

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

**Part III Form 2**  
**Section 11. ANNUAL REPORT.**

<b>Drinking-Water System Number:</b>	<b>220001183</b>
<b>Drinking-Water System Name:</b>	Orillia Drinking Water System
<b>Drinking-Water Licence Number:</b>	Licence Number: 125-101, Issue # 3
<b>Drinking-Water Works Permit:</b>	Permit Number: 125-102, Issue # 2
<b>Drinking-Water System Owner:</b>	The Corporation of the City of Orillia
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2017 – December 31, 2017

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p><b>Does your Drinking-Water System serve more than 10,000 people? Yes [X] No [ ]</b></p> <p><b>Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No [ ]</b></p> <p><b>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</b></p> <div style="border: 1px solid black; padding: 5px;">                 City of Orillia                  City Centre, 3<sup>rd</sup> Floor Reception                  50 Andrew St. S., Suite 300                  Orillia, ON L3V 7T5             </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p><b>Number of Designated Facilities served:</b></p> <div style="border: 1px solid black; padding: 2px; width: fit-content;">N/A</div> <p><b>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ ] No [N/A]</b></p> <p><b>Number of Interested Authorities you report to:</b></p> <div style="border: 1px solid black; padding: 2px; width: fit-content;">N/A</div> <p><b>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ ] No [N/A]</b></p>
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**Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

**List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:**

Drinking Water System Name	Drinking Water System Number
N/A	

**Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water? Yes [ ] No [X\*]**

\*Not Applicable

**Indicate how you notified system users that your annual report is available, and is free of charge.**

**Public access/notice via the web**

**Public access/notice via Government Office**

**Public access/notice via Public Request**

**Describe your Drinking-Water System**

The Orillia Water Filtration Plant (WFP) is designed to obtain raw water from a surface source (Lake Couchiching) and from two groundwater sources (wells).

Lake Couchiching is a relatively shallow lake with a maximum depth of 12 metres and an average depth of 6 metres. The intake for the plant is located approximately 374 metres from shore and 3.3 metres below the surface.

Well #1 and Well #2 with a combined capacity of 5,762 m<sup>3</sup>/day are located within 160 metres of the Lake Couchiching shore and are approximately 170 metres apart. The raw water from the two wells is pumped initially to an Air Stripping process for the removal of trichloroethylene (TCE) and tetrachloroethylene (PCE). The processed raw water is then gravity fed to the plant.

The raw water intake pipe extends into Lake Couchiching and begins at a concrete filled wooden cribbed structure. There is also an 85 m long raw water intake pipe which can be used if required in an emergency. Raw chlorinated water (pre-chlorinated for zebra mussel control May – October) flows by gravity to the wet well of the low-lift pumping station in the plant which has a firm capacity of 27,280 m<sup>3</sup>/day and an effective storage volume of 112.3 m<sup>3</sup>. There are three vertical dry pit low-lift pumps rated at 105 l/s and one standby vertical dry pit low-lift pump rated at 157.8 l/s. The pump station is also equipped with two stationary screens and one traveling screen.

Flash mixing of coagulant (poly aluminum chloride) occurs prior to three parallel concrete flocculation tanks. In October 2013 a polymer (Magnafloc LT7992) was permanently added as an aid to the coagulation process.

The filter system is comprised of four dual media (Granular Activated Carbon and Sand) filters equipped with a manual and automatic backwash system, backwash troughs and backwash holding tanks. Filters #1 and #2 have a surface wash/underdrain system and Filters #3 and #4 have an air scour/underdrain system. Backwash water goes to the holding tank and then to sanitary sewer. Ripening of the filters (filter-to-waste) goes back to the low-lift.

Filter effluent flows by gravity into chlorine contact chambers #1 and #2, then flows to clear well #1 and #2. The high-lifts draw from the clearwells #1 and #2 and feed the distribution system. Three vertical turbine pumps discharge to Zone 1 of the distribution system and three vertical turbine pumps discharge to Zone 2 of the distribution system.

