



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, 2020 TO DECEMBER 31, 2020

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

Summary

This report is a summary of water quality and quantity information submitted in accordance with Schedule 22 of Ontario's Drinking Water System Regulation for the reporting period of January 1, 2020 to December 31, 2020 for the Walter's Falls Drinking Water System (DWS) located in the Township of Chatsworth. The summary includes the following information:

- Any requirements of the Act and Regulation, Orders or System Approval(s) that the system failed to meet during the reporting period and the measures taken to correct each failure.
- A summary of the quantities and flow rates of water supplied during the reporting period, including monthly averages and maximum daily flows.
- A comparison of the average and monthly maximum daily flows to the approved capacity specified in the System Approval.

Issues of Non-Compliance

A Ministry of Environment, Conservation & Parks (MECP) Drinking Water System Inspection was performed on February 8, 2021 for the period of July 22, 2019 to February 8, 2021. As of the issue date of the Schedule 22 Summary Report (March 11, 2021), the Inspection Report has not yet been issued and an inspection rating has not yet been received.

The following is a summary of the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water license, and any orders applicable to the system that were not met at any time during the period covered by the report; as well as the duration of the failure and the measures that were taken to correct the failure:

- The instance of non-compliance is awaiting final results from the MECP Inspection conducted on February 8, 2021.

The Operating Authority reported the following incidents to the MECP as non-compliances. Confirmation of whether the incidents are considered non-compliances will be noted in the MECP Inspection Report.

Non-Compliance(s)	Duration	Required Action & Corrective Actions
There was a power supply failure and the SCADA system faulted out causing no data to be stored between October 6, 2020 at approximately 14:00 to October 7, 2020 at approximately 08:30. During this time there were no water quality or operational alarms that occurred that would indicate that any compromised water was directed to users.	October 6, 2020 14:00 – October 7, 2020 08:30	Corrective Actions: <ul style="list-style-type: none"> • SCADA power pack was replaced and the system was restored • Operators ascertained all other systems were functioning as normal • No alarms occurred during the time period when data was not being collected

For information on any Adverse Water Quality Incident(s), refer to the Walter's Falls Drinking Water System Annual Report (Section 11) for the reporting period of January 1, 2020 to December 31, 2020.

Assessment of Flowrates and Quantity of Water Supplied

The following table summarizes the quantities of the water supplied during the period covered by the report, including monthly average and maximum daily flows as well as a comparison of the summary to the rated capacity approved in the system's approval, drinking water works permit or municipal drinking water license.

As per Municipal Drinking Water License (MDWL) 241-101 (Issue Number: 3) and the newly issued MDWL 241-101 (Issue Number: 4, expires November 10, 2025), the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed a rated capacity of 624 m³/day which has changed from 655.2 m³/day in the previous MDWL (Issue 3).

Table 1. Treated Water Monthly Average and Maximum Daily Flows and Comparison to Rated Capacity for 2020

2020	Treated Water Flow			
	Average Flow (m ³ /day)	Percent of Rated Capacity <small>(MDWL Rated Capacity 624 m³/day)</small>	Maximum Flow (m ³ /day)	Percent of Rated Capacity <small>(MDWL Rated Capacity 624 m³/day)</small>
January	31.4	5.0%	64.0	10.3%
February	46.0	7.4%	70.0	11.2%
March	51.3	8.2%	90.0	14.4%
April	19.9	3.2%	25.0	4.0%
May	21.9	3.5%	34.0	5.4%
June	28.3	4.5%	47.0	7.5%
July	31.1	5.0%	47.0	7.5%
August	33.6	5.4%	73.0	11.7%
September	27.5	4.4%	42.0	6.7%
October	26.3	4.2%	48.0	7.7%
November	23.8	3.8%	41.0	6.6%
December	21.5	3.4%	41.0	6.6%

Appendix A

Walter's Falls Drinking Water System

Water taking permitted as per PTTW #8213-BVVTHU

Flow & Flowrates for Well 1 & 2

Facility Flow Summary

Drinking-Water System Number: 220007034
 Drinking-Water System Name: WALTER'S FALLS DRINKING WATER SYSTEM
 Drinking-Water System Owner: Title Holder: Corporation/Company
 Drinking-Water System Category: Small Municipal Residential
 Municipal Drinking Water License: 241-101
 Period being reported: 01/2020 12/2020

Raw Water				
Raw Water (Source Name)		Well 1		
Source Type:		Drilled		
Drinking Water Permit to Take Water No:		8213-BVVTHU		
Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/sec)
Jan	871.00	28.10	57.00	6.80
Feb	1088.00	37.52	51.00	6.74
Mar	1194.00	38.52	79.00	6.84
Apr	620.00	20.67	29.00	6.74
May	714.00	23.03	31.00	6.65
Jun	819.00	27.30	39.00	6.64
Jul	914.00	29.48	39.00	6.62
Aug	951.00	30.68	51.00	6.64
Sep	808.00	26.93	39.00	6.77
Oct	822.00	26.52	40.00	6.00
Nov	784.00	26.13	39.00	6.27
Dec	807.00	26.03	40.00	5.98
Total	10392.00	340.91	534.00	78.69
Avg	866.00	28.41	44.50	6.56
Max	1194.00	38.52	79.00	6.84
Criteria			818.20	

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Raw Water				
Raw Water (Source Name)		Well 2		
Source Type:		Drilled		
Drinking Water Permit to Take Water No:		8213-BVVTHU		
Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/sec)
Jan	7.60	0.25	5.80	6.71
Feb	11.00	0.38	5.00	6.70
Mar	4.00	0.13	3.00	6.73
Apr	6.00	0.20	4.00	6.69
May	5.00	0.16	4.00	6.61
Jun	1.00	0.03	1.00	0.00
Jul	1.00	0.03	1.00	6.62
Aug	1.00	0.03	1.00	1.80
Sep	1.00	0.03	1.00	6.52
Oct	0.00	0.00	0.00	5.77
Nov	1.00	0.03	1.00	6.22
Dec	2.00	0.06	1.00	5.79
Total	40.60	1.34	27.80	66.16
Avg	3.38	0.11	2.32	5.51
Max	11.00	0.38	5.80	6.73
Criteria				