



**ONTARIO CLEAN WATER AGENCY**  
**AGENCE ONTARIENNE DES EAUX**

**WALTER'S FALLS**  
**DRINKING WATER SYSTEM**

Small Municipal Residential

**SCHEDULE 22**  
**SUMMARY REPORT**

**For the period of**  
**JANUARY 1, 2022 TO DECEMBER 31, 2022**

Prepared by the Ontario Clean Water Agency  
For The Corporation of the Township of Chatsworth

This report was prepared in accordance with the requirements of [O.Reg 170/03, Schedule 22, Summary Reports for Municipalities](#) for the following system and reporting period:

<b>Drinking-Water System Number:</b>	220007034
<b>Drinking-Water System Name:</b>	Walter's Falls Drinking Water System
<b>Drinking-Water System Owner:</b>	Township of Chatsworth
<b>Drinking-Water System Category:</b>	Small Municipal Residential
<b>Period being reported:</b>	January 1, 2022 – December 31, 2022

## 1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on February 1, 2022 for the period covering February 8, 2021 to February 1, 2022. On May 5, 2022 the Inspection Report was issued and on February 6, 2023 an Inspection Summary Rating Record (IRR) of 93.87% was received.

The following is a summary of non-compliances noted in the MECP Inspection Report, as well as the duration and the measures that were taken to correct the non-compliance. If any self-reported non-compliances were included in the inspection report, they will be noted in Table 1.

**Table 1. Non-Compliances and Corrective Actions noted in the 2021/2022 MECP Inspection Report**

Non-Compliance(s)	Duration	Required Actions & Corrective Actions
The operations and maintenance manuals did not meet the requirements of twashe Drinking Water Works Permit and Municipal Drinking Water Licence issued under Part V of the SDWA.	N/A	The O&M Manual was updated to include the appropriate standard operating procedures.
All changes to the system registration information were not provided within ten (10) days of the change.	N/A	The DWIS profiles were updated with the current contact information.
The owner was not maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials.	N/A	A well inspection was completed on Well #1 and a report was issued.
Measures were not in place to protect the groundwater and/or GUDI source in accordance with any the Municipal Drinking Water Licence and Drinking Water	N/A	Below grade well inspections were performed on Wells 1 & 2.

Works Permit issued under Part V of the SDWA.		
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The following table (Table 2) is a summary of any incidents that the Operating Authority interpreted as instances where any requirements of the Act, the regulations, the system's approval, drinking water works permit (DWWP), municipal drinking water licence (MDWL), and any orders applicable were not met. The Operating Authority reported the following incidents to the MECP and confirmation of whether the incidents are considered non-compliances are noted in the MECP Inspection Report and included in Table 1.

**Table 2. Self-Reported Incidents and Corrective Actions for the Reporting Period**

<b>Incident</b>	<b>Duration</b>	<b>Corrective Actions</b>
N/A	N/A	N/A

For information on any Adverse Water Quality Incident(s) that may have occurred during the reporting period, please refer to the Walter's Falls Drinking Water System Annual Report (Section 11).

## 2. Assessment of Flowrates and Quantity of Water Supplied

The following tables summarize the quantities and flow rates of water supplied during the reporting period, including monthly averages and maximum daily flows as well as a comparison to the rated capacity and flow rates approved in the system's approval, DWWP or MDWL.

### 2.1 Treated Water

<b>Municipal Drinking Water License (MDWL):</b>	241-101 (Issue Number: 4)
<b>Allowable Rated Capacity:</b>	624 m <sup>3</sup> /day
<b>Allowable Flowrate into Treatment System:</b>	N/A

As per the MDWL, the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed the listed rated capacity. However, the MDWL allows a system to be operated temporarily at a maximum daily volume and/or a maximum flowrate above the values set out in the MDWL for the purposes of fighting a large fire or for the maintenance of the drinking water system.

**Table 3. Treated Water Annual and Monthly Average and Maximum Flows with Comparison to Rated Capacity and Total Volume for 2022**

Timeframe	Treated Water Flow				
	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Total Volume (m <sup>3</sup> )
January	18.5	3.0%	23.8	3.8%	573
February	22.2	3.6%	33.1	5.3%	623
March	25.1	4.0%	52.4	8.4%	777
April	26.0	4.2%	40.8	6.5%	779
May	28.8	4.6%	53.4	8.6%	893
June	35.7	5.7%	63.0	10.1%	1,071
July	37.1	5.9%	62.2	10.0%	1,038
August	40.5	6.5%	68.7	11.0%	1,256
September	39.0	6.2%	70.5	11.3%	1,169
October	37.5	6.0%	61.0	9.8%	1,161
November	22.3	3.6%	33.3	5.3%	669
December	20.9	3.4%	34.1	5.5%	648
<b>2022</b>	<b>29.5</b>	<b>4.7%</b>	<b>70.5</b>	<b>11.3%</b>	<b>10,660</b>

A review of flow information for the reporting period indicates that the drinking water system operated within the rated capacity specified in the MDWL, for the maximum treated volume of treated water that flows from the treatment subsystem to the distribution system.

