



Conservation and Water Stewardship

Climate Change and Environmental Protection Division
Environmental Approvals Branch
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File: 3369.20
March 26, 2013

Mr. Robert Poirier
Chief Administrative Officer
R.M. of St. Francois Xavier
1060 Hwy 26
St. Francois Xavier, MB R3L 1A5

Dear Mr. Poirier:

**Re: R.M. of St. Francois Xavier – Wastewater Treatment Lagoon Expansion
Environment Act Proposal**

The initial review of the R.M. of St. Francois Xavier wastewater treatment lagoon expansion Environment Act Proposal (EAP) has been completed.

The review has generated requests for additional information. Please address and provide responses to the comments from the Technical Advisory Committee (TAC) that are presented in the attached item. The EAP review process will continue upon receipt of your response.

In their February 13, 2013 letter, the Canadian Environmental Assessment Agency (CEAA) indicated that the R.M. of St. Francois Xavier is responsible for confirming its federal regulatory responsibilities associated with this project. Please review the regulations (<http://laws-lois.justice.gc.ca/eng/regulations/SOR-2012-147/index.html>) and contact CEAA if the EAP includes any described activity.

If you have any questions, please contact me at 204-945-7012.

Yours truly,

“Original Signed by”

Jennifer Winsor, P.Eng.
Environmental Approvals Branch

Enclosure

c. Public Registries



DATE: March 11, 2013

Memorandum

TO: Jennifer Windsor
Environmental Approvals Branch
160-123 Main Street, Winnipeg,
MB
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FROM: Joy Kennedy
Water Quality Management Section
Water Science and Management Branch
160-123 Main Street, Winnipeg, MB
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Cc Nicole Armstrong
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**SUBJECT: ENVIRONMENT ACT PROPOSAL FILE: 3369.20 RM OF ST FRANCOIS
XAVIER WASTEWATER STABILISATION POND EXPANSION**

- The following effluent standards should be in place for RM St. Francois Xavier lagoon as per the *Manitoba Water Quality Standards, Objectives and Guidelines Regulation (196/2011)*.
 - BOD₅ 25 mg/L
 - Total suspended solids 25 mg/L
 - Fecal Coliforms or *Escherichia coli* 200 MPN / 100mL
- The *Manitoba Water Quality Standards, Objectives and Guidelines Regulation (196/2011)* requires new or expanding wastewater treatment facilities to meet a 1 mg/L phosphorus limit or implement a nutrient reduction strategy. The proposal states that trickle discharge would be implemented and that land has been set aside for a future constructed wetland.
 - The effluent standards should not allow discharge where the total phosphorus content of the effluent is in excess of 1 milligram per litre or provide additional information on the equivalency of trickle discharge to a 1 mg/L phosphorus limit. This information must be provided before trickle discharge can be approved as a nutrient reduction strategy.
 - Has the Proponent considered effluent irrigation as a discharge option?
- The Water Quality Management Section is concerned with any discharges that have the potential to impact the aquatic environment and/or restrict present and future uses of the water. Therefore it is recommended that the license require the proponent to actively participate in any future watershed based management study, plan/or nutrient reduction program, approved by the Director.

Joy Kennedy