



## TOWNSHIP OF EDWARDSBURGH CARDINAL ACTION ITEM

**Committee:** Public Works, Environmental Services & Facilities

**Date:** July 18, 2022

**Department:** Environmental Services

**Topic:** Spencerville Lagoon Sluice Gate Valve Replacement

**Purpose:** To terminate the Spencerville splitter box relining contract and reallocate the \$23,000.00 budget toward the lagoon's south cell sluice gate valve replacement.

**Background:** The Spencerville Lagoon splitter box relining project was awarded to AquaDrain in 2020. The contractor was granted a year extension in 2020 due to labour shortages and again in 2021 due to material supply chain issues. Timelines have expired and all signals indicate that the contractor will not be completing the work. Staff recommend that the contract be terminated for failing to meet its obligations under the agreement. The Spencerville splitter box project will be placed into the 2023 budget for consideration with AquaDrain excluded from bidding on the project.

On Friday April 29<sup>th</sup>, during the 2022 annual spring discharge, E/S Operators encountered difficulty seating the 406 mm (16 inch) sluice gate valve in the south lagoon. The valve is critical in controlling the flow rate of treated effluent during discharge and to secure the contents of the lagoon for the remainder of the year. E/S entered the valve chamber and discovered significant valve corrosion but were able to seat the valve. The valve, installed in 1989, is original equipment.

On May 24<sup>th</sup>, E/S discovered the valve was leaking. Temporary emergency repairs were completed to stop the valve from leaking and notifications were made to the Spills Action Centre, Leeds & Grenville Health Unit, Downstream user and the Township's MECP inspector. Samples were collected and a report filed with the MECP. The MECP and the Leeds & Grenville Health Unit were satisfied with the response and corrective actions.

The timing window to replace the valve is limited and should be completed immediately after discharging in April of 2023. Performing this work at any other time may require an

emergency discharge approval from the MECP. Emergency discharges should be the last resort for environmental compliance and operational reasons.

The lead time is 1-2 weeks for drawings and 6-8 weeks to fabricate and deliver the valve assembly. Due to uncertainty in the supply chain, staff are requesting approval to move forward with the work so the contractor can purchase the valve in advance. This would ensure the valve is available to install immediately after discharging the south lagoon in 2023.

**Policy Implications:** Council approval is required to terminate the contract and reallocate budgeted funds to a capital project not included in the current approved budgeted.

**Financial Considerations:** Five companies were invited to provide quotations to supply and install the valve. The following two companies responded:

<i>Selleck Mechanical:</i> Cost of Valve	\$22,614.42
Installation	<u>\$ 4,277.88*</u>
<b>Total</b>	<b>\$26,892.30 + HST</b>

\*Price does not include chamber cleaning or confined space rescue attendant and equipment.

*Eastern Welding:* Lump sum of \$48,500.00

The cost to purchase a new gate valve based on the Selleck Mechanical low bid is \$22,614.42. The 2022 budget had \$23,000.00 for the splitter box repair project. The installation and additional costs of valve chamber cleaning and confined space protocols will be budgeted for in 2023.

**Recommendation:** That Committee recommends that Council direct staff to terminate the Spencerville splitter box relining contract and reallocate the \$23,000.00 budget toward the lagoon's south cell sluice gate valve replacement.



Director of Operations

Eric Wemerman  
Chief Water/Sewer Operator



CAO