



## Staff Report

**Report Title: Water and Wastewater July 2022**

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

**Department: Public Works**

**Date: Jul. 4, 2022**

**Report Number: PW-2022-07-48**

**File Number:**

**E08 WAT 22**

**E08 LUC 22**

**E08 LUC 19**

**E13 RIP 21**

**Attachments: Monthly Water & Wastewater Summary, Lucknow Inspection Report**

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### **Recommendation:**

That the Township of Huron-Kinloss Committee of the Whole hereby receives for information report number PW-2022-07-48, as 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.

#### Lucknow DWS Inspection Report

The Ministry inspects all drinking water systems on an annual basis.

#### Ripley Wells 3 and 4

The two drinking water wells that were drilled near the Ripley Elevated Tank (ET) site in 2011 were put into service in 2019. Raw water samples in the summer of 2021 contained E. Coli and coliform. The investigation of the source of contamination began in November 2021. At that time the over excavated stormwater management ponds at the MacTavish subdivision was one potential source of groundwater contamination.

### Lucknow Elevated Tank

In April 2022, the Township was notified that we were successful in our application for the ICIP Green Infrastructure Funding stream.

### London Road Watermain

The replacement of a failing rear yard watermain located on private property on the south side of a private roadway known as London Road is scheduled to be completed this year. This project is located in the Point Clark area.

### **Discussion:**

#### Monthly Summary

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

#### Lucknow DWS Inspection Report

The only item of non-compliance noted in the report is the condition of the standpipe, which is expected to be replaced in 2023.

#### Ripley Wells 3 and 4

Township staff have received the report from our hydrogeologist, Ian D. Wilson and Associates. Based on the evidence gathered from the investigation, it appears that the source of contamination is a leak in the piping between one of the wells and the elevated tank. While it is unfortunate that construction work recently completed could be the source of contamination, it should be easier to correct than the other sources that were examined such as the neighbouring stormwater management pond and the borehole drilling under the elevated tank foundation.

Township staff will discuss the process that could be undertaken to find the exact location of the leak with our consulting engineer.

### Lucknow Elevated Tank

The replacement of the Lucknow Standpipe with an elevated tank is currently being advertised for tender with a July 19<sup>th</sup> closing date. Bidders are being advised that the project cannot begin until after the Victoria St. and Wheeler St. reconstruction project is complete (likely after Oct. 21<sup>st</sup>) and the completion date is Dec. 31, 2023. This project will also include the demolition of the existing standpipe once the elevated tank is brought online. We have received some indication from contractors that the construction start date could be delayed until spring if they are unable to start early in October.

### London Road Watermain

The project is currently being advertised for tender with a July 13<sup>th</sup> closing date. The Township will need to finalize an easement agreement with the owner of London Road before construction can begin. Township staff are expecting this agreement to be brought forward to Council on July 18<sup>th</sup>.

**Financial Impacts:**

The investigation at Ripley Wells 3 and 4, the Lucknow Standpipe replacement and the London Road watermain project 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.

Action Item P5.4 – Lucknow Water Tower

**Respectfully Submitted By:**

John Yungblut, C.E.T., Director of Public Works

**Approved By:**

Mary Rose Walden, Chief Administrative Officer