



July 14, 2008

Project No: WE 05 046 WE

**Ms. Tracey Braun, Director**  
Environmental Assessment and Licensing Branch  
MANITOBA CONSERVATION  
Suite 160, 123 Main Street  
Winnipeg, MB, R3C 1A5



Dear Ms. Braun

**RE: COUNTRY MEAT AND SAUSAGE ENVIRONMENT ACT PROPOSAL  
NOTICE OF ALTERATION**

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An Environment Act Proposal (EAP) for the continuing operation of Country Meat and Sausage, an existing abattoir and meat processing facility, was submitted on July 17, 2007. Delays and ongoing discussion have resulted in the need for clarification of previous information and the need for updating the EAP with new information. Manitoba Conservation requested that this information be brought forth in a notice of alteration letter.

Septic Tank Solids

As stated in Section 3.1 of the EAP, the solids portion of the tanks is and will continue to be hauled by septic truck to the Blumenort wastewater treatment lagoon, operating under licence No. 2550. Various alternate sites and facilities were proposed to receive the solids portion of the wastewater, however, discussions have concluded that the Blumenort lagoon will receive this waste material.

Canadian Food Inspection Agency (CFIA)

Through the regulation of the CFIA, the wastewater streams from the kill floor area of Country Meat and Sausage are now equipped with permanently installed 4 mm screens. Therefore, solids to the septic tanks should be reduced significantly, resulting in an improved liquid effluent. Solids are expected to be hauled to the Blumenort lagoon quarterly or less often, depending on actual build up experienced.

Composite Sampler

The EAP stated that the sampling station and sampling equipment will be located on the sewer line before it connects to the septic tank, as referenced from the draft Industrial Services Agreement. Due to the concerns expressed from several parties, a revised location was proposed. The location of the composite sampler will now be installed to sample the effluent from the second septic tank. This sampling location is most representative of the wastewater to be pumped into the Blumenort sewer system.

Please contact the undersigned for clarification or any questions regarding the above information, otherwise, please accept this letter as a Notice of Alteration for Country Meat and Sausage EAP.

Kind regards,

GENIVAR



Jason Bunn, E.I.T.  
Environmental Project Engineer

cc: Robert Jowett – Country Meat and Sausage  
Clem Moche – Manitoba Conservation

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**ENVIRONMENT ACT PROPOSAL  
CONTINUING OPERATION OF  
COUNTRY MEAT AND SAUSAGE  
ABATTOIR AND MEAT PROCESSING PLANT**

---

**Prepared for:**

**Country Meat and Sausage  
Blumenort, Manitoba**

**Project No: WE 05 046 00 WE**

**July 2007**



**600 – 5 DONALD STREET  
WINNIPEG, MB R3L 2T4  
Phone: (204) 477-6650 ~ Fax: (204) 474-2864**

**[www.genivar.com](http://www.genivar.com)**

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## TABLE OF CONTENTS

<b>0.0</b>	<b>EXECUTIVE SUMMARY .....</b>	<b>i</b>
<b>1.0</b>	<b>DEVELOPMENT INFORMATION .....</b>	<b>1</b>
<b>2.0</b>	<b>DESCRIPTION OF DEVELOPMENT .....</b>	<b>2</b>
2.1	CERTIFICATE OF TITLE.....	2
2.2	NAME OF OWNER .....	2
2.3	MINERAL RIGHTS .....	3
2.4	LAND USE DESIGNATION.....	3
2.5	DESCRIPTION OF EXISTING LAND USE .....	3
2.6	PREVIOUS STUDIES .....	3
<b>3.0</b>	<b>EXISTING FACILITY .....</b>	<b>4</b>
3.1	DESCRIPTION .....	4
3.2	CAPACITY AND WASTEWATER LIMITS .....	5
<b>4.0</b>	<b>ENVIRONMENTAL IMPACTS .....</b>	<b>6</b>
4.1	ODOUR CONSIDERATIONS.....	6
4.2	LAND IMPACT.....	6
4.3	SURFACE WATER.....	6
4.4	GROUNDWATER .....	6
4.5	SPECIES IMPACT .....	7
4.6	FISHERIES.....	7
4.7	FORESTRY.....	7
4.8	HERITAGE RESOURCES .....	7
4.9	SOCIO-ECONOMIC IMPACTS .....	7
4.10	PUBLIC INVOLVEMENT.....	7
<b>5.0</b>	<b>MANAGEMENT PRACTICE.....</b>	<b>8</b>
5.1	RECORD KEEPING .....	8
<b>6.0</b>	<b>SCHEDULE .....</b>	<b>10</b>
<b>7.0</b>	<b>FUNDING .....</b>	<b>11</b>

