



Staff Report

Report Title: Water Wastewater September 2022

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

Department: Public Works

Date: Sep. 7, 2022

Report Number: PW-2022-09-63

**File Number: E08 WAT 22
E03 RIP 22
E13 RIP 21**

**Attachments: Monthly Water/Wastewater Summary, Whitechurch DWS
Inspection Report, Ripley DWS Inspection Report**

Recommendation:

THAT the Township of Huron-Kinloss Committee of the Whole hereby receives for information, Report Number PW-2022-09-63, prepared by John Yungblut, Director of Public Works

Background:

Monthly Summary

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

Ripley Lagoon Blower Building Repairs

The controls that are used during the spring and fall lagoon discharge at the Ripley Lagoon are contained within a building at the south end of the lagoon property. The building sustained some roof damage earlier this year and repairs are required before fall discharge begins.

Ripley Wells 3 & 4 Contamination Investigation

From June – November 2021, the raw water samples from the new wells near the Ripley Elevated Tank resulted in low levels of coliform and E. Coli bacteria. Although the weekly samples have been clear of any contamination since that time, Township staff continue to investigate potential causes of this issue. A pumping test was conducted by our hydrogeologist from May 17-18, 2022 to help determine a

potential source of contamination. The conclusion of the report issued on June 29th indicated that a leak in the piping between one of the wells to the elevated tank was the most likely source of contamination.

Well Video Inspections

On July 4, 2022, Council awarded the video inspections of the municipal drinking well in Whitechurch, Huronville and Murdoch Glen.

Huronville SCADA Upgrades

On April 18, 2022, Council awarded SCADA upgrades at the Huron S Pumphouse.

Ripley and Whitechurch DWS Inspections

Drinking Water Systems (DWS) are inspected on an annual basis by the Ministry of Environment, Conservation and Parks.

Discussion:

Monthly Summary

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

Ripley Lagoon Blower Building Repairs

The moldy ceiling and attic insulation has been removed by a restoration contractor and we are currently waiting for the roofing contractor remove and replace the roof shingles. We are expecting this work to be done by Sept. 2nd. We will then be able to proceed with replacing the ceiling, installing new light fixtures and insulating the attic.

Ripley Wells 3 & 4 Contamination Investigation

On Aug. 5th, our Operating Authority, Veolia Canada, conducted a pressure test under the supervision of our consulting engineer. The purpose of this test was to determine if a leak could be detected using the normal pressure in the system. The results of this test did not indicate any detectable leaks. The next step will be to bring in a pump to pressurize the system at a higher than normal pressure to see if a leak is observed.

Well Video Inspections

Both wells in Whitechurch have now been inspected and are deemed to be in good condition. Murdoch Glen is scheduled to be completed in September and Huronville in October.

Huronville SCADA Upgrades

The original plan was to complete this work in October so the site would be ready for the Township to supply water to Kincardine in late October, however, we currently don't have a delivery date for some of the equipment and it appears that it

will not arrive before November at this point. Therefore, the upgrades will have to be delayed until after Kincardine is supplied water.

Ripley and Whitechurch DWS Inspections

The score for Ripley was 97% and the score for Whitechurch was 100%.

Financial Impacts:

The repairs to the Ripley Lagoon blower building will be funded through the 2022 Operating Budget. Ripley Wells 3 & 4 Investigation and the Huronville SCADA Upgrades are included in the 2022 Capital 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.

Respectfully Submitted By:

John Yungblut, Director of Public Works

Approved By:

Mary Rose Walden, Chief Administrative Officer