When the two wells are online, water is pumped through the Air Stripping process and the water flows by gravity to the plant filter effluent collection conduit where it is blended with plant process water and treated with chlorination and UV disinfection prior to being pumped to the distribution system.

Chemical disinfection consists of three gas chlorinators (two duty and one stand-by) with individual discharge lines connected to the system so that pre and post chlorination can be practiced. Two 0.909 tonne cylinders are kept on-line at all times with two vacuum regulators and an automatic cylinder switchover system. The cylinders are kept within the storage area that is equipped with a scale for the measurement of chlorine gas utilized in the disinfection process. There are two additional post-post chlorinators provided (one for each zone), for chlorination control prior to entering the distribution system. In addition, three flow-through Ultra-Violet (UV) reactors (two duty and one stand-by) are used for disinfection.

The treatment plant and pumping facilities are equipped with back-up power from an 820 kW Diesel Engine Prime Power Generator Set and its associated equipment.

West Orillia Well is a groundwater supply with chlorination treatment rated at a maximum daily flow of 6,550 m<sup>3</sup>/day.

The City of Orillia distribution system services a population of approximately 31,000 that are comprised of residential, commercial and industrial consumers.

The distribution system has three storage facilities as described below which were designed to provide peak hour water demand equalization and fire and emergency storage.

Zone 3 Booster Station boosts the pressure within the Zone 3 perimeter. The station is equipped with two (2) Booster Pumps a duty and standby and two (2) High Flow Pumps a duty and standby. The station is equipped with a 175kW standby generator. There are four (4) pressure relief valves between Zone 2 and Zone 3, one located in the Booster Station, one on Monarch Drive, Stoneridge Boulevard and Annalyse Drive.

Harvie Hill Tower is a reinforced concrete reservoir located on Harvie Settlement Road on the west side of Highway 11. This tower supplies water to Zone 2 of the distribution system and has a capacity of 7,783 m<sup>3</sup>.

The Rosemary Road Reservoirs consist of two reinforced concrete cylindrical reservoirs located on Rosemary Road, just west of Westmount Drive North. The reservoirs are joined and have capacities of 1,363 m<sup>3</sup> and 9,090 m<sup>3</sup>.

There are over 166 kilometers of various sized water mains, 906 City-owned fire hydrants and just over 10,600 metered service accounts.

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

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

Water Filtration Plant – Chlorine, Polyaluminum Chloride, Magnafloc LT7992  
 West Orillia Well - Flochem 12 (Sodium Hypochlorite)  
 Water Distribution – Flochem 12 (Sodium Hypochlorite), Dechloro Pucks (Sodium Thiosulphate)

**Were any significant expenses incurred to?**

- [Yes] High lift Pump Pressure Relief Valves (PRV) (6)
- [Yes] Granular Activated Carbon Replacement (GAC)
- [Yes] Chlorinators (2) & Chlorine Regulators (2)
- [Yes] Power Actuators (6)
- [Yes] West Orillia Well Pump Refurbish
- [Yes] Well 1 & 2 Pump Performance Testing
- [Yes] Harvie Hill Reservoir Inspection, Rosemary Rd. Reservoir Cleaning & Inspection
- [Yes] Ultra Violet (UV) Programmable Logic Controller (PLC) (3)
- [Yes] Waste Pump Refurbish
- [Yes] Low lift Pump Control SCADA Modification
- [Yes] Fiber Optic Communication Upgrade (Diesel Building)
- [Yes] Fiber Optic Communication Upgrade (Water Filtration Plant)

**Please provide a brief description and a breakdown of monetary expenses incurred**

High lift Pump (PRV) \$59,420  
 Replacement (GAC) \$169,800  
 Chlorinators & Chlorine Regulators \$21,280  
 Power Actuators (6) \$32,814  
 West Orillia Well Pump Refurbish \$52,094  
 Well 1 & 2 Pump Performance Testing \$16,573  
 Harvie Hill Reservoir Inspection - Rosemary Road Reservoir Cleaning & Inspection \$20,000  
 Ultra Violet (PLC) (3) \$8,500  
 Waste Pump Refurbish \$1,650  
 Low lift Pump SCADA Control Modification \$7,000  
 Fiber Optic Communication Upgrade (Diesel Building) \$17,000  
 Fiber Optic Communication Upgrade (Water Filtration Plant) \$31,800

