

# Laurentian Park Drinking Water System

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Waterworks # 260090012  
System Category – Small Municipal Residential

## Annual Water Report

Prepared For: Champlain Township

Reporting Period of January 1<sup>st</sup> – December 31<sup>st</sup> 2020

Issued: January 22<sup>nd</sup>, 2021

Revision: 0

Operating Authority:



This report has been prepared to satisfy the annual reporting requirements in O.Reg 170/03 Section 11 and Schedule 22

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## Report Availability

This system does not serve more than 10,000 residence and the annual reports will be available to residents on the Champlain Township website.

## Compliance Report Card

Compliance Event	# of Events
Ministry of Environment Inspections	1
Ministry of Labour Inspections	0
QEMS External Audit	1
AWQI's/BWA	1
Non-Compliance	0
Community Complaints	1
Spills	0
Watermain Breaks	0

## System Process Description

### Treatment & Distribution

Laurentian Park water distribution system is a stand alone distribution system, receiving treated water from the Hawkesbury Water Treatment Plant.

The system consists of the following: watermains on Laval Place, Des Cedre Street, Ascension Street, Maple Street, and Orchard Road.

The transmission line operates under Drinking Water License Number 174-103 & Drinking Water Works Permit Number 174-203.

### *Treatment Chemicals used during the reporting year:*

Chemical Name	Use	Supplier
N/A		

## Summary of Non-Compliance

### Adverse Water Quality Incidents

Date	AWQI #	Location	Problem	Legislation	Corrective Action Taken
08-Sept-20	151959	2 Laval	1 Total Coliform	O. Reg. 170/03	Flush – Resample - Retest

### Non-Compliance

Legislation	requirement(s) system failed to meet	duration of the failure (i.e. date(s))	Corrective Action	Status
There were no non-compliance issues reported during the reporting period.				

### Non-Compliance Identified in a Ministry Inspection:

Legislation	requirement(s) system failed to meet	duration of the failure (i.e. date(s))	Corrective Action	Status
There were no non-compliance issues identified in a Ministry Inspection				

## Flows

There is no flow meter for this system. Total flows, for billing purposes, are taken from household meters.

## Regulatory Sample Results Summary

### Microbiological Testing

	No. of Samples Collected	Range of E.Coli Results		Range of Total Coliform Results		No. of Samples Collected	Range of HPC Results	
		Min	Max	Min	Max		Min	Max
Distribution Water	55	0	0	0	1	53	<2	2

### Operational Testing

	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Free Chlorine Residual, DW Field (mg/L) - DW	119	0.16	0.86

### Schedule 15 Sampling:

The Schedule 15 Sampling is required under O.Reg 170/03. This system is under reduced sampling. No plumbing samples were collected.

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (mg/L)	Number of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	1	2	16	27	N/A	N/A
pH	1	2	7.4	7.7	N/A	N/A
Lead (mg/L)	1	2	N/A	N/A	0.01	N/A

## Organic Parameters

These parameters were tested quarterly as a requirement under O.Reg 170/03.

	Most Recent Sample Date (yyyy/mm/dd)	4Q Running Average	MAC	Number of Exceedances	
				MAC	1/2 MAC
<b>Distribution Water</b>					
Trihalomethane: Total (ug/L) Annual Average - DW	2019/10/05	47.8	100	No	No
Haloacetic Acids: Total (ug/L) Annual Average – DW	2019/10/05	43.7	80	No	Yes

MAC = Maximum Allowable Concentration as per O.Reg 169/03

BDL = Below the laboratory detection level

## Additional Legislated Samples

There was no additional sampling required.

## Major Maintenance Summary

### Distribution Maintenance

Date	Location Reference	Details
May/Jun-20	WDS	Semi-annual flushing of distribution system fire hydrants.
Jul-20	WDS	Hydra Spec onsite to inspect fire hydrants.
Aug-20	WDS	ZT restoration onsite to paint fire hydrants.
20-Oct-20	WDS	Semi-Annual flushing and winterization of distribution system fire hydrants.