

SUMMARY REPORT 2019
For the Town of Lakeshore Water Supply System
Stoney Point Water Service Area

(Made under Schedule 22 of Ontario Regulation 170/03, a regulation
made under the Safe Drinking Water Act, 2002)

Explanation

Schedule 22 of Ontario Regulation 170/03, a regulation made under the Safe Drinking Water Act, 2002 requires that a large municipal residential drinking-water system must provide to its board members a Summary Report on various aspects of the system before March 31 of the following year. The Stoney Point Water Service Area is classed as a large municipal residential drinking-water system and is therefore subject to Schedule 22.

The Summary Report must list the following:

- The requirements of the Safe Drinking Water Act, 2002 that the system failed to meet during the period covered by the Summary Report
- The requirements of the regulations made under the Safe Drinking Water Act, 2002 that the system failed to meet during the period covered by the Summary Report
- The drinking-water systems approval that the system failed to meet during the period covered by the Summary Report
- Any order that the system failed to meet during the period covered by the Summary Report, the duration of any such failure and any measures that were taken to correct such failure
- A summary of the quantities and flow rates of water supplied by the drinking-water system by monthly average and maximum daily flow rates and instantaneous peak flow rates
- A comparison of actual flow rates with rated capacity and flow rates in the systems approval
- Minutes of the Management Review Meetings held by the Operating Authority

A drinking-water system that supplies water to a municipality must provide a copy of the Summary Report to the municipality by March 31 of the year following the year covered in the Summary Report.

Failure to meet the requirements of the Safe Drinking Water Act 2002, associated regulations, system approvals and provincial officer orders

The table below lists the occasions on which the Stoney Point Water Service Area failed to meet the requirements of the Safe Drinking Water Act 2002, associated regulations, system approvals and provincial officer orders in 2019.

There were **no** occasions in 2019 when the Stoney Point Water Service Area was not in compliance with the requirements of the Safe Drinking Water Act 2002, associated regulations, system approvals and provincial officer orders.

Stoney Point Water Service Area

Drinking Water Legislation	List the requirement(s) the system failed to meet	Specify the duration of the failure (i.e. date(s))	Describe the measures taken to correct the failure	Status (complete or outstanding)
Safe Drinking Water Act	None			
Ontario Regulations	None			
System Certificate of Approval or Drinking Water Works Permit	None			
Provincial Officer's Order	None			

A Summary of the Quantities and Flow Rates of Water Supplied During the Period Covered by the Report, Including Monthly Average and Maximum Daily Flows, and Daily Instantaneous Peak Flow Rates

The Stoney Point Water Service Area operated under the following Permit to Take Water (PTTW) in 2019:

PTTW Number 2373-87MHXB issued on July 30, 2010 has the following flow conditions

- Maximum Allowable Amount Taken per Minute (Litres/Min) **3,180**
- Maximum Allowable Amount Taken Per Day (Litres/Day) **4,600,000**

The maximum amounts of raw water taken during 2019 are as follows:

- Maximum Amount Taken per Minute in 2019 (Litres/Min) **2, 970 (July 7, 2019)**
- Maximum Amount Taken Per Day in 2019 (Litres/Day) **2, 591,000 (August 31, 2019)**

The system did not exceed the PTTW limits in 2019.

The Stoney Point Water Service Area operated under Drinking Water Works Permit #301-201 and Municipal Drinking Water Licence #031-101 during 2019:

The Drinking Water Works Licence has the following flow conditions:

- The maximum daily volume of treated water that flows from the treatment subsystem to the distribution subsystem shall not exceed **4,545 m³/day**.
- The maximum daily volume of water pumped into the distribution system in 2019 was **2, 456 m³/day (August 31, 2019)**.

The following tables (Table 1 & Table 2) give the monthly average, maximum and peak raw water and treated water flows for the Stoney Point Water Service Area.

Table 1 Raw Flow Data (flow into the treatment system) in 2019

Month	Maximum Allowed Flow Rate (m³/Day)	Average Flow (m³/Day)	Maximum Flow (m³/Day)	Maximum Allowed Flow Rate (Litres/Minute)	Peak Flow (Litres/Minute)
January	4,600	1,575	1,760	3,180	1,434
February	4,600	1,591	1,868	3,180	1,464
March	4,600	1,575	1,658	3,180	1,386
April	4,600	1,664	2,203	3,180	1,794
May	4,600	1,683	2,296	3,180	1,602
June	4,600	1,867	2,504	3,180	1,902
July	4,600	2,092	2,538	3,180	2,970
August	4,600	2,292	2,592	3,180	2,010
September	4,600	2,229	2,558	3,180	2,064
October	4,600	1,743	2,252	3,180	1,710
November	4,600	1,381	1,596	3,180	1,302
December	4,600	1,399	1,571	3,180	2,850

Table 2 Treated Flow Data (flow into the distribution system) in 2019

Month	Maximum Allowed Flow Rate (m³/Day)	Average Daily Flow (m³/Day)	Maximum Daily Flow (m³/Day)	Peak Flow (Litres/Minute)
January	4,545	1,391	1,529	2,094
February	4,545	1,428	1,734	2,124
March	4,545	1,424	1,583	2,160
April	4,545	1,493	1,867	3,840
May	4,545	1,575	2,062	3,468
June	4,545	1,783	2,264	3,876
July	4,546	2,011	2,451	3,678
August	4,546	2,183	2,456	4,152
September	4,546	2,118	2,397	3,294
October	4,546	1,667	2,102	3,108
November	4,546	1,292	1,517	3,180
December	4,546	1,303	1,442	2,706