



February 26 2013

Mr. Bruce Webb
Manitoba Conservation
123 Main Street
Suite 160 VIA Station
Winnipeg, Manitoba
R3C 1A5 B

Dear Mr. Webb

RE: Water Conservation Measures

In your email of December 13, 2013 you conveyed a concern regarding the hydraulic loading values used for the design of the expansion of the Town of Beausejour Lagoon and requested the following:

1. A discussion is needed on planned water conservation measures, and/or other measures that will be undertaken to reduce per capita water consumption to rates more appropriate for a community of this size and economic base.
2. A discussion is also needed on planned measures to reduce the very high infiltration volumes into the wastewater collection system.

Upon discussions with the Town of Beausejour below is a list of initiatives the town is going to or is pursuing in order to reduce the hydraulic loading on the lagoon system.

Water Conservation Measures

- Residential/multi-family information handout with billing informing the resident of appliances and toilet replacement options to reduce water consumption
- Provide information regarding Manitoba Hydro Power Smart aerators,
- Provide information regarding lawn watering conservation tips
- Provide information regarding water losses through leaks and drips
- Rain barrel initiative
- Encourage xeriscaping practices, urban drainage concepts such as bio-swales
- Monitor and meter water used for the water main flushing program and that used for firefighting training
- Future development designs for optimal service sizing and grading for minimizing service flow requirements

Infiltration Volumes

- Continue with the sewer lining program, approximately 300 lineal meters per year, approximately 2000 lineal meters done to date
- Wastewater sewer renewals as required, 100 lineal meters in 2014
- Trial of manhole lining in 2014 to assess suitability and effectiveness in reducing infiltration
- Overland drainage improvements to minimize manhole infiltration
- Disconnect downspouts from house sewer

Water Conservation Measures

- Sump pump discharge to ground and not sewer
- Eliminate sump pump connections/overflows to wastewater services

Please call if you need any further information.

Yours truly,

JR Cousin Consultants Ltd.



TJ Schatkowsky
Senior Project Engineer

cc: Jack Douglas, CAO Town of Beausejour