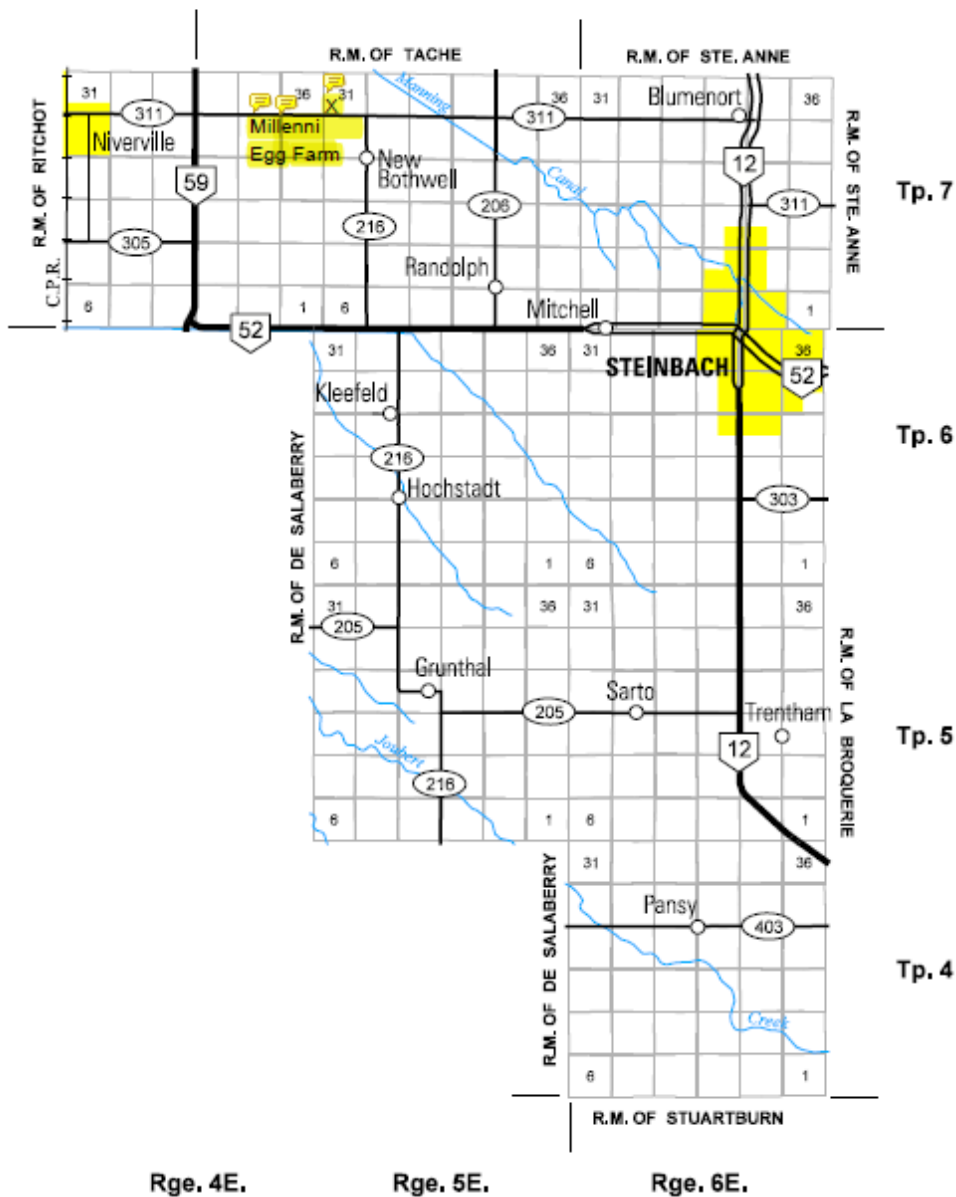


R.M. OF HANOVER

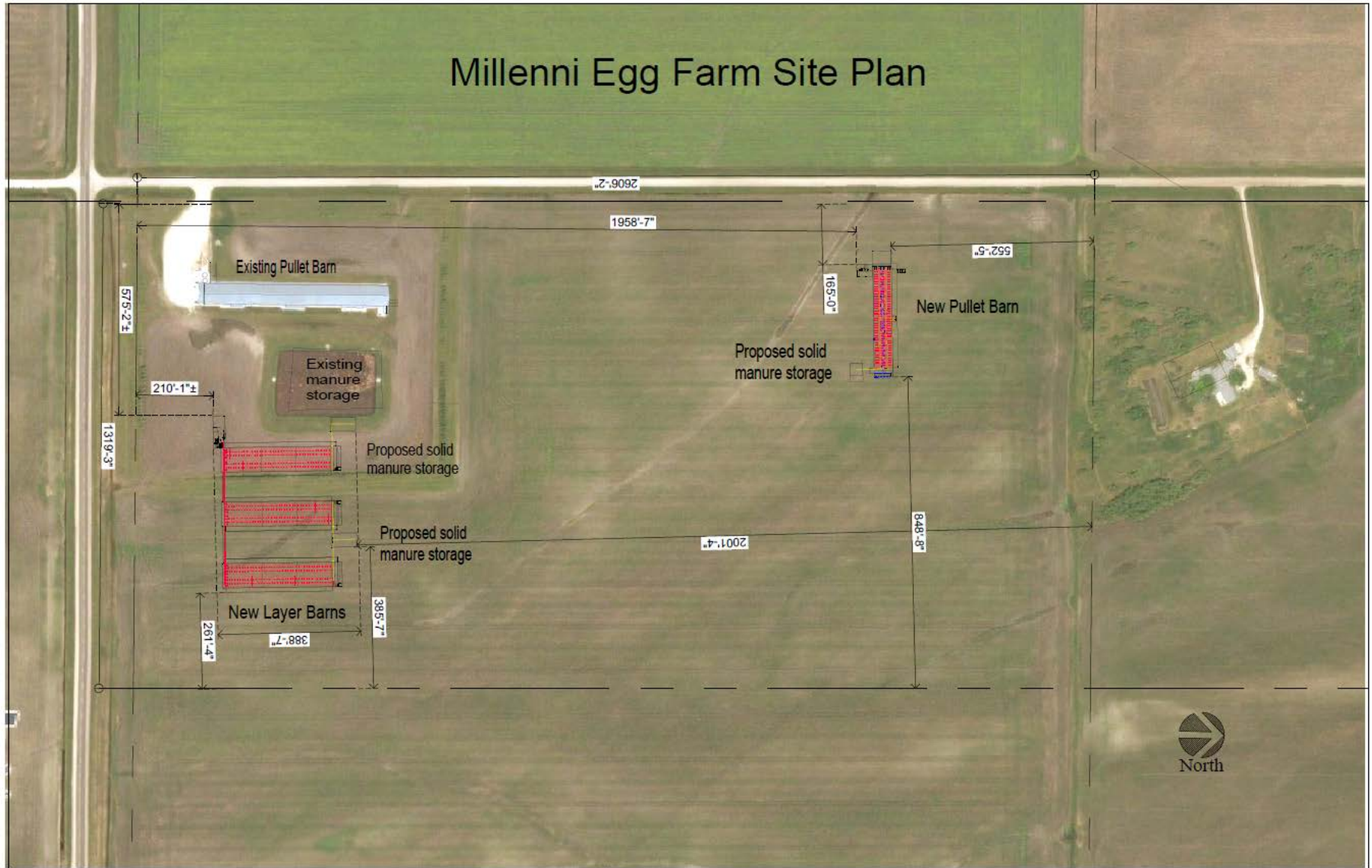
PROVINCE OF MANITOBA
 INFRASTRUCTURE
 HIGHWAY PLANNING AND DESIGN BRANCH
 GEOGRAPHIC & RECORDS MANAGEMENT SECTION
 WINNIPEG
 JANUARY 2015

