



Staff Report

Report Title: Water Wastewater February 2023

Prepared By: John Yungblut, C.E.T., Director of Public Works

Department: Public Works

Date: Feb. 6, 2023

**Report Number: PW-2023-02-9
WAT 22**

File Number: C11 PW23

Attachments: Monthly Water/Wastewater Summary

Recommendation:

THAT the Township of Huron-Kinloss Committee of the Whole hereby receives for information, Report Number PW-2023-02-9, prepared by John Yungblut, Director of Public Works.

Background:

Monthly Summary

Our Operating Authority, Veolia Water Canada, has prepared a summary of the water and wastewater operations over the past month.

Fall Hydrant Flushing

All municipal fire hydrants are flushed semi-annually to maintain water quality by removing sediment. This is typically completed in the spring and fall. In December, Township staff were informed by Veolia that they would be unable to complete the fall flushing program along the Lakeshore with the staff they currently have in place.

Valve Turning

The most recent contract renewal with Veolia, required that all water valves within our drinking water systems must be operated at least once a year. Valve turning is not a Ministry requirement, however, it is good practice to ensure the functionality of these fittings. Due to the milder than expected temperatures in early January, Veolia has indicated they should be able to finish the valve turning program before the spring.

Lucknow Standpipe Replacement

On Aug. 15, 2022, the tender of the construction of an elevated water storage tank in Lucknow was awarded to Landmark Structures Co. Construction began on Nov. 30, 2022 and is expected to finish in December 2023.

Huronville SCADA Upgrades

The contract for the upgrades of supervisory control and data acquisition (SCADA) software, the replacement of the programmable logic controller (PLC) and the master control centre (MCC) at the Huronville S Pumphouse was awarded to Eramosa Engineering on April 18, 2022. The work was originally scheduled to begin in February 2023. Huronville has been offline since December due to some issues with the well pump and chlorine pump. We were waiting to begin this project in order to resolve these issues.

Point Clark Well 3 Sample Results

One of the two wells at the Point Clark Pumphouse, known as Point Clark Well 3, has produced three raw water samples in December and two in January the contain relatively low levels of coliform.

Discussion:

Monthly Summary

The summary prepared by Veolia Water Canada is attached to this report.

Fall Hydrant Flushing

Veolia has been able to re-deploy staff from other areas to attempt to complete the fall hydrant flushing before the spring flushing program is scheduled to begin in April. All fire hydrants have now been flushed and blow-offs in Lucknow and Ripley. Blow-off flushing along the Lakeshore is expected to be completed by mid February.

Valve Turning

Veolia has now turned all mainline and hydrant valves, expect for small number that we will need to wait for warmer temperatures to inspect properly.

Lucknow Standpipe Replacement

The contractor is taking advantage of the mild temperatures since the Christmas break and are progressing well with the concrete pedestal construction. No unexpected challenges have been encountered to date and the contractor is on track to begin the commissioning process in October.



Huronville SCADA Upgrades

On Jan. 18th Eramosa informed Township staff that the MCC delivery has been delayed until at least the end of April. We discussed the possibility of installing the PLC now and delaying the MCC until it arrives, which would allow Huronville to be brought back online by mid February. Eramosa estimated that that completing the project in two phases would add an additional \$6,000 to the total cost of the project, which could be covered by the \$10,000 contingency allowance. Township staff decided to proceed with the PLC installation starting Feb. 1st, with an expected completion date of Feb. 9th. The remaining work will be scheduled when the MCC arrives.

Point Clark Well 3 Sample Results

Although coliform is easily treated through our chlorination system, Township staff will continue to monitor these results to determine if further investigation is necessary.

Financial Impacts:

The Lucknow Standpipe Replacement and Huronville upgrades are included in the Capital Budget.

Hydrant flushing and valve turning are included in our contract with Veolia which is funded through the Operating Budget.

Strategic Alignment / Link:

We are an environmentally conscious community that are good stewards of our natural environment by being aware and taking responsibility.

We are a prosperous community that continues to grow in a sustainable manner by investing in infrastructure.

Action Item P5.4 – Lucknow Water Tower

Respectfully Submitted By:

John Yungblut, Director of Public Works

Approved By:

Mary Rose Walden, Chief Administrative Officer