



The Corporation of the Township of Huron-Kinloss

Staff Report

Report Title: Water-Wastewater June 2024

Date: Jun. 3, 2024

Report Number: PW-2024-06-29

Department: Public Works

File Number: C11 PW 24

Prepared By: John Yungblut, Director of Public Works

Attachments: Monthly Water/Wastewater Summary, Entity Acknowledgment Statement Draft

Recommendation:

THAT the Township of Huron-Kinloss Committee of the Whole hereby receives for information Report PW2024-06-29 prepared by John Yungblut, Director of Public Works;

AND FURTHER that the Director of Public Works be authorized to sign the authorized entity acknowledgment statement on behalf of the Township of Huron-Kinloss, respecting Esri's provision of ArcGIS software as outlined in the report.

Background:

Monthly Summary

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

Point Clark Automatic Transfer Switch

As a result of recent power outages, it has come to the attention of Township staff that the current manual transfer switches at the Point Clark Pumphouse require a licenced electrician on site to switch the site from grid power to generator power. From an emergency management perspective, this situation is concerning because we cannot be sure that an electrician will always be available in an emergency.

We have discussed options to eliminate the need for an electrician to be on site with our Operating Authority, and the decision was made to install an automatic transfer switch that will allow for water operators to transfer power to a portable generator. This is the same type of switch that was installed at our Huronville South site during the SCADA upgrades that were completed earlier this year.

A quote in the amount of \$8,500 plus HST to supply and install an automatic transfer switch in Point Clark from Sepoy Wiring was approved.

Sanitary Maintenance Hole Repairs

Township staff have accepted the proposal from Specialty Grouting Services Inc. for the repair of nine maintenance holes in Lucknow and six in Ripley at an upset limit of \$66,750 plus HST. The work in Ripley began on May 23rd. The repairs in Lucknow will follow.

Ripley Lagoon Cell Repairs

This past winter, the Ripley Lagoon was unable to be discharged on our normal schedule due to elevated levels of turbidity. During the evaluation process to determine the cause of this issue, two main factors were identified: imported sewage being disposed of directly into the primary treatment cell and erosion of the final treatment cells.

The first issue was addressed by changing the disposal process, which eventually resulted in the suspension of all imported sewage disposal as of April 20, 2024 until a proper disposal station could be constructed.

The second issue was partially resolved from May 10-15, 2024 by regrading the side slopes of the final treatment cell, known as Cell 3 and placing large stones to prevent further erosion.

ArcGIS Software renewal

For the past several years, the County of Bruce has maintained a subscription through Esri Canada for the use of ArcGIS software and provided it to lower tier municipalities. This software is the foundation of our Geographic Information System (GIS) program, which Township staff use to manage our assets and maintain accurate mapping of our infrastructure.

Discussion/Analysis/Overview:

Point Clark Automatic Transfer Switch

This project is one more step in protecting our water distribution system during an emergency. The Point Clark site experiences multiple power outages each year, which often require generator power.

Township staff have been assured that the switch that will be installed will remain in place if a standby generator is installed in Point Clark, which may be recommended by staff during 2025 budget deliberations.

Sanitary Maintenance Hole Repairs

As of May 28th, two maintenance holes have been repaired successfully. The contractor estimated that the infiltration for each structure was 1 litre per minute.

Ripley Lagoon Cell Repairs

Township staff are confident that the work done so far should prevent issues with fall discharge. Cell 2 will also require remedial work, but it is of lower priority at this time.

ArcGIS Software renewal

To enable the Township to benefit from the County's agreement with Esri for the use of ArcGIS Software, the Township must enter into an authorized entity

acknowledgment statement (attached to this report). The document sets expectations as to how authorized users will use the product and there is no cost to the Township. This is a formality to continue using the software as the Township currently does to manage assets and maintain accurate mapping of infrastructure. Staff seek approval to enter into the acknowledgment statement on behalf of the Township.

Financial Impacts:

The cost to install an automatic transfer switch in Point Clark and the Ripley Lagoon cell repair is included in the operating budget.

The 2024 Operating Budget allocated \$75,000 for maintenance hole repairs.

Performance Measurement:

Township staff will be tracking sanitary sewer flows after the work is completed to see if there is any impact to the capacity of our system.

Strategic Area:

- Embrace a thriving rural lifestyle
- Enhance Municipal Service Delivery
- Prepare for Inclusive Growth
- Ensure Financial Stability

Strategic Goal: Manage assets and infrastructure

Respectfully Submitted By:

John Yungblut, Director of Public Works

Report Approved By:

Jodi MacArthur, Chief Administrative Officer