



## The Corporation of the Township of Huron-Kinloss

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### Staff Report

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

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

**Department: Public Works**

**Date: Mar. 7, 2022**

**Report Number: PW-2022-03-20**

**File Number:**

**E03 ANN 22,  
E08 WAT 22  
E08 RIP 21  
E08 WEL 20  
E08 LUC 21**

### **Attachments: Monthly Water & Wastewater Summary**

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#### **Recommendation:**

That the Township of Huron-Kinloss Committee of the Whole hereby receives for information report number PW-2022-03-20, 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.

##### 2021 Annual Reports for Wastewater Systems

Our Operating Authority, Veolia Canada, is required to produce annual reports for all wastewater facilities in the Township.

##### Ripley Wells 3 & 4

Since November 2021, Township staff have been working with our Operating Authority, Veolia Canada and our hydrogeologist to determine the sources of coliform and E. Coli in the new wells that were drilled at the Ripley Elevated Tank site in 2011.

## Blairs Grove Wells 2 Abandonment

Since August 2020, Township staff along with our Operating Authority, Veolia Canada and contractor, W.D. Hopper & Sons have been working towards the abandonment of an artesian well in the Lurgan Beach area, known as BG-W2.

## Lucknow Well 4 & 5 Upgrades

Township staff have been working through inspections and upgrades to the two drinking water sources in Lucknow over the past two years. The pump upgrades will allow for the system to efficiently operate if the Lucknow Standpipe has to be taken out of service before the new elevated tank has been commissioned. This work is also expected to provide sufficient data to apply for an increase in the Permit to Take Water (PTTW) for the Lucknow system, which is the most cost-effective solution for increasing the drinking water capacity.

### **Discussion:**

#### Monthly Summary

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

#### 2021 Annual Reports for Wastewater Systems

The annual reports for the Ripley Wastewater Treatment Facility and Lucknow Sewage Treatment Works are now available on the municipal [website](#).

#### Ripley Wells 3 & 4

Our hydrogeologist continues to monitor the fluctuations in groundwater activity in the monitoring well at the well site until the pumping test can be completed. The ice on the stormwater management pond will need to melt before this can begin.

## Lucknow Well 4 & 5 Upgrades

The 24 hour pump test at Lucknow Well 5 was completed on Feb. 7, 2022 without any impacts to the water system or drinking water wells in the area. Although a report is not expected for two more weeks, the initial findings appear to support increasing the PTTW for the Lucknow system.

## Blairs Grove Wells 2 Abandonment

Our Contractor has begun the abandonment process at Well 2. The process is expected to take 16 days, however, this may be extended due to weather or other unexpected challenges.

### **Financial Impacts:**

The 2021 Capital Budget allocated \$200,000 for the abandonment of BG-W2 and the proposed 2022 Capital Budget has allocated \$35,000 for upgrades to Lucknow Well 5 and \$25,000 for the work at Ripley Wells 3 and 4.

The estimated cost for the pumping test at Ripley Wells 3 & 4 is expected to be \$12,000 and will be funded from 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.

**Respectfully Submitted By:**

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

**Approved By:**

Mary Rose Walden, Chief Administrative Officer