LEGEND

- PROVINCIAL TRUNK HIGHWAYS
- PROVINCIAL ROADS
- ACCESS ROADS
- RAILWAYS



Millenni Egg Farm Site Plan





Millenni Egg Farm Truck Route

C. SITE ASSESSMENT OVERVIEW

Provincial Technical Overview of TRC 12-070 – Millenni Egg Farm (2010) Inc. Ltd.				
Item No.	Provincial Requirements	Confirmed	Related Provincial Safeguards	Dept.
1	Submitted complete site assessment	X	Technical Review Committee Regulation 119/2011 requires an applicant to submit a completed site assessment.	MR
2	Clearly identified the current and proposed type and number of animals and animal units	X	Millenni Egg Farm is seeking Conditional Use approval to operate 45,000 pullet and 135,000 layer operation, which is equivalent to 1,269 animal units (AU).	ARD ¹
3	Project clearly defined as an animal confinement facility	X	The site assessment indicates that the proposed operation will establish four new barns. All of the proposed barns are in excess of 6,458 sq. ft. (600 sq.m) and will therefore require a building permit from the Office of the Fire Commissioner under <i>The Building and Mobile Home Act</i> and the Manitoba Building Code.	MR
4	Identified all existing and proposed buildings and structures and related separation distances	X	The distance between the designated area of New Bothwell and the nearest layer barn on the south-eastern portion of the lot is approximately 3,500 ft. The minimum separation distance required between an animal confinement facility and a designated area for a 801 – 1,600AU operation is 5,249 ft. The RM of Hanover should confirm this distance and require a variance to vary this minimum separation distance.	MR
5	Demonstrated project site is not located within Nutrient Management Zone N4 or any Nutrient Buffer Zone	X	According to soil survey, Millenni Egg Farm is located on Class 2, prime agricultural land. The project site is not located within Nutrient Management Zone N4 or any Nutrient Buffer Zone.	ARD ²
6	Identified suitable water source: <u>Existing well</u> and a water consumption rate of <u>10,148</u> imperial gallons per day	X	All operations using more than 25,000 litres (5,499 imp gal) per day must maintain a Water Rights Licence under The Water Rights Act, Water Rights Regulation (M.R. 126/87). Based on our understanding of the proposed project, a Water Rights Licence will be required. The applicant will need to submit an Application to Construct a Well and Divert Groundwater.	CC

¹ Agri-Resource Branch

² Agri-Resource Branch, Water Science and Watershed Management Branch

Provincial Technical Overview of TRC 12-070 – Millenni Egg Farm (2010) Inc. Ltd.

Item No.	Provincial Requirements	Confirmed	Related Provincial Safeguards	Dept.
7	Proposed project site meets development plan, zoning by-law	X	<p><i>The Planning Act</i> requires that development plans must include a livestock operation policy that guides zoning by-laws dealing with livestock operations.</p> <p><i>The Planning Act</i> requires municipalities to issue development permits for any development on a site. All development must comply with the Zoning By-law and Development Plan. Any proposed development that does not meet the separation distances or setbacks requires Council approval and a public process to vary those requirements.</p> <p>Designation The proposed livestock operation, located in the W½ of SW 31-7-5 EPM in the RM of Hanover, is designated Agriculture 1 Policy Area (RM of Hanover Development Plan By-law No. 2417-18) and the proposal complies with Livestock Policies 3.1.5.5 and 3.1.5.9.</p> <p>Note: Development Plan Amendment By-law No. 2417-18 was approved on March 13, 2019 to allow existing operations to expand beyond 400 AU within the Agricultural 1 Policy Area as a Conditional Use.</p> <p>Zoning The proposed site is zoned “AG” Agriculture General Zone (RM of Hanover Zoning By-law No.2418-18). <i>Livestock production operations producing more than 400 AU – expansion of existing operations</i> has a minimum site area requirement of 80 acres with a minimum site width requirement of 600 feet.</p> <p>The proposed project complies with the zoning site requirements.</p> <p>Note: Zoning By-law No. 2418-18 was approved on March 13, 2019 to allow existing operations with more than 400 AU to expand as a Conditional Use in the “AG” Agriculture General zone.</p>	MR
8	Identified any unsealed abandoned wells on the project site or spread fields	X	<p>The site assessment identifies that the water use for the proposed livestock operation is from the existing well located on the SW 31-7-5E. The provincial water well database contains the information on the well associated with this operation. If there are unused water wells on the site or spread fields these shall be properly sealed. A sealed well report must be filed with the Groundwater Management Section of Agriculture and Resource Development for each well sealed. Information on well sealing and well sealing reports are available from Agriculture and Resource Development (204-945-6959) or: https://www.gov.mb.ca/sd/water/groundwater/wells_groundwater/index.html. All but the most basic wells should be sealed by a well drilling professional. A list of currently licensed well drilling professionals can also be accessed from the above web page.</p>	ARD ³

³ Water Science and Watershed Management Branch

Provincial Technical Overview of TRC 12-070 – Millenni Egg Farm (2010) Inc. Ltd.

