

# Town of Aurora Drinking Water Distribution System

## Drinking Water Systems Regulation O. Reg. 170/03

**\*MODIFIED\* OPTIONAL ANNUAL REPORT TEMPLATE**

<b>Drinking-Water System Number:</b>	260003227
<b>Drinking-Water System Name:</b>	<b>Aurora Drinking Water Distribution System</b>
<b>Drinking-Water System Owner:</b>	The Corporation of The Town of Aurora
<b>Drinking-Water System Category:</b>	Large Municipal Residential System
<b>Period being reported:</b>	January 1, 2019 to December 31, 2019

**Town of Aurora's drinking water system is registered as Large Municipal Residential Systems**

**The Aurora Drinking Water System serves more than 10,000 people.**

**This annual report is available to the public at no charge on the Town's web site and upon request.**

**Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection:**

The Town of Aurora  
 100 John West Way, Box 1000  
 Aurora Ontario L4G 6J1

[www.aurora.ca](http://www.aurora.ca)

**List all Drinking Water Systems which receive their drinking water from York your system:**

<b>Drinking Water System Name</b>	<b>Drinking Water System Number</b>

**A copy of Town of Aurora's annual report was provided to York Region Drinking Water System owner from which the drinking water is obtained.**

**System users were notified that Town of Aurora's annual report is available free of charge by public access and notice through:**

- Town's website
- Municipal Government Office
- Public Request at any time

# Town of Aurora Drinking Water Distribution System

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### Description of the Aurora Drinking Water Distribution System

The Town of Aurora's water supply is a blended combination of ground water and surface water. York Region is the wholesale supplier of water to The Town of Aurora. York Region is responsible for the water supply, production, treatment, storage and trunk distribution.

In regards to the ground water, York Region operates seven production wells in Aurora, which range in depth from 98 to 104 meters. In respect to the surface water portion of the supply, the Town currently receives Lake Ontario surface water from two supply sources, the City of Toronto supply and the Region of Peel feed.

The Town owns and operates the distribution network, which includes the watermain piping, booster station, fire hydrants, bulk water filling station, service connections and meters. Aurora's distribution network, which provides water to the consumer, is divided into five pressure districts with pressures varying between 40-100 psi.

The Town's system is comprised of approximately 233 kilometers of watermain, located typically on local roads. The watermain pipe materials consist of ductile iron (55%), cast iron (5%), and PVC (40%).

### List all water treatment chemicals used over this reporting period

Not applicable; Treatment chemicals are introduced at various sources by the City of Toronto, Peel Region and York Region only.

### Were any significant expenses incurred to?

- Install required equipment
- Repair required equipment
- Replace required equipment

### Brief description and breakdown of monetary expenses incurred

Hydrant maintenance	=\$ 50000
Water Booster Station maintenance	=\$ 24206
Water Box repairs	=\$ 29100
Emergency repairs	=\$ 98600

### Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date and Location	Parameter	Result	Unit of Measure	Corrective Action and Result	Corrective Action Date
June 24, 2019 (AWQI # 145835)	Total Coliforms	P	P/A	Flush main and resample	June 25, 2019
Sept 30, 2019 (AWQI # 148323)	Total Coliforms	P	P/A	Flush main and resample	October 1, 2019

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Incident Date and Location	Parameter	Result	Unit of Measure	Corrective Action and Result	Corrective Action Date
Oct 21, 2019 (AWQI # 148686)	Total Coliforms	P	P/A	Flush main and resample	October 22, 2019

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

	Number of Samples	Range of E.Coli Or Fecal Results (min)-(max)	Range of Total Coliform Results (min)-(max)	Number of HPC Samples	Range of HPC Results (min)-(max)
Raw	N/A	N/A	N/A	N/A	N/A
Treated	N/A	N/A	N/A	N/A	N/A
Distribution	969	0-P	0-P	450	0-71

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during this reporting period

	Number of Grab Samples	Range of Results (min #)-(max #)	Unit of Measure	<i>NOTE: For continuous monitors use 8760 as the number of samples.</i>
Turbidity (treated)	Not Applicable			
Chlorine (combined)	1169	Free: 0 - 0.19 Total: 0.89 - 3.6	mg/L	
Fluoride (If the DWS provides fluoridation)	Not Applicable			

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
Not Applicable				

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony				
Arsenic				
Barium				
Boron				
Cadmium				

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Chromium				
*Lead				
Mercury				
Selenium				
Sodium				
Uranium				
Fluoride				
Nitrite	Oct 7, 2019	<0.05	mg/L	No
Nitrate	Oct 7, 2019	<0.5	mg/L	No

\*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

### Summary of lead testing under Schedule 15.1 during this reporting period

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min) – (max)	Unit of Measure	Number of Exceedances
Plumbing	0	NA	mg/L	0
Distribution	16	<0.0005	mg/L	0

### Summary of Organic parameters sampled during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
HAA (annual average)	quarterly	2.175	ug/l	No
THM (annual average)	quarterly	21.18	ug/l	No

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample
N/A			

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards

Parameter	Result Value	Unit of Measure	Date of Sample
N/A			