### APPENDICES

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- Appendix A:** Status of Titles
- Appendix B:** Order No. ER-07-002
- Appendix C:** Well log

## **0.0 EXECUTIVE SUMMARY**

Leading up to the Environment Act Proposal (EAP), GENIVAR was retained by Country Meat and Sausage (CMS) to assist in the efforts to discharge the existing lagoon and design the low-pressure sewer connection to the Blumenort sewer system.

As part of the proposed connection to the sewer system, an Industrial Services Agreement (ISA), which is currently in draft, was drawn up between the R.M. of Hanover and CMS.

On May 8, 2007 CMS received an Order (No. ER-07-002) from Manitoba Conservation with directives requiring immediate compliance. One directive outlines the need for submission of an Environment Act Proposal (EAP) for the continuing operation of the CMS plant.

This Environment Act Proposal falls under the category of Class 1 developments.

No construction is proposed as a result of this EAP. The proposed sewer connection and the ordered lagoon decommissioning are outside of the scope of this EAP and will be dealt with separately.

**1.0 DEVELOPMENT INFORMATION**

**Country Meat and Sausage**

Name of development

**Country Meat and Sausage (4279485 Manitoba Ltd. and 4279493 Manitoba Ltd.)**

Legal name of the proponent of the development

**79 Penner Drive, Blumenort, MB, R.M. of Hanover**

Location of development

Contact Person for Proponent:

**Mr. Robert Jowett**

P.O. Box 250  
79 Penner Drive  
Blumenort, Manitoba R0A 0C0

Contact Person for Environmental Assessment:

**Mr. Jason Bunn, E.I.T.**

GENIVAR  
600 – 5 Donald Street  
Winnipeg, Manitoba R3L 2T4

Proposal Contents:

Section of Environmental Act Proposal Form		Section Number in Report
DESCRIPTION OF DEVELOPMENT:		
(i)	Legal description and map of development	2.1
(ii)	Mineral rights	2.3
(iii)	Existing land use	2.5
(iv)	Land use designation	2.4
(v)	Previous studies	2.6
(vi)	Proposed development	n/a
(vii)	Storage of gasoline or associated products	4.3.1
(viii)	Potential impacts	4.0
(ix)	Proposed environmental management	5.0
SCHEDULE:		6.0
FUNDING:		7.0





### **2.3 MINERAL RIGHTS**

The mineral rights for the development area are vested with the Crown.

### **2.4 LAND USE DESIGNATION**

The Land Use Branch of Manitoba Agriculture, Food and Rural Initiatives reported that the land use designation of the property is "Industrial Area" and is zoned "M" Industrial. Land use surrounding the facility is limited to agriculture on the north, south and east sides and the west side is commercial and residential.

### **2.5 DESCRIPTION OF EXISTING LAND USE**

The site contains the facility buildings and a recently non-operative single cell earthen lagoon.

### **2.6 PREVIOUS STUDIES**

There are no known previous studies.

