



August 18, 2015

F:\100\118 Pipestone\118.07 Pipestone and Reston WW Lagoon Studies\Reston\01 Correspondence\153 Jul - Sept\Ltr - Response to MB Con.doc

Mr. Asit Dey, P.Eng.  
Environmental Approvals Branch  
Manitoba Conservation and Water Stewardship  
Box 80, 160-123 Main Street  
Winnipeg, Manitoba  
R3C 1A5

Via Email and Mail

P-118.07

Dear Mr. Dey,

**RE: RM of Pipestone – Reston Lagoon Upgrade and Expansion EAP [File No: 4761.10] – Response to Comments from Manitoba Conservation and Water Stewardship - Environmental Approvals Branch**

The following comments were provided in an email from Mr. Asit Dey, of Manitoba Conservation and Water Stewardship - Environmental Approvals Branch, dated August 13, 2015. The comments provided are bolded and followed by the response.

1. **“Please clarify the primary cell surface area. Section 2.5.15.4 of the Environment Act Proposal indicates that the expanded primary cell will have a surface area of 25,646 m<sup>3</sup> at a height of 0.75 m from the cell floor. Your design calculations indicate that the expanded primary cell will have a surface area of 26,354 m<sup>3</sup>. Please confirm that the organic loading will be within the 56 kg BOD<sub>5</sub>/day/ha requirement”.**

The expanded lagoon primary cell is estimated to have a surface area of 26,354 m<sup>2</sup> at a height of 0.75 m above the cell floor, as identified in Section 2.5.8.1. The surface area identified in Section 2.5.15.4 (25,646 m<sup>2</sup>) is incorrect, as it did not include the surface area gained by removing the intercell dike between the existing and proposed primary cells. Based on the projected population growth rate, the expanded lagoon will provide sufficient organic treatment capacity beyond the projected year 20 organic loadings, based on an organic treatment rate of 56 kg BOD<sub>5</sub>/day/ha.

2. **“Please submit to us a Conditional Use Permit and a Development Permit prior to the issuance of the Environment Act Licence”.**

The RM of Pipestone has been made aware of the requirement for a Conditional Use Permit and a Development Permit and they will be providing Manitoba Conservation with the above permits.

Hopefully the above responses sufficiently address your concerns regarding this project.

Sincerely,

JR Cousin Consultants Ltd.

Oswald Wohlgemut, M.Sc.  
Environmental Scientist

Reviewed by

Jason Cousin, P.Eng.  
Senior Municipal Engineer

cc June Gregg, CAD, RM of Pipestone - via email

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