Item No.	Provincial Requirements	Confirmed	Related Provincial Safeguards	Dept.
9	Identified suitable manure storage methods	X	A permit to construct the proposed manure storage facility must be obtained, prior to initiating any of the construction work, in accordance with the Livestock Manure and Mortalities Management Regulation. An application for a permit to construct the manure storage must be submitted to Environmental Approval Branch of Conservation and Climate (EABDirector@gov.mb.ca). Design guidelines and application forms are available at: https://www.gov.mb.ca/sd/waste_management/livestock_program/index.html .	CC
10	Identified acceptable manure application methods	X	The proponent must submit and adhere to a manure management plan approved for the facility per the Livestock Manure and Mortalities Management Regulation (MR 42/98).	CC
11	Mortalities disposal methods identified	X	The proponent has indicated that mortalities will be dealt with by composting. This is an acceptable disposal method under the Livestock Manure and Mortalities Management Regulation (MR 42/98). More specific information is included in the Livestock Manure and Mortalities Management Regulation and at: https://www.gov.mb.ca/sd/waste_management/livestock_program/index.html .	CC
12	Proposed suitable setback distances from water and property lines for manure, livestock and mortalities	X	The proponent indicates that setback distances meet minimum requirements set out in the Livestock Manure and Mortalities Management Regulation MR 42/98.	CC
13	Indicated if proposed project site is within designated flood area or is otherwise at risk of flooding	X	This site is not within a Designated Flood Area. There is no known risk of major overland flooding at this location.	MI

Provincial Technical Overview of TRC 12-070 – Millenni Egg Farm (2010) Inc. Ltd.

Item No.	Provincial Requirements	Confirmed	Related Provincial Safeguards	Dept.
14	Proposed acceptable odour control measures	X	The proponent has indicated that existing shelterbelts will be used. Should odour become a problem for neighbouring residents, there is a complaints process under <i>The Farm Practices Protection Act</i> . A person who is disturbed by any odour, noise, dust, smoke or other disturbance resulting from an agricultural operation may make a complaint, in writing, to the Manitoba Farm Industry Board. The Act is intended to provide for a quicker, less expensive and more effective way than lawsuits to resolve nuisance complaints about farm practices. It may create an understanding of the nature and circumstances of an agricultural operation, as well as bring about changes to the mutual benefit of all concerned, without the confrontation and the expense of the courts.	ARD⁴
		X	The Planning Act allows municipal councils to require a manure storage cover and the planting of a shelter belt as a condition of approval.	MR
15	Proposed sufficient and suitable land for manure spreading with minimum setbacks from water sources	X	The required land base for Millenni Egg Farm is 1,529 acres. Millenni Egg Farm has satisfied the land requirement by demonstrating that they have access to 1,676 suitable acres. A detailed description of the land assessment can be found in the Appendix 1.	ARD⁵
		X	During manure spreading, setback distances to all surface and groundwater features (including wells on adjacent properties) as prescribed under the Livestock Manure and Mortalities Management Regulation should be considered as a minimum distance.	CC
16	Indicated if spread fields are located in the Red River Valley Special Management Area or any other regularly inundated area	X	Per Section 14.2(1) of the Livestock Manure and Mortalities Management Regulation, the proposed spread fields are located within the Red River Valley Special Management Area and as such fall manure applications (September 10 – November 10) to tilled land must be injected or incorporated within 48 hours.	CC

⁴ Agri-Resource Branch

⁵ Agri-Resource Branch

Provincial Technical Overview of TRC 12-070 – Millenni Egg Farm (2010) Inc. Ltd.

Item No.	Provincial Requirements	Confirmed	Related Provincial Safeguards	Dept.
17	Proposed spread fields that meet development plan and zoning by-law requirements	X	<p>The proposed spreadfield in the RM of Hanover is located on lands designated Agriculture 1 Policy Area. As such, they meet the intent of the RM of Hanover Development Plan By-Law No. 2417-18. The spreadfield is zoned “AG” Agriculture General Zone, and complies with the RM of Hanover Zoning By-Law No. 2418-18.</p> <p>The proposed spreadfields in the RM of Taché are located on lands designated Agriculture. As such, they meet the intent of the RM of Taché Development Plan By-Law No. 5-2016. The spreadfields are zoned Agriculture General Zone, and they comply with the RM of Taché Zoning By-Law No. 10-2017.</p> <p>The proposed spreadfield in the RM of Ste. Anne is located on lands designated Rural Agricultural Area. As such, it meets the intent of the RM of Ste. Anne Development Plan By-Law No. 13-2007. The spreadfield is zoned A, Agriculture, and complies with the RM of Ste. Anne Zoning By-Law No. 10-2010.</p> <p>The proposed spreadfield in the RM of De Salaberry is located on lands designated General Agriculture. As such, it meets the intent of the RM of De Salaberry Development Plan By-Law No. 2362-18. The spreadfield is zoned AG – Agriculture General, and complies with the RM of De Salaberry Zoning By-Law No. 2369-18.</p>	MR
18	Proposed acceptable manure transportation methods	X	The transport of livestock manure is subject to Section 9 of the Livestock Manure and Mortalities Management Regulation. The proponent has indicated a solid spreader as means of manure transportation. This is considered acceptable under the Livestock Manure and Mortalities Management Regulation.	CC