### **3.0 EXISTING FACILITY**

#### **3.1 DESCRIPTION**

The existing plant, constructed in the late 1960s and rebuilt after a fire in 1985, includes multiple connected buildings and is located at 79 Penner Drive in SW 35-7-6 EPM. Country Meat and Sausage operates both as an abattoir and meat processing facility, producing a final saleable product. The collective buildings function as a receiving and holding area for the live cattle and hogs, killing floor, meat processing area, office and sales area. Currently, CMS employs 24 people and generally the hours of operation are 6 a.m. to 5 p.m., Monday to Friday.

The operation of the plant produces several waste streams with various destinations. The blood is collected in a blood pit and along with the offal and bones, hauled by National Containers and Recycling Co. to the Brady Road Landfill in Winnipeg. National Containers and Recycling Co. also hauls any dead animals to the Brady Road Landfill. Animal hides are collected by Bar-Ana-Hides in Beausejour, MB. The manure (and straw) is stored on a concrete pad and when necessary CMS hires a contractor to spread the manure on fields. The process wastewater and the domestic wastewater is collected in a dual septic tank system. The solids portion of the tanks is hauled by septic truck to the Blumenort wastewater treatment lagoon, operating under licence No. 2550. Up until a recent Manitoba Conservation imposed Order (No. ER-07-002), the liquid waste from the last tank was pumped into a single cell earthen lagoon, located east of the facility buildings. The Order is included in Appendix B. Since its construction, this lagoon has operated outside of the licensing process. With the institution of the new Order, all wastewater generated from facility must now be directed to a licensed wastewater treatment system. As a temporary solution to the Order, the liquid wastewater from the septic tanks will be hauled to the Blumenort lagoon until the proposed construction occurs. Country Meat and Sausage has received approval to connect to the Blumenort sewer system, which is serviced by the Blumenort lagoon. Once the connection is operational, all by-products and wastewater streams generated by the abattoir and meat processing facility will be sustainably directed to licensed facilities with the capacities to receive such.

### 3.2 CAPACITY AND WASTEWATER LIMITS

Country Meat and Sausage is currently operating at approximately 20 cattle (1 bovine equivalent) and 85 hogs (0.25 bovine equivalents) per day for a total of approximately 41 bovine equivalents per day. Bovine equivalents, as presented, are based only on processing time.

The processing capabilities and wastewater limits of the facility are restricted by the Industrial Services Agreement (in draft) made between the R.M. of Hanover and Country Meat and Sausage. Table 3-1 details these limits.

Table 3-1: Processing capabilities and wastewater limits for Country Meat and Sausage

Parameter	Units	Limit
Bovine equivalents	animals/d	120
BOD <sub>5</sub>	kg/d	165
Hydraulic loading	m <sup>3</sup> /y	13,200
Residue - filterable	kg/d	475
Ammonia	kg/d N	6
Phosphorous	kg/d P	6.5
Total Kjeldahl Nitrogen	kg/d N	13.5
pH	pH units	6.5-10

These limits have been determined by the Engineering consultant responsible for the design of the Blumenort facility, and the R.M. of Hanover.

Since the single cell lagoon is to be decommissioned, no discussion of its capacity is necessary.

## **4.0 ENVIRONMENTAL IMPACTS**

### **4.1 ODOUR CONSIDERATIONS**

Country Meat and Sausage will continue to operate without causing any significant odour problems. To date the owner has received no complaints from the surrounding area.

The closest residence to the plant is located approximately 140 metres away.

### **4.2 LAND IMPACT**

All waste by-products and wastewater streams generated by the plant are directed to licensed/approved locations. The existing lagoon no longer services the liquid wastewater from the plant and will be decommissioned. Therefore, continued operation of the facility should result in negligible impact to the land.

### **4.3 SURFACE WATER**

No direct surface water discharge occurs from the plant operation.

#### **4.3.1 Fuel Storage On Site**

The proposed facility does not require the onsite storage of gasoline or diesel fuel.