**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**

AWQI #	Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
132862	April 14, 2017	Contact Chamber Chlorine Residual	0.98	mg/L	Increased chlorine dosage.	April 14, 2017

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

133293	June 5, 2017	West Orillia Well Sodium	21.5	mg/L	None – Regulator Relief	June 5, 2017
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Ref# 2861ALGB8D	Apr 16, 2017	Category 2 watermain break	1.14	mg/L	Flush and sample (0/0/0)	Apr 24, 2017
134959	Aug 3, 2017	Watermain failure with potential contamination	0.98	mg/L	Flush and sample (0/0/0)	Aug 10, 2017
138416	Dec 20, 2017	Category 2 watermain break	0.87	mg/L	Flush and sample (0/0/0)	Dec 22, 2017

### WATER FILTRATION PLANT SAMPLING AND TESTING RESULTS

**Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period for the Orillia Water Filtration Plant.**

Water Filtration Plant Sampling	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples  Background colony counts (CFU/100ml) performed	Range of HPC Results (min #)-(max #)  Range of Background colony counts (CFU/100ml) performed
<b>Raw</b>	52	0 - 14	0 - 206	52 (CFU)	0 - >400 (CFU)
<b>Treated</b>	104	0	0	104 (HPC) 104 (CFU)	<10 – 420 (HPC) 0 - >200 (CFU)
<b>Distribution<sup>1</sup></b>	520	0	0	156 (HPC) 520 (CFU)	<10 - >2000 (HPC) 0 - 39 (CFU)

Note: Distribution sampling results will be duplicated in West Orillia Well reporting of sampling.

**Water Filtration Plant Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.**

Water Filtration Plant Sampling	Number of Grab Samples	Range of Results (min #)-(max #)
<b>Turbidity</b>	8760	(min 0.00) – (max 5.00) NTU
<b>Turbidity</b>	494	(min 0.08) – (max 0.17) NTU
<b>Chlorine - Free –Treated</b>	8760	(min 0.00) – (max 5.00) mg/l
<b>Chlorine - Free –Treated</b>	494	(min 1.20) – (max 2.46) mg/l
<b>Chlorine – Free –Distribution<sup>2</sup></b>	881	(min 0.05) – (max 2.18) mg/l
<b>Fluoride (If the DWS provides fluoridation)</b>		N/A

***NOTE:** Continuous monitoring equipment is recorded as 8760 samples.*

<sup>2</sup> Chlorine – Free – Distribution sampling a tabulation of continuous monitoring, manual chlorine grab samples according to O. Reg. 170 and AQWI sampling requirements. These results are duplicated in the West Orillia Well reporting of sampling.

Note: All continuous monitor min/max numbers provided, have calibration limit results included.

**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
N/A				

### Summary of Inorganic parameters tested during this reporting period or the most recent sample results for the Water Filtration Plant Sampling

\*Annual sampling is completed in June. Nitrate and Nitrite sampling is completed, in March, September, June and December.

Parameter	Sample Date	Result Value	Unit of Measure	Exceedances Reported during 2017 sampling
Antimony	June 05/17	<0.0001	mg/L	None reported
Arsenic	June 05/17	0.0006	mg/L	None reported
Barium	June 05/17	0.058	mg/L	None reported
Boron	June 05/17	0.020	mg/L	None reported
Cadmium	June 05/17	<0.000014	mg/L	None reported
Chromium	June 05/17	<0.002	mg/L	None reported
Fluoride	June 05/17	0.1	mg/L	None reported
Mercury	June 05/17	<0.00002	mg/L	None reported
Nitrite	Feb 27/17	0.2	mg/L	None reported
	June 05/17	<0.1	mg/L	None reported
	Sept 11/17	<0.1	mg/L	None reported
	Dec 05/17	<0.1	mg/L	None reported
Nitrate	Feb 27/17	0.2	mg/L	None reported
	June 05/17	0.7	mg/L	None reported
	Sept 11/17	0.6	mg/L	None reported
	Dec 05/17	0.1	mg/L	None reported
Selenium	June 05/17	<0.001	mg/L	None reported
Sodium	June 05/17	37.5	mg/L	None reported
Uranium	June 05/17	0.00029	mg/L	None reported