Provincial Technical Overview of TRC 12-070 – Millenni Egg Farm (2010) Inc. Ltd.

Item No.	Provincial Requirements	Confirmed	Related Provincial Safeguards	Dept.
			<p>Please be advised that any structures placed within the controlled area of PR 216 and PR 311 (125 feet from the edge of the right-of-way) requires a permit from our office. The contact is Sheena del Rosario at (204) 945-3457 or Sheena.DelRosario@gov.mb.ca. The placements of temporary drag lines or any other temporary machinery/equipment for manure application within the right-of-way of PR 216 and PR 311 requires permission from our regional office in Steinbach. Please contact the Acting Regional Planning Technologist (Robert Fender) at (204) 371-6858 or Robert.Fender@gov.mb.ca. In addition, please notify the Acting Regional Planning Technologist for the placement of temporary draglines or other temporary equipment for manure application within the controlled area of PR 216 and PR 311 (125 feet from the edge of the right-of-way).</p> <p>Manning Canal is a designated Provincial Waterway. Provincial Waterways are subject to section 14(4) of the Water Resources Administration Act which states:</p> <p style="text-align: center;"><i>“No person shall place any material on, remove any material from, or construct, carry out, reconstruct, establish, or place, any works or structures on, over, or across, a provincial waterway, except as may be authorized in writing by the minister and subject to such terms and conditions as the minister may prescribe.”</i></p> <p>Provincial Waterway Authorization must be obtained by Water Management and Structures prior to the commencement of any construction or activity along a Provincial Waterway. Please contact MI – WMPS at MITWaterReview@gov.mb.ca if any manure transportation hoses will go over Manning Canal.</p>	MI
19	Identified suitable trucking routes and access points	X	The subject land has frontage along PR 311 and Willow Ridge Road with an existing access onto Willow Ridge Road. We do not anticipate a significant increase in use with this municipal road connection onto PR 311. We have no concerns.	MI
20	Identified proposed trucking routes – local roads	X	<p>While the site has frontage onto PR 311, it gains access off of Willow Ridge Road.</p> <p>As per Section 116(2) of <i>The Planning Act</i>, municipalities as a condition of approval may require proponent to enter into a development agreement regarding the condition and upkeep of local roads used as truck haul routes.</p>	MR

Provincial Technical Overview of TRC 12-070 – Millenni Egg Farm (2010) Inc. Ltd.

Item No.	Provincial Requirements	Confirmed	Related Provincial Safeguards	Dept.
21	Confirmed that no rare species are impacted on new sites/lands	X	The Conservation Data Centre Report indicates that no species listed under the provincial Endangered Species and Ecosystems Act, the federal Species at Risk Act, or classed as at-risk according to internationally recognized standards, have been documented in the project area.	ARD ⁶

Provincial Departments: Agriculture and Resource Development (ARD), Conservation and Climate (CC), Infrastructure (MI), Municipal Relations (MR)