### **4.4 GROUNDWATER**

Generally, all wells within the 35-7-6 EPM receive water from below 22 metres, with the exception of one well in NW 35-7-6 EPM with a water source at 12.5 metres. Continuing operation of the facility should have no deleterious effects on the groundwater in the area. Appendix C contains the sole well log for SW 35-7-6 EPM, which is the quarter section where Country Meat and Sausage is located.

All groundwater issues regarding the existing lagoon will be addressed during the decommissioning approvals.

#### **4.5 SPECIES IMPACT**

No construction is proposed as part of this EAP and therefore no habitat disturbance is expected.

#### **4.6 FISHERIES**

No direct watercourse discharge occurs from the plant operation.

#### **4.7 FORESTRY**

There is no known forestry activity in the area.

#### **4.8 HERITAGE RESOURCES**

The Historic Resources Branch was not consulted due to the fact that no construction is being proposed as a part of this EAP and all buildings and land are presently being used for their intended purposes.

#### **4.9 SOCIO-ECONOMIC IMPACTS**

Since the direct environmental impacts from the continued plant operation are generally negligible, no socio-economic implications are expected.

#### **4.10 PUBLIC INVOLVEMENT**

Comments from concerned members of the public will be solicited as part of Manitoba Conservation's review prior to issuing a licence.

## 5.0 MANAGEMENT PRACTICE

As mentioned, all waste streams (animal by-products, domestic wastewater and process wastewater) are directed to licensed/approved locations. The blood, offal, bones and any dead animals are hauled to Brady Road Landfill and the animal hides are collected for further processing. The manure is spread on fields by a contractor as required. The domestic and process wastewater collects in a dual septic tank system and the solids portion is hauled to the Blumenort lagoon and the liquids are to be pumped into the Blumenort sewer system, which also is serviced by the Blumenort lagoon.

An Industrial Services Agreement between the municipality and Country Meat and Sausage exists in draft form and will be instituted in the near future, once all approvals are in place. As part of the agreement, Country Meat and Sausage will maintain in the plant, a flow meter on the incoming water line and a sampling station and sampling equipment on the sewer line before it connects to the septic tank.

The ISA also speaks to the sampling, testing and pre-treatment limits required on the wastewater streams entering the Blumenort sewer system.

## 5.1 RECORD KEEPING

A record book, organized in three sections, should be maintained:

- 1) Daily Records – Water records for the flow meter should be collected and retained for future estimation of water/wastewater usage by the plant. Additionally, records of the number of each type of animal processed should be maintained.
- 2) Sampling Records – The records should contain all sampling dates, results, status of plant operation and other pertinent data.

- 3) Service Records – All servicing of the flow meter and sampling equipment and any other equipment pertinent to their operation should be done according to the manufacturer's instructions and recorded.

## **6.0 SCHEDULE**

Country Meat and Sausage is an existing facility and is therefore already in operation, no new scheduling is planned as a part of this EAP.



**7.0 FUNDING**

No funding was applicable in this EAP application.

Submitted by:  
GENIVAR

**Prepared by:** Jason Bunn, E.I.T.  
Project Engineer

**Reviewed by:** Ross Webster, P.Eng.  
Manager, Environmental Group



**APPENDIX A**

---

**Status of Titles**

DATE: 2007/06/26  
TIME: 11:40

**MANITOBA**  
**STATUS OF TITLE**

TITLE NO: 1758723  
PAGE: 1

STATUS OF TITLE..... ACCEPTED  
ORIGINATING OFFICE..... WINNIPEG  
REGISTERING OFFICE..... WINNIPEG  
REGISTRATION DATE..... 2000/11/07  
COMPLETION DATE..... 2000/11/09  
PRODUCED FOR.. X  
ADDRESS.....  
PRODUCED BY... J.HUMENY

LEGAL DESCRIPTION:

4279493 MANITOBA LTD.

IS REGISTERED OWNER SUBJECT TO SUCH ENTRIES RECORDED HEREON IN THE FOLLOWING DESCRIBED LAND:

SP LOT 3 BLOCK 1 PLAN 17467 WLTO  
IN S 1/2 35-7-6 EPM

ACTIVE TITLE CHARGES:

257086 WPG ACCEPTED FROM/BY: TO: CONSIDERATION:	OLD SYSTEM AGREEMENT KLASS K. PENNER INTER-CITY GAS LTD.	REG'D: 1957/12/02  NOTES:
259176 WPG ACCEPTED DESCRIPTION: FROM/BY: TO: CONSIDERATION:	OLD SYSTEM AGREEMENT RIGHT OF WAY AGREEMENT KLASS K. PENNER INTER-CITY GAS LTD.	REG'D: 1959/02/20  NOTES:
3266526 WPG ACCEPTED FROM/BY: TO: CONSIDERATION:	MORTGAGE 4279493 MANITOBA LTD. BANK OF MONTREAL \$325,000.00	REG'D: 2006/03/21  NOTES:

ACCEPTED THIS 7TH DAY OF NOVEMBER, 2000  
BY D.MOONEY FOR THE DISTRICT REGISTRAR OF  
THE LAND TITLES DISTRICT OF WINNIPEG.

UNCERTIFIED EXTRACT PRODUCED FROM THE LAND TITLES DATA  
STORAGE SYSTEM ON 2007/06/26 OF TITLE NUMBER 1758723.

DATE: 2007/06/26  
TIME: 11:40

MANITOBA  
STATUS OF TITLE

TITLE NO: 1758727

PAGE: 1

STATUS OF TITLE..... ACCEPTED                    PRODUCED FOR.. X  
ORIGINATING OFFICE..... WINNIPEG                    ADDRESS.....  
REGISTERING OFFICE..... WINNIPEG  
REGISTRATION DATE..... 2000/11/07  
COMPLETION DATE..... 2000/11/09                    PRODUCED BY... J.HUMENY

LEGAL DESCRIPTION:

4279493 MANITOBA LTD.

IS REGISTERED OWNER SUBJECT TO SUCH ENTRIES RECORDED HEREON  
IN THE FOLLOWING DESCRIBED LAND:

SP LOT 4 BLOCK 1 PLAN 17467 WLTO  
IN S 1/2 35-7-6 EPM

ACTIVE TITLE CHARGES:

257085 WPG ACCEPTED DESCRIPTION: FROM/BY: TO: CONSIDERATION:	OLD SYSTEM AGREEMENT RIGHT OF WAY AGREEMENT ABRAHAM REIMER INTER-CITY GAS LTD.	REG'D: 1957/12/02	NOTES: AFF: PART
257086 WPG ACCEPTED FROM/BY: TO: CONSIDERATION:	OLD SYSTEM AGREEMENT KLASS K. PENNER INTER-CITY GAS LTD.	REG'D: 1957/12/02	NOTES: AFF: PART
259176 WPG ACCEPTED DESCRIPTION: FROM/BY: TO: CONSIDERATION:	OLD SYSTEM AGREEMENT RIGHT OF WAY AGREEMENT KLASS K. PENNER INTER-CITY GAS LTD.	REG'D: 1959/02/20	NOTES: AFF: PART
177575 WPG ACCEPTED FROM/BY: TO: CONSIDERATION:	CAVEAT INTER-CITY GAS LTD.	REG'D: 1960/06/20	NOTES: AFF: PART
178729 WPG ACCEPTED FROM/BY: TO: CONSIDERATION:	CAVEAT INTER-CITY GAS LTD.	REG'D: 1960/06/20	NOTES: AFF: PART
3266526 WPG ACCEPTED FROM/BY: TO: CONSIDERATION:	MORTGAGE 4279493 MANITOBA LTD. BANK OF MONTREAL \$325,000.00	REG'D: 2006/03/21	NOTES:

