

**The Corporation of the Village of Newbury  
Newbury Water Distribution System**

**Municipal Drinking Water Licence Number 249-101**

**Drinking Water Works Permit Number 249-201**

**January 1 to December 31, 2019**

**2019 Schedule 22 Compliance Report**

Prepared for: Village of Newbury  
22910 Hagerty Road  
P.O. Box 130,  
Newbury, ON N0L1Z0

Prepared by: Sco-Terra Operations Group Inc.

## **System Description**

The Newbury Distribution System is categorized as Large Municipal Residential Drinking Water System, receiving water from the Southwest Middlesex Distribution System to supply water to the Village of Newbury and the Four Counties Hospital. The Newbury Distribution is also a donor system to the Southwest Middlesex Drinking Water System.

## **Reporting Requirements**

### **Safe Drinking Water Act, O. Reg. 170/03: DRINKING WATER SYSTEMS SCHEDULE 22 Summary Reports for Municipalities**

#### **Section 22-2. (2)**

*(2) The report must,*

*(a) list the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report; and*

*(b) for each requirement referred to in clause (a) that was not met, specify the duration of the failure and the measures that were taken to correct the failure.*

### **Compliance with the Safe Drinking Water Act, O. Reg. 170/03, Municipal Drinking Water Licence #249-101 and Drinking Water Works Permit # 249-201**

This report is prepared in accordance with Schedule 22 of O. Reg. 170/03 and provides a summary of water quality information, water quantity statistics and any non-compliance events for the reporting period January 1 to December 31, 2019.

This report was prepared by Sco-Terra Operations Group Inc. with flow data supplied by the Village of Newbury.

The Newbury Distribution System was sampled by Sco-Terra Operations Group Inc. under the requirements of the Safe Drinking Water Act, 2002, the regulations made thereunder, and the Municipal Drinking Water Licence # 249-101.

No provincial Orders were issued against the Newbury Distribution system in relation to the sampling performed by Sco-Terra Operations Group Inc.

As per Schedule 15.1-5 (3), the Village of Newbury follows a Reduced sampling Schedule for Lead sampling and is therefore required to take Lead samples every third 12-month period which has to be completed in 2021. Alkalinity and pH samples were collected during the reporting period.

Routine Inspection was conducted by the Ministry of the Environment, Conservation and Parks (MECP) on June 4, 2019. There was one non-compliance issue identified in the Inspection Report. The Newbury Distribution System received a final inspection rating of 97.88%. The non-compliance identified in the Inspection Report is identified as follows:

**1. All changes to the system registration information were not provided within ten (10) days of the change.**

**Action(s) Required:**

*Regulation 170/03 stipulates that the owner of a system shall provide written notice to the MECP director within 10 days of a change made to the system's profile information.*

*At the time of inspection, information listed on the system's profile was out of date for greater than 10 days.*

*Before the issuance of this report, the owner provided the ministry with up to date information. There are no further actions required by the system owner*

**Adverse Water Quality Incident**

There was one adverse test result reported in 2019. Corrective Actions were taken immediately in accordance with Section-17-6 of O.Reg.170/03. Oral and written notice to Medical Officer of Health and the Spills Action Centre were provided as required under Schedule 16 of O.Reg.170/03.

**AWQI Number: 149112**

A Total Coliform count of 1cfu/100ml was identified in a distribution sample collected on November 25, 2019 in the Newbury Distribution System. Corrective Actions included flushing the water mains, chlorine residual sampling and bacteriological re-sampling at the AWQI location, upstream and downstream of the AWQI location.

Issue was resolved on December 2, 2019, following receipt of lab analysis of two sets of bacteriological sample results reporting zero total coliform.

**Information on Drinking Water advisories, Boil Water Advisories**

There were no drinking water advisories or boil water advisories issued during the reporting period.

**SCHEDULE 22-2. (3)**

*(3) The report must also include the following information for the purpose of enabling the owner of the system to assess the capability of the system to meet existing and planned uses of the system:*

- 1. A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.*

2. *A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system’s approval, drinking water works permit or municipal drinking water licence, or if the system is receiving all of its water from another system under an agreement pursuant to subsection 5 (4), to the flow rates specified in the written agreement.*

The total flow data in this section is supplied by staff of the Village of Newbury.

In accordance with Schedule 22-2(3) 1, Table 1 provides a summary of the quantity of water purchased in 2019, for comparison to the rated capacity in the Municipal Drinking Water Licence # 249-101, including monthly average and maximum daily flows.

**Table 1 – Summary of Quantities of Flow for 2019**

Rated Capacity does not apply to this system.

<b>Month</b>	<b>Total Flow (m<sup>3</sup>/month)</b>
January	3,061.0
February	3,116.0
March	2,667.5
April	2,960.0
May	3,238.0
June	3,483.5
July	4,100.0
August	2,895.9
September	3,523.6
October	3,675.5
November	3,420.0
December	3,374.0
<b>Total Flow 2019</b>	<b>39,515.0</b>
<b>Average Monthly Flow</b>	<b>3,292.9</b>
<b>Total Flow for 2018</b>	<b>43,035.5</b>
<b>Average Monthly Flow</b>	<b>3,586.3</b>

There is no rated capacity identified in the Municipal Drinking Water License # 249-101 for the Newbury Distribution System.

Monthly Flow Data for this Report was provided by the Village of Newbury. Therefore calculation of Total Flow and Average Monthly Flows are based on the data provided by the Village. Water supplied to the Village of Newbury is billed by the Municipality of Southwest Middlesex.

The calculated monthly average flow for 2019 was 3,292.9 m<sup>3</sup>.

The maximum daily flow for 2019 is not available as the meter reading frequency is monthly.

The Total Flow for 2019 was 39,515.0 m<sup>3</sup> compared to a 2018 Total Flow of 43,035.5 m<sup>3</sup>.

This represents 8.91 % decrease in the Annual Flow from 2018.