### Summary of Lead tested during this reporting period or the most recent sample results for the Distribution System

Lead - distribution	June 05/17	<0.00004	mg/L	None reported
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**Summary of Organic parameters including THMs tested during this reporting period or the most recent sample results for the Water Filtration Plant Sampling cont'd**

Parameter	Sample Date	Result Value	Unit of Measure	Exceedances Reported during 2017 sampling
Alachlor	June 05/17	<0.3	ug/L	None reported
Atrazine + N-dealkylated metabolites	June 05/17	<0.5	ug/L	None reported
Azinphos-methyl	June 05/17	<1	ug/L	None reported
Benzene	June 05/17	<0.5	ug/L	None reported
Benzo(a)pyrene	June 05/17	<0.005	ug/L	None reported
Bromoxynil	June 05/17	<0.3	ug/L	None reported
Carbaryl	June 05/17	<3	ug/L	None reported
Carbofuran	June 05/17	<1	ug/L	None reported
Carbon Tetrachloride	June 05/17	<0.2	ug/L	None reported
Chlorpyrifos	June 05/17	<0.5	ug/L	None reported
Diazinon	June 05/17	<1	ug/L	None reported
Dicamba	June 05/17	<5	ug/L	None reported
1,2-Dichlorobenzene	June 05/17	<0.1	ug/L	None reported
1,4-Dichlorobenzene	June 05/17	<0.2	ug/L	None reported
1,2-Dichloroethane	June 05/17	<0.1	ug/L	None reported
1,1-Dichloroethylene (vinylidene chloride)	June 05/17	<0.1	ug/L	None reported
Dichloromethane	June 05/17	<0.3	ug/L	None reported
2-4 Dichlorophenol	June 05/17	<0.1	ug/L	None reported
2,4-Dichlorophenoxy acetic acid (2,4-D)	June 05/17	<5	ug/L	None reported
Diclofop-methyl	June 05/17	<0.5	ug/L	None reported
Dimethoate	June 05/17	<1	ug/L	None reported
Diuron	June 05/17	<5	ug/L	None reported
Diquat	June 05/17	<5	ug/L	None reported
Glyphosate	June 05/17	<25	ug/L	None reported
Haloacetic Acids	Feb 27/17	34.2	mg/L	None reported
	June 05/17	65.7	mg/L	None reported
	Sept 11/17	34.3	mg/L	None reported
	Dec 05/17	5.3	mg/L	None reported
Malathion	June 05/17	<5	ug/L	None reported
MCPA 2 methyl-4-chlorphenoxyacetic acid	June 05/17	0.00012	ug/L	None reported
Metolachlor	June 05/17	<3	ug/L	None reported
Metribuzin	June 05/17	<3	ug/L	None reported
Monochlorobenzene	June 05/17	<0.2	ug/L	None reported
Paraquat	June 05/17	<1	ug/L	None reported
Pentachlorophenol	June 05/17	<0.1	ug/L	None reported
Phorate	June 05/17	<0.3	ug/L	None reported
Picloram	June 05/17	<5	ug/L	None reported



### Summary of Organic parameters tested during this reporting period or the most recent sample results for the Water Filtration Plant Sampling cont'd

Polychlorinated Biphenyls(PCB)	June 05/17	<0.05	ug/L	None reported
Prometryne	June 05/17	<0.1	ug/L	None reported
Simazine	June 05/17	<0.5	ug/L	None reported
Terbufos	June 05/17	<0.3	ug/L	None reported
Tetrachloroethylene	June 05/17	<0.2	ug/L	None reported
2,3,4,6-Tetrachlorophenol	June 05/17	<0.1	ug/L	None reported
THM – Treated THM - Distribution (NOTE: show latest annual average)	N/A Dec 05/17 (Last Sample Date)	N/A 44.5	ug/L ug/L	None reported
Triallate	June 05/17	<10	ug/L	None reported
Trichloroethylene	June 05/17	0.4	ug/L	None reported
2,4,6-Trichlorophenol	June 05/17	<0.1	ug/L	None reported
Trifluralin	June 05/17	<0.5	ug/L	None reported
Vinyl Chloride	June 05/17	<0.2	ug/L	None reported

