



**THE MANITOBA WATER  
SERVICES BOARD**

2010 Currie Blvd., Brandon, Manitoba, Canada R7A 6Y9

T 204-726-6076 F 204-726-7196

June 30, 2015

Environmental Approvals Branch  
Manitoba Conservation and Water Stewardship  
123 Main Street, Suite 160  
Winnipeg, MB R3C 1A5

Attention: Tracey Braun, Director

**Re: Municipality of Oakland-Wawanesa Lagoon  
Notification - Proposed Minor Alteration**

Dear Ms. Braun:

Please accept this letter and supporting information as an approval request and notification for a proposed minor alteration to Environment Act Licence 3117 according to Section 14 of *The Environment Act*.

Environment Act Licence 3117 was issued to the Village of Wawanesa regarding the construction and operation of a wastewater collection system and a wastewater treatment lagoon to service the Community of Wawanesa. The lagoon is located on SE 25-7-17W.

The original effluent discharge route for the lagoon was to drain to a municipal ditch to the south of the lagoon where it would travel west approximately 150 m before entering a first order drain that flows northeast for 800 m to the Souris River. As per the Drainage & Water Control Licensing Branch of Conservation and Water Stewardship the downstream landowner must grant permission to allow the effluent to drain to their land. As the landowners refused to grant this permission an alternative discharge route has been designed.

Supporting information is outlined as follows:

**Description of the Physical Changes**

It is proposed to install a 250 mm diameter pipeline to discharge the lagoon effluent from the secondary cell north to the Souris River. The pipeline will be approximately 320 m long and will be directionally drilled to a depth of 2.4 m. The outfall will consist of grouted riprap on a layer of gravel and geotextile fabric. The outfall will be 20 m long and 3 m wide. Details are shown in the attached drawings.

The pipeline will be located on an easement on SE 25-7-17 W and follow existing paths through the treed area along the shore of the river. The slope of the river bank at this location is less steep and no visible slumping was seen.

There will be no change to the lagoon design other than the location of the discharge route.

#### Identification and Quantification of Substances

The discharge of the lagoon is expected to take place over a period of two weeks at a flow rate of approximately 45 L/s. The effluent must meet Tier I Water Quality Standards identified in the Manitoba Water Quality Standards Objectives and Guidelines for municipal wastewater effluent prior to discharge.

#### Environmental Assessment

Originally the lagoon was to discharge to a first order drain that would flow approximately 800 m to the Souris River. The new discharge route will now be piped directly to the River approximately 320 m north of the lagoon. Impacts to surface water and fisheries resulting from the discharge pipeline are expected to be minimal. The pipeline will be directionally drilled and riprap will be installed to prevent erosion.

#### Summary Statement

An alternate discharge route has been designed for the Wawanesa lagoon as the original route identified in the Licence was rejected due to the fact that landowners denied permission to drain to their land. The proposed new discharge route will consist of 320 m of 250 mm diameter pipeline that extends from the secondary cell north to the Souris River. The pipeline will be directionally drilled at a depth of 2.4 m and will discharge to an outfall of 20 m of riprap before entering the Souris River.

Designs documents have been prepared and therefore a prompt response is requested. If you require additional information, please contact the undersigned at (204) 726-6080 or by email at [dee.genaille@gov.mb.ca](mailto:dee.genaille@gov.mb.ca).

Yours truly,



Dee Genaille, M.Sc., P.Eng.  
Design Engineer

c: Marlene Biles, CAO, Municipality of Oakland-Wawanesa