

Municipality of Lakeshore

Report to Council

Engineering & Infrastructure Services

Environmental Services



To: Mayor & Members of Council

From: Albert Dionne, C.E.T.
Manager of Water/Wastewater Services

Date: April 1, 2021

Subject: 2020-2021 MECP Drinking Water Inspections

Recommendations

Receive the Ministry of Environment, Conservation and Parks (MECP) Drinking Water Inspections for the Municipality of Lakeshore's following systems for information:

1. Lakeshore Drinking Water System – Report dated November 10, 2020
2. Tecumseh Distribution System – Report dated August 18, 2020
3. Union Distribution System – Report dated November 10, 2020
4. Stoney Point Drinking Water System – Report dated February 2, 2021, as presented at the May 11, 2021 Council meeting.

Background

The Ministry of Environment, Conservation and Parks (MECP) conducts inspections of the Municipality's water systems annually. Lakeshore has four (4) drinking water systems as follows:

1. Lakeshore Drinking Water System - The Lakeshore drinking water system delivers drinking water to the north-west part of the Municipality, generally bound by Lake St. Clair to the south to Highway 401 from County Road 19 (Manning Road) to Rochester Townline Road. Water is supplied from the Lakeshore Water Treatment plant on Lakeview Drive in Belle River. The water treatment plant and the water distribution system were inspected.
2. Tecumseh Distribution System - Under a service agreement between the Municipality of Lakeshore and the Town of Tecumseh, water is supplied to two small areas within the Municipality of Lakeshore both off County Road 19 (Manning Road). The first area is along Little Baseline Road for approximately 700 metres east from County Road 19 (Manning Road) while the second area is the rural area between County Road 42 and Highway 401 immediately west of

County Road 19 (Manning Road) along Scott Sideroad and Walls Road. These service areas have a total equivalent population of approximately 200 people. The Tecumseh Water Supply System is supplied with water from the Windsor Water Supply System (under a service agreement between the Town of Tecumseh and the Windsor Utilities Commission).

3. Union Distribution System - The Union Distribution drinking water system delivers drinking water to the south-west part of the municipality, generally bound by Highway 401 from County Road 19 (Manning Road) to Rochester Townline Road. Water is supplied from the Union Water Supply System Water Treatment plant in Ruthven.
4. Stoney Point Drinking Water System - The Stoney Point Drinking Water System delivers drinking water to most of the eastern part of the municipality and is generally bound by Lake St. Clair to County Road 8 and from Rochester Townline to just west of Richardson Sideroad. Water is supplied from Lakeshore's Water Treatment plant on St. Clair Road in Stoney Point. The water treatment plant and the water distribution system were inspected.

Comments

This report confirms that Council (as the owner of the drinking water system) has been informed when an MECP inspection takes place and the results of the inspections.

Further, these reports are being provided to Council in fulfilment of regulatory requirements under the Safe Drinking Water Act, 2002.

The results of the inspections are summarized below:

Lakeshore Drinking Water System

An announced inspection of the Lakeshore Drinking Water System was carried out by the MECP on November 10, 2020. The inspection report gives an overall rating of 100% and is appended to this report.

There were no items noted under “**Non-Compliance with Regulatory Requirements and Actions Required**”.

There was one (1) item identified under “**Summary of Best Practice Issues and Recommendations**” on page 14 of the appended report and is summarized as follows:

The following issues were also noted during the inspection:

1. *As per Condition 1.6.4, Schedule C of the License, a monthly UV alarm summary report shall be prepared, and include the time, date and duration of each UV equipment alarm. These summary reports were completed for the inspection period, however, do not include the volume of water treated during each alarm period, as required.*

Recommendation:

1. *The volume of water treated during each alarm period should be added to the monthly UV alarm summary report and documented going forward.*

Tecumseh Distribution System

An announced inspection of the Tecumseh Distribution System was carried out by the MECP on August 18, 2020. The inspection report gives an overall inspection rating of 100% and is appended to this report.

There are no items noted under “**Non-Compliance with Regulatory Requirements and Actions Required**”.

There are no items noted under “**Summary of Best Practice Issues and Recommendations**”.

Union Distribution System

An announced inspection of the Union Distribution System was carried out by the MECP on November 10, 2020. The inspection report gives an overall inspection rating of 100% and is appended to this report.

There are no items noted under “**Non-Compliance with Regulatory Requirements and Actions Required**”.

There are no items noted under “**Summary of Best Practice Issues and Recommendations**”.

Stoney Point Drinking Water System

An announced inspection of the Stoney Point Drinking Water System was carried out by the MECP on February 2, 2021. The inspection report gives an overall inspection rating of 100% and is appended to this report.

There are no items noted under “**Non-Compliance with Regulatory Requirements and Actions Required**”.

There are two (2) items noted under the “**Summary of Best Practice Issues and Recommendations**” on page 14 of the appended report and is summarized as follows:

The following issues were also noted during the inspection:

1. *The operating authority indicated that there is no Standard Operating Procedure for the transfer of treated water from the Stoney Point reservoir to Haycroft Pumping Station. Since this procedure is outside normal operations and could significantly impact the water quality and pressure in*

the distribution system, it is important to have a clear procedure for operators to follow.

2. *As recommended in the last inspection, all continuous meters that measure the parameters used to calculate CT were calibrated, with the exception of plant effluent temperature.*

Recommendation:

1. *By May 3, 2021, the operating authority shall develop and submit to the undersigned officer an SOP for this procedure. This procedure should include, at minimum, the following steps:*
 - *Confirm the water hauling truck you retain is only used for transporting treated drinking water*
 - *Ensure connections from the truck to the line are disinfected*
 - *Measure and record the date, time, delivery agent and the free chlorine residual upon delivery.*
2. *The operating authority is reminded to include the continuous meter that measures plant effluent temperature in their annual calibration schedule.*

All reports have been appended herein in their entirety.

Financial Impacts

There are no financial impacts as a result of the inspection reports.

Attachments:

- Lakeshore Drinking Water System – Report dated November 10, 2020
- Tecumseh Distribution System – Report dated August 18, 2020
- Union Distribution System – Report dated November 10, 2020
- Stoney Point Drinking Water System – Report dated February 2, 2021

Report Approval Details

Document Title:	2020-2021 MECP Drinking Water Inspections.docx
Attachments:	<ul style="list-style-type: none">- Lakeshore (Union) 2020-21 Inspection Report-EA.pdf- Lakeshore (Tecumseh) DS - 2020-21 Inspection Report-EA.pdf- Lakeshore DWS - 2020-21 Inspection - EA.pdf- Stoney Pt 2020-21 Inspection Report -EA.pdf
Final Approval Date:	May 3, 2021

This report and all of its attachments were approved and signed as outlined below:

Krystal Kalbol

Rosanna Pellerito

Kristen Newman

Truper McBride