**Table 4. Treated Water Annual and Monthly Average and Maximum Flowrates for 2022**

Timeframe	Treated Water Flowrate	
	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.21	8.34
February	0.26	5.12
March	0.29	4.17
April	0.30	16.57
May	0.33	4.67
June	0.41	15.31
July	0.44	6.84
August	0.47	19.33
September	0.45	4.42
October	0.43	15.78
November	0.26	19.18
December	0.24	6.48
<b>2022</b>	<b>0.34</b>	<b>19.33</b>

The applicable MDWL for the reporting period did not list a maximum allowable limit for the flowrate of water that flows into a treatment subsystem. A summary of flowrates of water that flows into the treatment system can be found in Tables 6 and 8.

## 2.2 Raw Water

<b>Permit to Take Water Number:</b>	8213-BVVTHU
<b>Allowable Maximum Raw Water Volume - Well #1:</b>	662.1 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate - Well #1:</b>	1,003 L/min
<b>Allowable Maximum Volume of Raw Water - Well #2:</b>	662.1 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate – Well #2:</b>	1,003 L/min

As per the PTTW, water shall only be taken from the specified source(s) and at the rates and amounts taken as specified in the permit.

**Table 5. Raw Water (Well #1) Monthly Average and Maximum Flow and Total Volume for 2022**

Timeframe	Raw Water Flow – Well #1				
	Average Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Maximum Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Total Volume (m <sup>3</sup> )
January	21.3	3.2%	28.1	4.2%	659
February	23.4	3.5%	29.6	4.5%	655
March	25.4	3.8%	40.2	6.1%	786
April	26.0	3.9%	39.0	5.9%	781
May	28.1	4.2%	43.3	6.5%	871
June	32.6	4.9%	53.0	8.0%	979
July	33.6	5.1%	51.4	7.8%	1,042
August	35.9	5.4%	64.1	9.7%	1,112
September	35.8	5.4%	52.0	7.8%	1,073
October	33.9	5.1%	57.8	8.7%	1,051
November	23.4	3.5%	29.8	4.5%	701
December	23.1	3.5%	39.9	6.0%	718
<b>2022</b>	<b>28.5</b>	<b>4.3%</b>	<b>64.1</b>	<b>9.7%</b>	<b>10,427</b>

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable daily raw water volume for Well #1.

**Table 6. Raw Water (Well #1) Annual and Monthly Average and Maximum Flowrates for 2022**

Timeframe	Raw Water Flowrate – Well #1	
	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.25	6.13
February	0.27	6.09
March	0.29	6.05
April	0.30	6.43
May	0.32	6.42
June	0.38	6.05
July	0.39	6.05
August	0.42	5.99
September	0.41	5.97
October	0.39	5.99
November	0.27	6.09
December	0.27	6.10
<b>2022</b>	<b>0.33</b>	<b>6.43</b>

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable raw water flowrate for Well PW1.

**Table 7. Raw Water (Well #2) Monthly Average and Maximum Flow and Total Volume for 2022**

Timeframe	Raw Water Flow – Well #2				
	Average Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Maximum Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Total Volume (m <sup>3</sup> )
January	0.02	0.0%	0.60	0.1%	0
February	0.11	0.0%	2.83	0.4%	3
March	0.15	0.0%	3.98	0.6%	4
April	0.14	0.0%	3.85	0.6%	4
May	0.01	0.0%	0.28	0.0%	0
June	0.01	0.0%	0.19	0.0%	0
July	0.02	0.0%	0.41	0.1%	1
August	0.13	0.0%	3.55	0.5%	4
September	0.02	0.0%	0.26	0.0%	0
October	0.22	0.0%	6.25	0.9%	7
November	0.23	0.0%	1.87	0.3%	7
December	0.05	0.0%	1.00	0.2%	1
<b>2022</b>	<b>0.09</b>	<b>0.0%</b>	<b>6.25</b>	<b>0.9%</b>	<b>34</b>

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable daily raw water volume for Well #2.

**Table 8. Raw Water (Well #2) Annual and Monthly Average and Maximum Flowrates for 2022**

Timeframe	Raw Water Flowrate – Well #2	
	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.00	6.08
February	0.00	6.07
March	0.00	6.02
April	0.00	6.40
May	0.00	6.34
June	0.00	3.95
July	0.00	5.97
August	0.00	5.99
September	0.00	5.92
October	0.00	6.76
November	0.00	6.05
December	0.00	6.00
<b>2022</b>	<b>0.00</b>	<b>6.76</b>

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable raw water flowrate for Well #2.