



Corporation of the Municipality of Temagami

Memorandum to Council

Memo No.
2019-M-103

Staff
 Committee

Subject: North Lagoon
Agenda Date: June 27, 2019
Attachments: ECA (MECP) and EXP Proposal

RECOMMENDATION

BE IT RESOLVED THAT Council receive Memo 2019-M-103;

AND FURTHER THAT Council receive correspondence from the Ministry of Environment, Conservation, and Parks outlining conditions for the Environmental Compliance Approval for the North Lagoon including the deadline of September 30, 2019 to submit an application to upgrade the existing works to include an effluent disinfection system along with a detailed design to the Director for approval;

AND FURTHER THAT the proposal for the design and completion of the application received from EXP be approved in the amount of \$118,800 excluding HST.

INFORMATION

In 2018, there was a proposal to alter the sewage works at the lagoon in Temagami North to include processing (RBC) and disinfection. The design work that was being completed was based on certain parameters using best estimates at the time. The application process to amend the Environmental Compliance Approval (ECA) was put on hold as we were waiting for information from the Ministry of Environment, Conservation, and Parks (MECP) regarding updated limits after the results of testing they were completing in the lake. When these updated limits were received and reviewed, concern was expressed that the RBC as designed would not be able to meet the limits and clarification was requested.

We then received a draft amended ECA which set at a condition a disinfection system only (without any additional processing) with the limits similar to what is presently the case. When clarification was received, if there is additional processing then the new limits would apply but if there was the addition of a disinfection system only then the current limits would still be in effect. There is also the need to conduct additional testing to monitor certain levels at different depths in the lake.

In between the date the draft amended ECA was received and the date it was issued on June 18, 2019, the application date noted above was amended to ensure there was time available to prepare the design for the disinfection system. There are basically two choices for disinfection being chlorination and UV Filtration. With a chlorination system, chlorine is added and then a second process is required to remove the chlorine. There is also concern surrounding the use of chlorine in advance of new federal rules surrounding the use of chlorine that are in the process of being implemented. UV Filtration does not have the same concerns. With either system, it is also important that additional processing could be added in advance of the disinfection process should further changes be made in the future.

EXP was requested to provide a quote for design and application process. The quote received, and attached to this report, is the estimate to have tender ready documents prepared in advance of the application being made.

While not available at the time of publishing, we have requested a quote for the minimum design required to complete the application by September 20, 2019. This is similar to the quotes received last year for

the design when the RBC plant was being contemplated. In that situation, the quoted amount eventually approved was significantly reduced from the initial proposal to one that met the minimum requirements of application completion. We should have a quote for minimum requirements prior to Council's meeting. Should Council accept the amended proposal, it needs to be remembered that prior to completing any works after Provincial approval has been received, that additional engineering work will be required to get to the point of tender documents.

While the exact timeline is not known, once the application has been submitted in advance of the September 30th deadline, the Province will review and either approve or request amendments. Once approved, the time to start construction should be included in this approval. Considering the various changes that have already been encountered in this process, completing the minimum design work required to submit an application may be the most prudent choice to ensure we are not doubling our engineering budget depending on the approval received.

Respectfully Submitted:
Craig Davidson
Treasurer/Administrator