**Maximum Acceptable Concentration (MAC):** is defined as acceptable concentration before considered exceedance.

**Method Detection Limit (MDL):** is defined as the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero.

**Aesthetic Objective (AO):** is defined as pertaining to a quality of water that is determined by the senses, e.g., colour, taste, or odour.

#### 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
THM - Distribution	50.9 – 95.4	ug/L	Feb. 27/17 – June 05/17

**(Only if DWS category is large municipal residential, small municipal residential, large municipal non residential, non municipal year round residential, large non municipal non residential)**

**WEST ORILLIA WELL SAMPLING AND TESTING RESULTS**

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

West Orillia Well Sampling	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples Background colony counts (CFU)	Range of HPC and Background Colony Count Results (min #)-(max #)
Raw	30	0	0	0	0
Treated	30	0	0	30	<10 – 680 (HPC)
Distribution <sup>1</sup>	520	0	0	156 (HPC) 520 (CFU)	<10 - >2000 (HPC) 0 - 39 (CFU)

<sup>1</sup> Distribution sampling results will be duplicated in Water Filtration Plant reporting of sampling.

**West Orillia Well Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.**

West Orillia Well Sampling	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity	8760 143	(min 0.00) – (max 2.00) NTU (min 0.05) – (max 0.24) NTU
Chlorine – Free – Treated	8760	(min 0.00) – (max 5.0) mg/l
Chlorine – Free - Treated	143	(min 1.03) – (max 1.86) mg/l
Chlorine – Free –Distribution <sup>2</sup>	881	(min 0.05) – (max 2.18) mg/l
Fluoride (If the DWS provides fluoridation)	0	0

*NOTE: Continuous monitoring equipment is recorded as 8760 samples.*

<sup>2</sup> Chlorine – Free – Distribution sampling a tabulation of continuous monitoring, manual chlorine grab samples according to O. Reg. 170 and AQWI sampling requirements. These results are duplicated in Water Filtration Plant reporting of sampling.

Note: All continuous monitor min/max numbers provided, have calibration limit results included.

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

N/A				

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

### Summary of Inorganic parameters tested during this reporting period or the most recent sample results for the West Orillia Well

\*Annual sampling is typically completed in June on a (36) thirty-six month frequency. The well was out of service in June, the sampling was completed in July. Nitrate and Nitrite sampling is completed, in March, September, June and December.

Parameter	Sample Date	Result Value	Unit of Measure	Exceedances Reported during 2017 sampling
Antimony	June 05/17	<0.0001	mg/L	None reported
Arsenic	June 05/17	0.0003	mg/L	None reported
Barium	June 05/17	0.196	mg/L	None reported
Boron	June 05/17	0.006	mg/L	None reported
Cadmium	June 05/17	<0.000014	mg/L	None reported
Chromium	June 05/17	<0.002	mg/L	None reported
Fluoride	June 05/17	<0.1	mg/L	None reported
Mercury	June 05/17	<0.00002	mg/L	None reported
Nitrite	Feb 27/17	N/A	mg/L	None reported
	June 05/17	<0.1	mg/L	None reported
	Sept 11/17	<0.1	mg/L	None reported
	Dec 05/17	<0.1	mg/L	None reported
Nitrate	Feb 27/17	N/A	mg/L	None reported
	June 05/17	2.7	mg/L	None reported
	Sept 11/17	3.2	mg/L	None reported
	Dec 05/17	3.0	mg/L	None reported
Selenium	June 05/17	<0.001	mg/L	None reported
Sodium	June 05/17	21.5	mg/L	None reported
Uranium	June 05/17	0.00064	mg/L	None reported