⁶ Wildlife and Fisheries Branch

D. PUBLIC COMMENTS AND DISPOSITIONS

Public Comment Summary	
Peter D. and Mary Wiebe New Bothwell	<p>OBJECT Commenter raised concerns about the farm’s current manure handling practices and suggested that the operators built a lagoon without approval. A Steinbach Carillon article stated that the lagoon would be decommissioned, however the commenter has doubts given this history.</p> <p>The operation already causes a strong odour in the town of New Bothwell and operators have little or not regard for wind direction. The proposed expansion/consolidation would triple the waste units produced. As well, this company is not locally owned.</p>
Jeff Linfitt Hwy 311 Hanover, MB.	<p>CONCERNED Commenter raised two concerns. The first is about manure handling; the commenter hopes that moving to solid manure storage would reduce the smell. The second concern is about what impact this expansion would have on ground/well water nitrate levels in the area.</p>
Chris Huayta Reynaga	<p>OPPOSED Does not agree with the expansion because odours are unbearable, the municipality is growing in population and children have a right to enjoy outdoor activities.</p>
Iain Shepherd NE 25-7-4 E New Bothwell, MB.	<p>OPPOSED</p> <ol style="list-style-type: none"> 1. Water supply is a concern in the area. 2. Odour is already too strong in the area, and operators in the area don’t follow manure spreading standards. 3. Large commercial operation (no residence will be located on site) should be located further away from residential properties and towns. 4. The current shelterbelt does not suffice. 5. Commenter is concerned that property value will be negatively affected.

A full copy of the public comments as well as the proponent’s response may be viewed on the public registry at: https://www.gov.mb.ca/mr/livestock/public_registries.html

See Appendix 2 for the proponent’s response to the public comments.

E. CONCLUSIONS AND RECOMMENDATIONS

Conclusion

The information contained in the Site Assessment submitted by the proponent generally meets provincial requirements. In addition, based on available information it has been determined that the proposed operation will not create a risk to health, safety or the environment, or that any risk can be minimized through the use of appropriate practices, measures and safeguards.

Recommended Actions to Council

1. As per Section 114(1) of *The Planning Act*, at least 14 days before the date of the hearing, Council must:
 - a) send notice of the hearing to
 - i. the applicant,
 - ii. the Minister (c/o the Steinbach Community Planning Office),
 - iii. all adjacent planning districts and municipalities, and
 - iv. every owner of property located within three kilometres of the site of the proposed livestock operation, even if the property is located outside the boundaries of the planning district or municipality;and
 - b) post a copy of the notice of hearing on the affected property in accordance with Section 170 of *The Planning Act*.
2. Council should specify the type(s) of operation, legal land location, number of animals in each livestock category and total animal units in its Conditional Use Order.
3. As per Section 117 of *The Planning Act*, Council must send a copy of its Conditional Use Order to
 - a) the applicant,
 - b) the Minister (c/o the Steinbach Community Planning Office), and
 - c) every person who made representation at the hearing.
4. According to the RM of Hanover Zoning By-law No.2418-18, the required minimum separation distance between the designated area of New Bothwell and the nearest layer barn on the south-eastern portion of the lot is approximately 3,500 ft. The minimum separation distance required between an animal confinement facility and a designated area for a 801 – 1,600AU operation is 5,249 ft. As a result, Council will require the proponent to apply for a variance.
5. As per Section 169(4)(b) of *The Planning Act*, a copy of the notice of hearing to vary the separation distance involving a livestock operation must be sent to every owner of property located within the separation distance that is proposed to be varied.
6. As per Section 174(1) of *The Planning Act*, Council can hold all required hearings together in a single combined hearing. It is recommended that during the course of this public hearing, Council first deal with the conditional use order followed by the variance order.

7. As per Section 174(2) of *The Planning Act* the notice of hearing for each matter to be considered at a combined hearing may be combined into a single notice of hearing.
8. Councils are requested to include in their resolution and/or Conditional Use Order, notification that the applicant may appeal council's decision to reject the application or appeal a condition imposed by council related to its approval as per Section 118.2 of *The Planning Act*.

- As per Section 118.2(2)(b), an applicant may appeal the following decisions of a board or council to the Municipal Board:

for an application for approval of a conditional use made in respect of a large-scale livestock operation,

- (i) a decision to reject the application,
- (ii) a decision to impose conditions.

9. As per Section 118, no development or expansion of a livestock operation that is the subject of an application under this Division may take place until

- (a) the application is approved and the applicant complies, or agrees to comply, with any condition imposed on the approval under this Division; and

- (b) the applicant obtains every approval, including any permit or licence, required under an Act, regulation or by-law in respect of the proposed operation or expansion, and complies with, or agrees to comply with, any condition attached to the approval.

Council is welcome to contact Manitoba Conservation and Climate, Environmental Approvals Branch or Regional Environmental Compliance and Enforcement staff with respect to the Livestock Manure and Mortalities Management Regulation (M.R. 42/98) including compliance and enforcement issues.

