



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

SHALLOW LAKE
DRINKING WATER SYSTEM

Large Municipal Residential

SCHEDULE 22
SUMMARY REPORT

For the period of
JANUARY 1, 2017 TO DECEMBER 31, 2017

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, 2017 to December 31, 2017 for the Shallow Lake Drinking Water System located in the Township of Georgian Bluffs. 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 MOECC Drinking Water System Inspection was performed on April 11, 2017. On April 26, 2017 the report for this inspection was issued, the Shallow Lake Drinking Water System received an inspection rating of 100%.

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	Corrective Action(s)
<p>Weekly Treated Water (TW) heterotrophic plate count (HPC) sample date did not meet the requirements of a weekly sample as it was not taken at least five days after the previous weekly sample</p> <p>Laboratory equipment failure on Monday's samples required operators to resample (Thursday). Operators took the next samples on Monday (4 days later, not meeting the regulation of a weekly sample 5 to 10 days)</p>	<p>March 27, 2017 Weekly TW Sample</p>	<p>Corrective Actions:</p> <ul style="list-style-type: none"> • Reviewed the requirements as per O.Reg 170/03 for frequency and sampling and equipment checks with Operations Staff at the next staff meeting. • Reviewed with staff where the most recent copy of O.Reg 170/03 can be found (a copy is on the Shared Drive and can be found online). <p>Reviewed the summary of the frequency and sampling and equipment checks which is provided on the sampling schedule.</p>

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 summarize 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 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) 083-102 (Issue Number: 2, expires August 22, 2021), the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed a rated capacity of 696 m³/day.

Table 1. Treated Water Monthly Average and Maximum Daily Flows and Comparison to Rated Capacity for 2017

2017	Treated Water			
	Average Flow (m ³ /day)	Percent of Rated Capacity	Maximum Flow (m ³ /day)	Percent of Rated Capacity
January	93.97	13.50%	133	19.11%
February	79.79	11.46%	98.9	14.21%
March	76.74	11.03%	95.6	13.74%
April	78.37	11.26%	92.7	13.32%
May	83	11.93%	115.9	16.65%
June	85.6	12.30%	123	17.67%
July	85.75	12.32%	112.5	16.16%
August	79.11	11.37%	93	13.36%
September	98.11	14.10%	123.2	17.70%
October	82.32	11.83%	109	15.66%
November	82.4	11.84%	102.5	14.73%
December	90.46	13.00%	108.5	15.59%