### Summary of Organic parameters tested during this reporting period or the most recent sample results for the West Orillia Well Sampling

Parameter	Sample Date	Result Value	Unit of Measure	Exceedances Reported during 2017 sampling
Alachlor	June 05/17	<0.3	ug/L	None reported
Atrazine + N-dealkylated metabolites	June 05/17	<0.5	ug/L	None reported
Azinphos-methyl	June 05/17	<1	ug/L	None reported
Benzene	June 05/17	<0.5	ug/L	None reported
Benzo(a)pyrene	June 05/17	<0.005	ug/L	None reported
Bromoxynil	June 05/17	<0.3	ug/L	None reported
Carbaryl	June 05/17	<3	ug/L	None reported
Carbofuran	June 05/17	<1	ug/L	None reported

**Summary of Organic parameters tested during this reporting period or the most recent sample results for the West Orillia Well Sampling cont'd**

Carbon Tetrachloride	June 05/17	<0.2	ug/L	None reported
Chlorpyrifos	June 05/17	<0.5	ug/L	None reported
Diazinon	June 05/17	<1	ug/L	None reported
Dicamba	June 05/17	<5	ug/L	None reported
1,2-Dichlorobenzene	June 05/17	<0.1	ug/L	None reported
1,4-Dichlorobenzene	June 05/17	<0.2	ug/L	None reported
1,2-Dichloroethane	June 05/17	<0.1	ug/L	None reported
1,1-Dichloroethylene (vinylidene chloride)	June 05/17	<0.1	ug/L	None reported
Dichloromethane	June 05/17	<0.3	ug/L	None reported
2-4 Dichlorophenol	June 05/17	<0.1	ug/L	None reported
2,4-Dichlorophenoxy acetic acid (2,4-D)	June 05/17	<5	ug/L	None reported
Diclofop-methyl	June 05/17	<0.5	ug/L	None reported
Dimethoate	June 05/17	<1	ug/L	None reported
Diuron	June 05/17	<5	ug/L	None reported
Diquat	June 05/17	<5	ug/L	None reported
Glyphosate	June 05/17	<25	ug/L	None reported
Malathion	June 05/17	<5	ug/L	None reported
MCPA 2 methyl-4-chlorphenoxyacetic acid	June 05/17	0.00012	ug/L	None reported
Metolachlor	June 05/17	<3	ug/L	None reported
Metribuzin	June 05/17	<3	ug/L	None reported
Monochlorobenzene	June 05/17	<0.2	ug/L	None reported
Paraquat	June 05/17	<1	ug/L	None reported
Pentachlorophenol	June 05/17	<0.1	ug/L	None reported
Phorate	June 05/17	<0.3	ug/L	None reported
Picloram	June 05/17	<5	ug/L	None reported
Polychlorinated Biphenyls(PCB)	June 05/17	<0.05	ug/L	None reported
Prometryne	June 05/17	<0.1	ug/L	None reported
Simazine	June 05/17	<0.5	ug/L	None reported
Terbufos	June 05/17	<0.3	ug/L	None reported
Tetrachloroethylene	June 05/17	<0.2	ug/L	None reported
2,3,4,6-Tetrachlorophenol	June 05/17	<0.1	ug/L	None reported
Triallate	June 05/17	<10	ug/L	None reported
Trichloroethylene	June 05/17	<0.1	ug/L	None reported
2,4,6-Trichlorophenol	June 05/17	<0.1	ug/L	None reported
Trifluralin	June 05/17	<0.5	ug/L	None reported
Vinyl Chloride	June 05/17	<0.2	ug/L	None reported

**Maximum Acceptable Concentration (MAC):** is defined as acceptable concentration before considered exceedance.

**Method Detection Limit (MDL):** is defined as the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero.

**Aesthetic Objective (AO):** is defined as pertaining to a quality of water that is determined by the senses, e.g., colour, taste, or odour.

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
Sodium	37.5	mg/L	June 05/17

**(Only if DWS category is large municipal residential, small municipal residential, large municipal non residential, non municipal year round residential, large non municipal non residential)**