



October 2, 2015

F:\200\206 Dauphin River Band\206,05 Water and Sewer Project\01 Correspondence\Ltr - EAP to MB Con Liner Change.doc)

Ms. Tracey Braun
Director of Environmental Approvals
Manitoba Conservation
123 Main Street
Suite 160 VIA Station
Winnipeg, Manitoba
R3C 1A5

Via Email

D-206.05

Dear Ms. Braun,

RE: Dauphin River First Nation Environmental Act Proposal for Wastewater Treatment Lagoon Construction Liner Alteration

The initial Environmental Act Proposal submitted for the Dauphin River First Nation lagoon identified a 1 m thick remolded clay liner. Since the original submission in April 2015 additional geotechnical investigations have been completed onsite, along with additional design works.

During the geotechnical investigation completed by AMEC Foster Wheeler in April 2015 and subsequent testing completed in May 2015, tests results show samples collected of the insitu clay soils meet the liner requirements of 1x10⁻⁷ cm/s. Instead of remolding the entire site as presented in the original EAP, the design has changed to only remold 1 m thick the soil under the keyway and inside slope of the perimeter dikes and under the intercell dike. (as identified on the attached plan L3) Should areas be found to have insufficient depth of clay during the excavation of the lagoon perimeter remolded liner, additional excavation will continue into the cell floor to confirm the availability of the minimum 1 m thick insitu clay liner.

If there are any questions or concerns, please contact the undersigned.

Yours truly,

JR Cousin Consultants Ltd.

Jason Cousin, P. Eng. Municipal Engineer

enc. Plan L3 - Dikes Details - Revision 1

