



Staff Report

Report Title: Water Wastewater May 2023

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

Department: Public Works

Date: May. 1, 2023

Report Number: PW-2023-06-34

File Number: C11 PW23

Attachments: Monthly Water/Wastewater Summary, 2023 Huronville Operational Plan

Recommendation:

THAT the Township of Huron-Kinloss Committee of the Whole hereby receives for information, Report Number PW-2023-06-34 prepared by John Yungblut, Director of Public Works AND approves the 2023 Huronville Operational Plan submitted by the Municipality of Kincardine.

Background:

Monthly Summary

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

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 by December 2023.

The construction of the steel tank is nearing completion. The contractor has informed Township staff that they plan to sandblast and paint the tank from May 29th until June 18th. The tank will be lifted either the week of June 19th or June 26th.

Lakeshore Standpipe Restoration

This project began May 1st and was completed on May 18th. We began filling the standpipe on May 18th, however, a leak was detected at the base of the tank when

the water level reached 25%. The filling process was halted at this point and the contractor will be returning to investigate the cause of the leak on June 1st. The standpipe will need to be drained and remain offline until the problem is resolved.

Well Inspections

The video inspections of Point Clark Well 2 and Ripley Wells 2, 3 and 4 are scheduled to be completed this year. The inspection of Point Clark Well 2 was completed on April 27th and the inspection of Ripley Well 3 was completed on April 28th.

Huronville Operational Plan

As per Ministry regulations, the Municipality of Kincardine is required to submit their operational plan for the Huronville area on an annual basis. This is due to the fact that Kincardine owns and operates the Huronville drinking water system.

Discussion:

Monthly Summary

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

Lucknow Standpipe Replacement

This project is progressing well, and we have not encountered any delays or significant extra costs so far. The contractor is still on track to commission the new structure in October and demolish the existing standpipe and radio shed in November.

The contractor has indicated that they may be working on Saturdays and Sundays during the sandblasting and painting process to keep the project on schedule as the weather allows.

Lakeshore Standpipe Restoration

The contractor initially suspected that a fibre mat at the base of the tank had absorbed rainwater during the restoration project, which would result in the appearance of a leak. Veolia tested the water that was pooling at the base of the tank and found that it contained chlorine, which confirmed that it is not rainwater.

The contractor has apologized for the inconvenience this has caused and commented that this situation is extremely unusual. If the issue cannot be resolved by June 2nd and the weather temperatures continue to rise, there is a possibility that the Blairs Grove Well will need to be used for water supply. We generally try to avoid using the Blairs Grove Well due to the level of water hardness at that site, but water demand may increase to the point where we have no choice.

Well Inspections

Ripley Well 4 was inspected on May 4, 2023 and the findings were similar to Ripley Well 3. The well condition was good, however, there appeared to be evidence that the pitless adapter was not properly seated at some point which may have resulted in leakage of the well casing. It appears to be seated now and we have not had any issues with the water quality in over a year, so the contractor recommended that we leave the well as is unless we have more issues with coliform in the raw water.

Based on the findings of the video inspections and over a years worth of clear sample results for Ripley Well 3 and Well 4, Township staff are comfortable with abandoning Ripley Well 1 and operating the Ripley system on the three drinking water wells. The well abandonment will likely take place later this summer.

Ripley Well 2 is scheduled for inspection in early June.

Financial Impacts:

The Lucknow Standpipe Replacement, the Lakeshore Standpipe Restoration and well inspections are included in the 2023 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.

Action Item P5.4 – Lucknow Water Tower

Respectfully Submitted By:

John Yungblut, Director of Public Works

Approved By:

Mary Rose Walden, Chief Administrative Officer