



STECKLEY

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July 31, 2012

File No. 12E04

Environmental Assessment And Licensing Branch
Manitoba Conservation
Suite 160, 123 Main Street
Winnipeg Manitoba R3C 1A5

Attention: Tracy Braun

Dear Sir:

**RE: RM OF STANLEY WASTEWATER TREATMENT FACILITY
PRIMARY CELL DESLUDGING**

The RM of Stanley anaerobic lagoon was licensed under Environment Act License No. 2635. Due to rapid growth in the area, the primary cell has a sludge build-up.

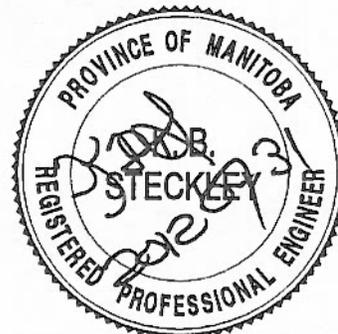
To regain this capacity, the RM of Stanley is proposing to desludge the primary cell and retain Assiniboine Injections Ltd. to inject the sludge on farm lands within the RM of Stanley in the fall of 2012.

Our proposal is attached for your approval.

We trust this is sufficient for your use. If you require additional information, please contact the undersigned.

Yours truly,
STECKLEY Consulting Engineers Inc.

Kevin B. Steckley, P.Eng.
/kbs



Environment Act Proposal Form

Name of the development: RM of Stanley Wastewater Treatment Facility	
Type of development per Classes of Development Regulation (Manitoba Regulation 164/88): Class 2 Development - Waste Treatment And Storage	
Legal name of the proponent of the development: STECKLEY Consulting Engineers Inc.	Mailing address: PO Box 749 Winkler MB R6W 4A8
Location (street address, city, town, municipality, legal description) of the development: NW 1/4 11-2-5W, RM of Stanley	
Name of proponent contact person for purposes of the environmental assessment: STECKLEY Consulting Engineers Inc., Kevin B Steckley	
Phone: 204-325-5114 Fax: 204-325-0618	Mailing address: PO Box 749 Winkler MB R6W 4A8
Email address: ksteckley@steckley.ca	
Webpage address: www.steckley.ca	
Date: 2012 07 31	Signature of proponent, or corporate principal of corporate proponent:  Printed name: Kevin B Steckley, P.Eng.

A complete **Environment Act Proposal (EAP)** consists of the following components:

- **Cover letter**
- **Environment Act Proposal Form**
- **Reports/plans supporting the EAP** (see "Information Bulletin - Environment Act Proposal Report Guidelines" for required information and number of copies)
- **Application fee** (Cheque, payable to Minister of Finance, for the appropriate fee)

Submit the complete EAP to:

Director
Environmental Assessment and Licensing Branch
Manitoba Conservation
Suite 160, 123 Main Street
Winnipeg, Manitoba R3C 1A5

For more information:

Phone: (204) 945-7100
Fax: (204) 945-5229
Toll Free: 1-800-282-8069, ext. 7100
<http://www.gov.mb.ca/conservation/eal>

Per Environment Act Fees Regulation (Manitoba Regulation 168/96):

Class 1 Developments	\$500
Class 2 Developments	\$5,000
Class 3 Developments:	
Transportation and Transmission Lines.....	\$5,000
Water Developments	\$50,000
Energy and Mining.....	\$100,000

**RM OF STANLEY
WASTEWATER TREATMENT FACILITY
DESLUDGING
ENVIRONMENT ACT PROPOSAL**



July, 2012



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1.0 INTRODUCTION

The RM of Stanley is located in southern Manitoba and is a growing community with a current population estimated at over 8500 people. The growth in the RM from 2006 to 2011 (census years) has increased from 6,365 to 8,355 persons or a 31.3% growth. The anaerobia lagoon constructed in 2005 and 2006 in the RM in the NW 1/4 11-2-5W has accumulated a sludge build-up which the RM proposes to address in the fall of 2012.

2.0 BACKGROUND

The anaerobic lagoon was constructed as shown on Drawing No. 01E10-P1 issued 2006 11 06. The anaerobic cell has dimensions of 48m x 48m, a berm slope of 4:1, liquid depth of 3.0m and freeboard of 1.0m. This provides a liquid volume of 4100 m³ and a surface area of 0.23 ha.

3.0 SLUDGE ACCUMULATION

The original EAP based capacity on a design population of 6071 persons. This population was attained in 2006. Population growth in the last 5 years has been 31.3% or 1.6 times the previous 20 year average of 19%. Desludging is required to achieve immediate recovery of the hydraulic capacity of the primary cell.

4.0 WASTEWATER FACILITY DESLUDGING OPTIONS

The option of constructing a drying bed on site either outside of the existing lagoon or within the secondary cell was considered but due to time constraints, land application via liquid injection was selected for this proposal.

5.0 SLUDGE CHARACTERISTICS

Assiniboine Injections Ltd. will be providing sludge testing to determine its quality.

6.0 RECEIVING LANDS

Assiniboine Injections Ltd. will be providing soil testing (nutrients) of the receiving lands. Receiving land locations will be obtained by the RM of Stanley.

7.0 ODOUR CONSIDERATIONS

The injection of the sludge will minimize odour.

8.0 IMPACT

It is expected that there will be no negative impact on heritage resources and no negative socio-economic implications resulting from the environmental impacts.

9.0 APPLICATION SCHEDULE

Application of the sludge is scheduled to occur in the fall of 2012 upon removal of the crops and after soil nutrient testing and sludge quality testing.

10.0 FUNDING

Funding is to be provided by the RM of Stanley.

