

## Report to Council

**Report Title:** 2021 UV Disinfection System Tender Results

**Prepared By:** Gregg Furtney, Director of Operations

**Department:** Utilities

**Date:** May 11, 2021

**Report Number:** UT2021-10      **File Number:** C11UT, F18

**Attachments:** Tender Review Letter from BM Ross

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### Recommendation:

That the Council of the Municipality of Brockton hereby receives Report Number UT2021-10 – 2021 UV Disinfection System Tender Results, prepared by Gregg Furtney, Director of Operations, and in doing so accepts the UV Disinfection System Tender from Stone Town Construction Limited in the amount of \$383,695, including HST, as recommended by B.M. Ross and Associates Limited.

### Report:

#### Background:

In relation to Report Number UT2020-05 (March 10, 2020) because of the Wastewater Systems Effluent Regulations (SOR/2012-139), under the Federal Fisheries Act, Pollution Control Plants, such as the one in Walkerton, are not permitted to “deposit or permit the deposit of effluent that contains any of the deleterious substances prescribed in section 5 via the system’s final discharge point in any water or place” (Section 6(1)). One of the listed deleterious substances is chlorine. The Walkerton Pollution Control Plant uses small doses of Chlorine to maintain a “Chlorine Residual”, a final disinfection dose to destroy any remaining bacteria in the wastewater prior to it being released to the Saugeen River. Under the Wastewater Systems Effluent Regulations (Section 6 (1 C) and Section 28 (1 C) the Municipality is required to still disinfect the wastewater prior to its release into the Saugeen River, but are not allowed to use Chlorine. Another approved method needed to be in place by December 31<sup>st</sup>, 2020. Because of the COVID 19 Pandemic, and the resulting delays associated with it, the Municipality of Brockton was granted an extension for this project.

With the help from BM Ross and Associates, the Municipality applied for and was successful in obtaining Grant Funding and a low interest loan through the Green Municipal Fund. The Grant is valued at \$78,000 and the low interest loan is for up to \$520,000.

The total estimated price of the project was \$747,500. \$150,000 was set aside in the non-taxable Utilities budget (approved) in 2020 to cover the Municipality’s portion of the project. That was later carried over to the 2021 Capital Budget because the project delays related to the COVID 19 Pandemic.

Council considered and approved the pre-purchase of the UV Disinfection Units in March of 2020, through Report Number UT2020-05 (March 10, 2020). These Trojan UV Units were purchased at a cost of \$248,858.47. BM Ross and Associates are awaiting their arrival.

In April of 2021, BM Ross and Associates issued a tender for the remaining parts of the project. The Tender for this work closed on Tuesday May 4<sup>th</sup>, 2021. There was only one (1) submission, from Stone Town Construction Limited, in the amount of \$383,695, including HST.

In speaking with staff from Stone Town Construction Limited, work will commence later this summer, if approved.

**Analysis:**

Staff from BM Ross and Associates reviewed the single tender submission from Stone Town Construction Limited for completeness and accuracy. BM Ross and Associates are recommending that the Municipality of Brockton move forward with Stone Town Construction Limited’s Bid Submission in the amount of \$383,695 plus HST.

**Sustainability Checklist:**

What aspect of the Brockton Sustainable Strategic Plan does the content/recommendations in this report help advance?

- |   |     |
|---|-----|
| • Do the recommendations help move the Municipality closer to its Vision? | Yes |
| • Do the recommendations contribute to achieving Cultural Vibrancy?       | N/A |
| • Do the recommendations contribute to achieving Economic Prosperity?     | N/A |
| • Do the recommendations contribute to Environmental Integrity?           | Yes |
| • Do the recommendations contribute to the Social Equity?                 | N/A |

**Financial Impacts/Source of Funding:**

- Do the recommendations represent a sound financial investment from a sustainability perspective? Yes

To date, the Municipality has paid approximately \$20,000 in Engineering and approval fees and will pay, upon delivery, \$248,858.47 for the Trojan UV Units. Stone Town Construction has submitted a tender, to complete and commission the project, for \$384,695, plus HST. The total project will cost \$653,574.29. This is less than the estimated project cost, \$747,500.

**Reviewed By:**



**Trish Serratore, Chief Financial Officer**

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**Respectfully Submitted by:**



Gregg Furtney, Director of Operations

**Reviewed By:**



Sonya Watson, Chief Administrative Officer