



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

**CHATSWORTH**  
**DRINKING WATER SYSTEM**

Large Municipal Residential

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

**For the period of**  
**JANUARY 1, 2019 TO DECEMBER 31, 2019**

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, 2019 to December 31, 2019 for the Chatsworth Drinking Water System 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

An MECP Drinking Water System Inspection was performed on September 10, 2019. No inspection report had been issued at the time of this report.

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:

Non-Compliance(s)	Duration	Required Actions & Corrective Actions
n/a	n/a	<u>n/a</u>

Refer to the Section 11 Annual Report for a summary of any Adverse Water Quality Incident(s) which occurred during the reporting period.

## Assessment of Flowrates and Quantity of Water Supplied

The following table summarizes the quantities (Table 1) and flow rates 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 and flow rates approved in the system's approval, drinking water works permit or municipal drinking water license.

As per Municipal Drinking Water License (MDWL) 241-102 (Issue Number: 3, expires November 18, 2020), the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed a rated capacity of 763 m<sup>3</sup>/day.

**Table 1.** Monthly Average and Maximum Daily Flows and Comparison to Rated Capacity for 2019

2019	Well #1 & 2 Combined Water Flow			
	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity <small>(MDWL Rated Capacity 763 m<sup>3</sup>/day)</small>	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity <small>(MDWL Rated Capacity 763 m<sup>3</sup>/day)</small>
<b>January</b>	116	15.2%	344	45.1%
<b>February</b>	108	14.2%	173	22.7%
<b>March</b>	106	13.9%	192	25.2%
<b>April</b>	108	14.2%	196	25.7%
<b>May</b>	110	14.4%	210	27.5%
<b>June</b>	132	17.3%	231	30.3%
<b>July</b>	155	20.3%	256	33.6%
<b>August</b>	147	19.3%	279	36.6%
<b>September</b>	131	17.2%	267	35.0%
<b>October</b>	142	18.6%	316	41.4%
<b>November</b>	175	22.9%	222	29.1%
<b>December</b>	182	23.9%	220	28.8%

Please refer to Appendix A for the PTTW flow and flow rate data for Well 1 and Well 2.

# Appendix A

## Chatsworth Drinking Water System

Water taking permitted as per PTTW #3802-9L2JFM

Flow & Flowrates for Well 1 & 2

## Facility Flow Summary

Drinking-Water System Number: 210003011  
 Drinking-Water System Name: CHATSWORTH DRINKING WATER SYSTEM  
 Drinking-Water System Owner: Title Holder: Corporation/Company  
 Drinking-Water System Category: Large Municipal Residential  
 Municipal Drinking Water License: 241-102  
 Period being reported: 01/2019 12/2019

### Raw Water

**Raw Water (Source Name)** Well 1  
**Source Type:** Drilled  
**Drinking Water Permit to Take Water No:** 3802-9L2JFM

Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/sec)
Jan	972.00	31.35	212.00	8.30
Feb	15.00	0.58	5.00	8.08
Mar	21.00	0.68	6.00	8.18
Apr	21.00	0.70	6.00	7.96
May	21.80	0.70	5.60	7.96
Jun	17.50	0.58	8.50	8.23
Jul	4565.60	147.28	256.40	8.01
Aug	4547.10	146.68	278.70	7.76
Sep	3906.60	130.22	267.00	7.72
Oct	4384.00	141.42	316.00	7.74
Nov	5244.70	174.82	221.50	7.58
Dec	5632.90	181.71	220.40	7.73
<b>Total</b>	29349.20	956.72	1803.10	95.23
<b>Avg</b>	2445.77	79.73	150.26	7.94
<b>Max</b>	5632.90	181.71	316.00	8.30
<b>Criteria</b>			818.20	9.48

## Facility Flow Summary

Drinking-Water System Number: 210003011  
 Drinking-Water System Name: CHATSWORTH DRINKING WATER SYSTEM  
 Drinking-Water System Owner: Title Holder: Corporation/Company  
 Drinking-Water System Category: Large Municipal Residential  
 Municipal Drinking Water License: 241-102  
 Period being reported: 01/2019 12/2019

### Raw Water

**Raw Water (Source Name)** Well 2  
**Source Type:** Drilled  
**Drinking Water Permit to Take Water No:** 3802-9L2JFM

Month	Monthly Flow Total (m3/month)	Daily Flow Average (m3/day)	Daily Flow Maximum (m3/day)	Daily Flow Peak Flow Rate (L/sec)
Jan	2622.00	84.58	344.00	8.45
Feb	3010.10	107.50	171.00	8.29
Mar	3277.00	105.71	191.50	8.36
Apr	3231.90	107.73	196.00	8.64
May	3384.60	112.82	210.00	8.63
Jun	3932.80	131.09	230.00	8.97
Jul	250.40	8.08	211.40	8.32
Aug	17.50	0.56	4.30	8.10
Sep	23.60	0.79	8.00	7.95
Oct	21.40	0.69	13.00	8.08
Nov	11.00	0.37	2.90	8.21
Dec	19.10	0.62	5.60	8.19
<b>Total</b>	19801.40	660.54	1587.70	100.19
<b>Avg</b>	1650.12	55.04	132.31	8.35
<b>Max</b>	3932.80	131.09	344.00	8.97
<b>Criteria</b>			818.20	9.48