Recommended Actions to Proponent

1. That a variance be applied for prior to the Conditional Use Hearing to vary the separation distance between the designated area of New Bothwell and the nearest layer barn. This will provide Council with the option of holding a combined Conditional Use and Variance Hearing.
2. That the proponent request the municipality hold a combined hearing.
3. That any additional measures identified through subsequent provincial licencing or permitting in order to minimize any identified risks to health, safety and the environment be undertaken.
4. That as per Section 118.2(2)(b), an applicant may appeal the following decisions of a board or council to the Municipal Board:
 - (i) a decision to reject the application,
 - (ii) a decision to impose any condition on the approval.

F. TECHNICAL REVIEW COMMITTEE MEMBERS

Name	Department	Title <i>Branch</i>	Contact
Don Malinowski	Municipal Relations	Senior Planner <i>Community Planning Branch</i>	204-945-8353
Petra Loro	Agriculture and Resource Development	Livestock Environment Specialist <i>Agri-Resource Branch</i>	204-918-0325
Shannon Beattie	Conservation and Climate	Policy Analyst <i>Legislation, Policy and Coordination Branch</i>	204-792-6269
Jeff DiNella	Infrastructure	Senior Development Review Technologist <i>Highway Planning and Design Branch</i>	204-945-2664

Appendix 1

Agriculture and Resource Development

Water Science and Watershed Management Branch:

Proper nutrient management applications that avoid excess loss of nutrients to surface waters are needed on lands receiving manure in southern Manitoba because long-term trend analysis of total phosphorus and total nitrogen has shown significant increases in these nutrients in the Assiniboine and Red rivers (Jones and Armstrong 2002).

Incorporation of manure at appropriate rates poses lower environmental risk than surface broadcast application. However for perennial forages like alfalfa, incorporation is only possible prior to establishment. For established forages, applications between first and second cut will generally pose the lowest risk of losses to surface water and applications to frozen or snow covered soils or just prior to freeze up in fall pose the greatest risk.

For most crops, manure contains an excess of phosphorus (P) compared to nitrogen (N) and as a result, application at N-based rates causes a buildup of soil P. Practices which reduce N losses from the manure improve the N:P ratio in the manure and help slow P buildup when manure is applied at N-based rates. The proponent plans to incorporate manure within 48 hours which will reduce environmental risk and conserve nitrogen compared to broadcast only applications. Minimizing the time between broadcast and incorporation will further reduce losses and increase the fertilizer value of the manure.

The proponent has acknowledged the setback areas for all water features have been observed and excluded from land base calculations. Setbacks should be clearly communicated to and observed by those involved in manure application to minimize the risk of nutrients entering surface and groundwater.

Manitoba has included phosphorus as a nutrient by which fertilizer application through manure, synthetic fertilizer, and municipal waste sludge to agricultural lands may be limited. To remain environmentally sustainable over a long-term planning horizon of 25 years or more, the proponent must be able to balance phosphorus inputs from applied manure and other nutrient sources such as commercial fertilizers with crop removal rates to avoid further build-up in soils. Consequently, sufficient land base must be available such that manure can be applied at no more than 1 times crop P removal rates (P balance). For long-term planning purposes, the proponent needs to have sufficient land available to ensure that manure can be applied at 1 times crop P removal. The proposed site shares a land base with an adjacent poultry barn and the proponent has calculated the land base for the combined manure production of the two operations. The proponent acknowledges that 2,950 acres may be required for the long-term environmental sustainability of the operations. The proponent has identified 1,676 acres for manure application. Application to meet crop N requirements is estimated to use 918 acres. Application based on P is estimated to use 1,529 acres (2,950 acres is estimated to achieve P balance with current crop choices and yield potential).

As phosphorus levels build up in soils, the concentration of phosphorus in runoff to surface waters increases. It is important to rotate manure application across all spread fields and whenever possible focus manure applications on fields with low Olsen-P soil test levels so as to prevent excessive P buildup when applying manure at rates above P balance (P removal by harvested crops).

Agri-Resource Branch:

Millenni Egg Farm has met the land requirements for 135,000 layers and 45,000 pullets as follows:

Approximately 7 % of the land available for manure application is in the RM of Hanover. Because Hanover has a high density of livestock, on these lands it is currently the Province of Manitoba's policy to balance crop nitrogen uptake and crop phosphorus removal with the nitrogen and phosphorus generated by the layers. The remaining 93% of the land is in the RMs of Tache and Ste Anne. For these lands, the Province of Manitoba balanced the nitrogen and phosphorus generated by the layers with crop nitrogen removal and twice crop phosphorus removal. The policy in areas of lower livestock intensity assumes that more land is available in the region to balance phosphorus with crop removal, should it be necessary in the future.

