

# **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, 2023**

## **2023 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, 2023.

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. Lead sampling was completed in 2021 and is next scheduled to be completed in 2024. Alkalinity and pH samples were collected during the reporting period, results of which were in range of Ontario Drinking-Water Quality Standards.

An Annual Inspection was conducted by the Ministry of the Environment, Conservation and Parks (MECP) Water Inspector on July 20, 2023. The inspection covered the period from October 1, 2022, to June 30, 2023. During the Inspection, one Non-Compliance/Non-Conformance item was identified, where it was determined that when the Adverse Water Quality Incident occurred on November 7, 2022, samples were taken from the original adverse sample location but not from upstream and downstream location of AWQI.

### **Adverse Water Quality Incident**

There were no Adverse Water Quality Incidents during the reporting period.

### **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 2023, 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 2023**

Rated Capacity does not apply to this system.

<b>Month</b>	<b>Total Flow (m<sup>3</sup>/month)</b>
January	4148.5
February	3842.0
March	4942.5
April	3762.5
May	3868.5
June	5254.5
July	4010.5
August	4679.0
September	4179.0
October	2991.0
November	3185.0
December	3096.0
<b>Total Flow 2023</b>	<b>47959.0</b>
<b>Average Monthly Flow</b>	<b>3996.6</b>
<b>Total Flow for 2022</b>	<b>58299.5</b>
<b>Average Monthly Flow</b>	<b>4858.3</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 2023 was 3996.6 m<sup>3</sup>.

The maximum daily flow for 2023 is not available as the meter reading frequency is monthly.

The Total Flow for 2023 was 47959.0 m<sup>3</sup> compared to a 2022 Total Flow of 58299.5 m<sup>3</sup>.

This represents a 17.74 % decrease in the Annual Flow from 2022.