



Conservation and Water Stewardship

Climate Change and Environmental Protection Division
Environmental Approvals Branch
123 Main Street, Suite 160, Winnipeg Manitoba R3C 1A5
T 204 945-8321 F 204-945-5229
www.gov.mb.ca/conservation/eal

File: 651.20

October 8, 2013

Adara Kaita
Crown Land Programs and Policy Manager
Manitoba Conservation and Water Stewardship
Box 25, 200 Saulteaux Crescent
Winnipeg, MB R3J 3W3

Dear Ms. Kaita:

Re: Stephenfield Provincial Park Wastewater Treatment Lagoon Upgrades - Environment Act Proposal

The responses from the Technical Advisory Committee (TAC) that contained requests for additional information regarding the Environment Act Proposal (EAP) for the Stephenfield Provincial Park Wastewater Treatment Lagoon Upgrades were forwarded to the proponent's consultant. The consultant was asked to address the comments contained in the responses and to provide additional information for the environmental review that is continuing.

Attached you will find the consultant's August 26, 2013 letter responding to the comments and requests for additional information presented by the TAC. Please review the response to determine if your comments and requests for additional information have been satisfactorily addressed.

Your comments, if any, are required not later than three weeks after the date of this letter. No response on your part will be assumed to indicate no concern.

If you have any questions, please contact me at (204) 945-2614 or by e-mail at Rafiqul.Chowdhury@gov.mb.ca.

Yours truly,

"Originally signed by"

Rafiqul Chowdhury, M.Eng., P.Eng
Environmental Engineer

Attachment

- c. Donna Smiley, Provincial Manager, Environmental Compliance and Enforcement Branch
Public Registries



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October 8, 2013

James Stibbard P. Eng.
Approvals Engineer
Office of Drinking Water
1007 Century Street
Winnipeg MB R3H 0W4

Dear Mr. Stibbard:

Re: Stephenfield Provincial Park Wastewater Treatment Lagoon Upgrades - Environment Act Proposal

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October 8, 2013

Joy Kennedy
Water Quality Management Section
Water Science and Management Branch
160-123 Main Street, Winnipeg, MB
R3C 1A5

Dear Ms. Kennedy:

Re: Stephenfield Provincial Park Wastewater Treatment Lagoon Upgrades - Environment Act Proposal

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Environmental Engineer

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October 8, 2013

Laureen Janusz
Fisheries Science and Fish Culture Section
Manitoba Conservation and Water Stewardship
Box 20, 200 Saulteaux Crescent
Winnipeg, MB R3J 3W3

Dear Ms. Janusz:

Re: Stephenfield Provincial Park Wastewater Treatment Lagoon Upgrades - Environment Act Proposal

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Yours truly,

"Originally signed by"

Rafiqul Chowdhury, M.Eng., P.Eng
Environmental Engineer

Attachment

- c. Donna Smiley, Provincial Manager, Environmental Compliance and Enforcement Branch
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Stantec

Stantec Consulting Ltd.
905 Waverley Street
Winnipeg, MB R3T 5P4
Tel: (204) 489-5900
Fax: (204) 453-9012



August 26, 2013
File: 111213890

Manitoba Conservation and Water Stewardship
Climate Change and Environmental Protection Division
Environmental Approvals Branch
123 Main Street, Suite 160
Winnipeg, Manitoba
R3C 1A5

**Attention: Mr. Rafiquel Chowdhury, P.Eng.
Environmental Engineer**

Dear Mr. Chowdhury:

**Reference: Stephenfield Provincial Park
Wastewater Treatment Lagoon Upgrades
Environment Act Proposal**

We have the following comments to the questions and comments raised by the responders:

1. Memorandum from Water Science and Management Branch – Manitoba Conservation and Water Stewardship, dated June 12, 2013.

Point 1 The effluent standards mentioned shall be met.

Point 2 The secondary cell will be isolated and tested prior to discharge. If the cell does not meet the phosphorus limit of < 1 mg/L then a calculated amount chemical coagulant such as alum will be added to the cell and dispersed using an outboard motor boat. The coagulated P will settle to the bottom in approximately a day and the cell will be retested. This procedure will be repeated until the acceptable limit is reached. Upon reaching the acceptable limit, the cell will be discharged. Test kits are available which could be kept on site.

Points 3 & 4 The proponent has considered an alternate discharge point to the east, directly downstream of the Stephenfield Lake outfall structure, as shown on the map in the EAP. However, this alternate location is significantly expensive due to the drop structure required on the downstream side. This alternative will be further considered at the design stage. The existing treated effluent discharge ditch drains

August 26, 2013
Mr. Rafiquel Chowdhury, P.Eng.
Environmental Engineer
Page 2 of 2

**Reference: Stephenfield Provincial Park
Wastewater Treatment Lagoon Upgrades
Environment Act Proposal**

from the existing secondary cell north 150 m into a small creek and from there 150 m north to Stephenfield Lake, as shown on the attached map.

Point 5 The Licence proponent will actively participate in any future watershed based management study, plan / or nutrient reduction program, as approved by the Director.

2. E-mail from office of Drinking Water, Manitoba Conservation and Water Stewardship, dated June 28, 2013.

- The requested contact information for the two Water Treatment Plants mentioned will be included in the lagoon operating manual, with respect to a potential major spill.

3. E-mail from Fisheries Science and Fish Culture Section, Fisheries Branch, Manitoba Conservation and Water Stewardship, dated June 21, 2013.

- The requested post monitoring clause can be provided in the Licence as well as a clause respecting erosion and sediment control during construction.

4. E-mail from Lands Branch, Manitoba Conservation and Water Stewardship, dated July 2, 2013.

- The Conclusion, item number 11 on page 25, will be considered as an additional component to the overall design.

We trust this addresses the comments and requested additional information received by you with respect to this EAP.

Yours truly,

STANTEC CONSULTING LTD.



Tim Stratton, P.Eng.
Stantec Project Manager
Tel: (204) 478-8997
Fax: (204) 478-8981
Tim.Stratton@Stantec.com

STEPHENFIELD LAKE

(3M)

(6M)

SW-36-6-7W1

EXISTING
TREATED EFFLUENT
DRAINAGE DITCH
300 m LONG

P S

EXISTING WASTEWATER LAGOON

(3M)

(5M)

(4M)



(3M)