UNCERTIFIED EXTRACT PRODUCED FROM THE LAND TITLES DATA  
STORAGE SYSTEM ON 2007/06/26 OF TITLE NUMBER 1758727

\*\*\*\*\* STATUS OF TITLE 1758727 WPG CONTINUED ON NEXT PAGE \*\*\*\*\*

DATE: 2007/06/26  
TIME: 11:40

MANITOBA  
STATUS OF TITLE

TITLE NO: 1758727

PAGE: 2

STATUS OF TITLE.....	ACCEPTED	PRODUCED FOR.. X
ORIGINATING OFFICE.....	WINNIPEG	ADDRESS.....
REGISTERING OFFICE.....	WINNIPEG	
REGISTRATION DATE.....	2000/11/07	
COMPLETION DATE.....	2000/11/09	PRODUCED BY... J.HUMENY

ACCEPTED THIS 7TH DAY OF NOVEMBER, 2000  
BY D.MOONEY FOR THE DISTRICT REGISTRAR OF  
THE LAND TITLES DISTRICT OF WINNIPEG.

UNCERTIFIED EXTRACT PRODUCED FROM THE LAND TITLES DATA  
STORAGE SYSTEM ON 2007/06/26 OF TITLE NUMBER 1758727.

\*\*\*\*\* END OF STATUS OF TITLE FOR TITLE 1758727 WPG \*\*\*\*\*

**APPENDIX B**

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**Order No. ER-07-002**

Order No. / N° de l'ordre ER-07-002

PURSUANT TO SECTION 24(4) OF THE SAID ACT, I HEREBY ORDER 4279485

Manitoba

Ltd. operating as Country Meat and Sausage, to do the following:

1. Effective immediately all wastewater generated from the subject site and by the facility shall be directed to a Licenced wastewater treatment system, acceptable to the Director.
2. By May 31, 2007, submit to the Director, an Industrial Use Agreement acceptable to the Director which includes but is not limited to, design plans prepared by an engineer, outlining connection of the facility wastewater discharge system to the municipal sewer collection system in Blumenort, Manitoba. The Industrial Use Agreement must be a signed agreement, with the Rural Municipality of Hanover including their engineer's specifications terms and conditions, including but not limited to specifications on volume, organic content, and analysis, to ensure no adverse impact on that facility.
3. By June 30, 2007, submit to Manitoba Conservation, Steinbach office,
  - a) a written plan detailing your emergency procedures for removing wastewater from the facility acceptable to the Director.
  - b) submit a written decommissioning proposal for the facility, prepared by an engineer, acceptable to the director
  - c) in the prescribed manner, submit to Manitoba Conservation a written proposal for an Environment Act Licence to continue operating a meat plant/abattoir.
4. Director' Order D - 119 is hereby revoked

Failure to action this Order to the satisfaction of the Director may result in suspension of operations.

Date:

May 8/07



Mitch Walker  
A/Director Eastern Region

Served by:

S. Sam EO 175.

Received by:



Date:

May 11, 2007.

**APPENDIX C**

---

**Well Log**



well log.txt

LOCATION: SW35-7-6E

Owner: L PENNER  
Driller: Friesen Drillers Ltd.  
Well Name:  
Well Use: PRODUCTION  
Water Use: Domestic  
Date Completed: 1974 Oct 01

WELL LOG

From (ft.)	To (ft.)	Log
0	14.0	CLAY
14.0	92.9	TILL
92.9	254.8	LIMESTONE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	92.9	casing	4.25			INSERT	BLACK IRON
92.9	254.8	open hole					

Top of Casing: ft. below ground

PUMPING TEST

Date:  
Flowing Rate: 20.0 Imp. gallons/minute  
Water level before pumping: 8.0 ft. above ground  
Pumping level at end of test: 12.0 ft. above ground  
Test duration: 3 hours, minutes  
Water temperature: ?? degrees F

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