



Memo

TO: Chairperson, Committee of the Whole

SUBJECT: Water Treatment Plant and Residual Aluminum Readings

DATE: June 10, 2022

FROM: Chief Administrative Officer

BACKGROUND

Island Health has expressed concerns over the performance objective for aluminium and has mandated that the following occur:

- A written plan to reduce and maintain aluminium levels not to exceed 0.100 mg/L; and
- That results from a full chemical/physical spectral analysis be provided.

To ensure compliance we were directed to seek professional help and Island Health is now satisfied that we are making our best efforts in that regard. Stantec Consulting Ltd (Stantec), our previous consultants on the WTP project, can undertake the required sampling and testing over a four-month period. As part of this task, Stantec will summarize the water quality data and evaluate potential approaches to controlling aluminium at the WTP. Its findings will be summarized in a technical memorandum (TM).

Stantec is assuming that given the low turbidity levels reported in the treated water it is likely that the approach to controlling aluminium levels in the treated water is associated with coagulation optimization, and that bench-scale testing is likely to be required to ascertain that.

It is our hope that additional capital upgrades can be avoided from this work.

The quote from Stantec for the project is \$29,900 plus taxes.

STAFF RECOMMENDATION

that Council recommend approval for Stantec Consulting Services to undertake the work in conformance with Island Health's mandated requirements on meeting the established aluminium levels in the amount of \$29,900 plus taxes.

Joseph A. Fernandez