Typical, modern feeding practices for layer production were used to estimate nutrient excretion for Millenni Egg Farm. Realistic, long-term 10-year crop yields from the Manitoba Agricultural Services Corporation (MASC) for Risk Area 12 were used to estimate crop nitrogen uptake and phosphorus removal rates for the crop rotation specified in the proposal.

Land suitability is determined using soil testing for phosphorus and soil survey to establish the agriculture capability. All of the lands with soil tests were below 60 ppm Olsen P, as required to be considered suitable. Detailed soil survey is available to determine the agriculture capability of the land. The agriculture capability of the land included in the proposal is predominantly Class 2 and 3 (prime agricultural land). The limitation is predominantly wetness (W).

The required land base for both Millenni Egg Farm operations is 1,529 acres. Millenni Egg Farm has satisfied the land requirement by demonstrating that they have access to 1,676 suitable acres.

Appendix 2 Proponent Response

Millenni Egg (2010) Inc.
PO Box 43017 RPO Kildonan Place
Winnipeg MB
R2C 5G5

June 4, 2020

Technical Review Coordination Unit
Manitoba Municipal Relations

re: Millenni Egg Farm Public Comment

To whom it may concern,

We have received copies of the public comments in regard to our project. We understand these concerns as nobody wants to see development in or around the communities where they live for fear of such development impacting their lives in a negative way. On the other hand, the tax base from development adds significant value to the community. This is a delicate balance that municipalities must consider.

Keeping this in mind, I would like to very respectfully respond to these concerns and comments.

Millenni Egg (2010) Inc. purchased some of the assets of Willowridge Pullet Farm in 2017. Willowridge Pullet Farm was built in 1998 and the first chicks were housed in 1999. This farm opened originally with 759 animal units of production. The owners at the time did follow the proper environmental process and applied for a liquid manure permit. They were granted a permit for their liquid manure pit prior to commencing operations. This permit is still in place today.

Our plans for the site are as follows:

1. Build one free run pullet barn with a capacity of 148 animal units.
 - This type of housing is similar to the type of barn used in broiler production
 - Will have a separate manure storage for what will be very dry manure coming from this barn
 - We will grow pullets for the layer barns that we will build on this site
2. Build 3 free run aviary layer barns with capacity for 374 animal units each
 - Once again, similar to barns used for broiler production
 - Very dry manure
 - Will have 2 separate manure storages for the 3 barns
3. Decommission the old cage layer pullet barn and liquid manure storage system
 - We will be taking down the old pullet barn
 - We will decommission the lagoon
 - We will be following Manitoba Conservation approved steps for closing a liquid manure storage lagoon

In the end, we will eventually have 1270 animal units. The manure will be 75% dry matter so actually pretty dusty and very little smell to it.

The project was originally approved in 1998 with 759 animal units of production. We are asking to increase this to 1,270, an increase of 511 units or about 67%.

Regarding water consumption, it is true that the layers and pullets will consume approximately 135% more water than the current operation. Although this has no bearing on the technical review of the merits of this project, we believe it is worth noting that the overall water consumption of our two farms (New Bothwell and Dufrost) will drop by approximately 2,000,000 litres per year following completion of this project.

Agra Gold manages our nutrient management program for the farm. Working with local farmers, we have signed agreements for the requisite number of spread acres per Manitoba Conservation guidelines. All of the requisite soil tests along with all other best practices for manure management will be performed on an annual basis.

Having read the comments from the public regarding manure spreading, there are 2 parcels of land that are right beside New Bothwell. We have re evaluated using those two parcels for our spread acres and have secured land elsewhere to avoid the very unlikely event of an issue with chicken manure odour affecting the town.

As for the fact that we do not live in the community of New Bothwell, we will leave that one alone. I would hope that we will be judged for our actions, not where we live. We are multi generational egg farmers with many years of experience in managing modern egg production facilities. Our families have farms in many communities. We are looked upon as a good neighbour in each and every one of these communities.

If any further information is required, please feel free to contact us at your convenience.

Yours truly

Millenni Egg (2010) Inc.

Luc Morin
President

John McFall
Vice President

cc. Norm Braun – Penfor Construction