



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

SAUGEEN SHORES
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 Town of Saugeen Shores

Summary

This report is a summary of water 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 Saugeen Shores Drinking Water System located in the Town of Saugeen Shores. 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 January 16, 2020 for the period of October 1, 2018 to December 31, 2019. As of the issue date of the Schedule 22 Summary Report (March 6, 2020), 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:

- Instances of non-compliances are awaiting final results from the MECP Inspection conducted on January 16, 2020.

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.

Reported Non-Compliance(s)	Duration	Required Actions & Corrective Actions
The filter turbidity analyzer on Train #2 had a bulb faulted May 4, 2019 at 11:00h. The control on this analyzer did not display the fault and the fault set the turbidity reading to hold at 0.046 NTU.	83 hours	Corrective Actions: <ul style="list-style-type: none"> • Replaced faulted bulb. • Programmed the analyzer to fault to full scale. • Tested alarm to confirm system shutdown in case of fault.
The September filter backwash Total Suspended Solid (TSS) sample exceeded the limit of 25 mg/L. This sample was collected from the wrong location	1 sample	Corrective Actions: <ul style="list-style-type: none"> • Resampled from the correct location.

For information on any Adverse Water Quality Incident(s), refer to the Saugeen Shores Drinking Water System Annual Report (Section 11) for the reporting period of January 1, 2019 to December 31, 2019.

Assessment of Flowrates and Quantity of Water Supplied

The following tables summarize the quantities (Table 1) and flow rates (Table 2) 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 licence.

As per Municipal Drinking Water License (MDWL) 093-101 (Issue Number: 2), the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed a rated capacity

of 18,000 m³/day. There is no maximum allowable limit listed in the MDWL for the flowrate of water that flows into a treatment subsystem, however, raw water flowrate has been included in this report (Table 3).

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

2019	Treated Water Flow			
	Average Flow (m ³ /day)	Percent of Rated Capacity	Maximum Flow (m ³ /day)	Percent of Rated Capacity
January	4408	24.49%	4922	27.34%
February	4557	25.32%	5279	29.33%
March	4520	25.11%	4750	26.39%
April	4806	26.70%	5552	30.84%
May	5493	30.51%	5983	33.24%
June	6238	34.65%	8006	44.48%
July	8344	46.36%	9354	51.96%
August	7851	43.62%	9084	50.47%
September	6016	33.42%	8593	47.74%
October	4958	27.54%	5623	31.24%
November	4462	24.79%	4933	27.41%
December	4506	25.03%	5020	27.89%

Table 2. Treated Water Monthly Average and Maximum Flowrates for 2019

2019	Treated Water: Zone 1		Treated Water: Zone 2	
	Average Flowrate (l/s)	Maximum Flowrate (l/s)	Average Flowrate (l/s)	Maximum Flowrate (l/s)
January	21	69	30	114
February	21	100	32	119
March	21	69	32	113
April	21	69	35	114
May	25	69	39	117
June	29	69	43	127
July	40	134	56	119
August	39	129	52	146
September	31	100	38	114
October	22	117	35	121
November	21	87	31	115
December	21	70	32	115

Table 3. Raw Water Monthly Average and Maximum Flowrates for 2019

2019	Raw Water	
	Average Flowrate (l/s)	Maximum Flowrate (l/s)
January	58	192
February	60	217
March	59	216
April	64	238
May	71	215
June	81	207
July	107	240
August	100	233
September	78	228
October	62	223
November	58	219
December	58	221