



Stantec Consulting Ltd.

500-311 Portage Avenue, Winnipeg MB R3B 2B9

March 22, 2018

File: 111204048

Reference: Request for Minor Alteration to Environment Act Licence No. 2211R – Issued October 31, 2016
for the Petersfield Wastewater Lagoon Expansion - Rural Municipality of St. Andrews; Client File No. 4138.10
Cover Letter / Detailed Report

Attention: Ms. Tracey Braun, M.Sc.
Environmental Assessment and Licencing Branch
Manitoba Sustainable Development
123 Main Street, Suite 160
Winnipeg, MB R3C 1A5

Dear Tracey,

This is a formal request to add Chesley's Resort's low pressure sewer wastewater to the wastewater treatment lagoon expansion outlined in Licence No. 2211R as a Minor Alteration. Four copies of the completed Notice of Alteration Form, four copies of this Cover Letter/Detailed Report, one electronic copy of the NOA cover letter/Detailed Report, and a cheque for \$500 are attached.

The RM of St. Andrews wishes to add wastewater from Chesley's Resort in Petersfield to the proposed new lagoon. The Chesley's Resort low pressure wastewater system would be received via a 100 mm forcemain into the proposed new north primary cell as shown on attached plan C-101. The Resort operates from May to September and therefore winter hydraulic storage is not affected. As well, there is considerable surplus hydraulic storage in the design due to the large size of the proposed new primary cells. The Resort 20-year annual design wastewater low pressure flow has been set at 13,000 L/d for an average 168-day season after considerable discussion with Chesley's and flow assessments. The additional organic loading is estimated to be 13,000 L @ 200/mg/L = 2.6 kg/day BODs. The increase in lagoon primary cell area would be $2.6 \div 56 = .046$ hectare or 460 S.M. Both proposed new lagoon primary cells would be expanded 5 m to the east to accommodate the additional organic loading, as shown on attached Plan C-101.

In summary, the proposed Alteration would have no effect on hydraulic loading of the lagoon, and minimal effect on providing additional primary cell surface area to satisfy organic loading. The inclusion of the Chesley's Resort wastewater would also resolve the treatment issue that Sustainable Development currently has with Chesley's Resort.

The present intent is to tender and construct the project in 2018. If there is anything we can do to expedite the process, please let me know.

Yours truly,

Tim Stratton, P.Eng., FEC

Senior Project Manager
Phone: (204) 478-8997
Fax: (204) 478-8981
tim.stratton@stantec.com

Attachment: C-101 Site Plan

c. RM of St. Andrews – Ron Hahlweg
Environmental Approvals Branch – Bruce Webb, Siobhan Burland Ross
Stantec Consulting Ltd. – Cameron Dyck, Doug Braun

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Notice of Alteration Form



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|---|--|---|---------------------|
| Client File No. : 4138.10 | | Environment Act Licence No. : 2211R | |
| Legal name of the Licencee: Rural Municipality Of St. Andrews | | | |
| Name of the development: Wastewater Treatment Lagoon | | | |
| Category and Type of development per Classes of Development Regulation: Waste Treatment and Disposal <SELECT> | | | |
| Licencee Contact Person: Tim Stratton, P.Eng. Stantec on behalf of RM of St. Andrews | | | |
| Mailing address of the Licencee: 500 - 311 Portage Ave. | | | |
| City: Winnipeg | | Province: MB | Postal Code: R3M3P8 |
| Phone Number: (204) 478-8997 Fax: (204) 453-9012 Email: tim.stratton@stantec.com | | | |
| Name of proponent contact person for purposes of the environmental assessment (e.g. consultant): Tim Stratton, P. Eng. Stantec | | | |
| Phone: (204) 478-8997 | | Mailing address: same as above | |
| Fax: (204) 453-9012 | | | |
| Email address: tim.stratton@stantec.com | | | |
| Short Description of Alteration (max 90 characters): Addition of Chesley's Resort domestic wastewater to the proposed lagoon expansion. | | | |
| Alteration fee attached: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/> | | | |
| If No, please explain: | | | |
| Date: MARCH 23, 2018 | | Signature: | |
| | | Printed name: Tim Stratton, P. Eng. | |
| <p>A complete Notice of Alteration (NoA) consists of the following components:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Cover letter <input checked="" type="checkbox"/> Notice of Alteration Form <input checked="" type="checkbox"/> 4 hard copies and 1 electronic copy of the NOA detailed report (see "Information Bulletin - Alteration to Developments with Environment Act Licences") <input checked="" type="checkbox"/> \$500 Application fee, if applicable (Cheque, payable to the Minister of Finance) | | <p>Submit the complete NOA to:</p> <p>Director Environmental Approvals Branch Manitoba Sustainable Development Box 80, Suite 160, 123 Main Street Winnipeg, Manitoba R3C 1A5</p> <p>Formore information:</p> <p>Phone: (204) 945-8321 Fax: (204) 945-5229 http://www.gov.mb.ca/sd/eal</p> | |
| <p>Note: Per Section 14(3) of the Environment Act, Major Notices of Alteration must be filed through submission of an Environment Act Proposal Form (see "Information Bulletin – Environment Act Proposal Report Guidelines")</p> | | | |

