

# ANNUAL REPORT

ONTARIO REGULATION 170/03  
SECTION 11

## WECA DRINKING WATER SYSTEM



FOR THE PERIOD:  
JANUARY 1, 2019 – DECEMBER 31, 2019

*Prepared for the Corporation of the Township of Adjala-Tosorontio  
by the Ontario Clean Water Agency*



<b>Drinking-Water System Number:</b>	<b>220010048</b>
<b>Drinking-Water System Name:</b>	<b>Weca Drinking Water System</b>
<b>Drinking-Water System Owner:</b>	The Corporation of the Township of Adjala-Tosorontio
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	<b>January 1, 2019 to December 31, 2019</b>

**Does your Drinking-Water System serve more than 10,000 people?**

No

**Is your annual report available to the public at no charge on a web site on the Internet?**

Yes

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

Summary Report is available for inspection at the Township of Adjala-Tosorontio Municipal Office at 7855 Side Road 30, Alliston, ON or on the following website: <http://www.adjtos.ca>

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

<b>Drinking Water System Name</b>	<b>Drinking Water System Number</b>
Not applicable	Not applicable

**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?**

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 a newspaper
- Public access/notice via Public Request
- Public access/notice via a Public Library
- Public access/notice via other method



**Description of Drinking-Water System:**

The Weca water system is classified as a Large Municipal Residential water system with 113 services in the community of Loretto. Water is supplied via two (3) municipal wells and two (3) pumphouses. Inspections and maintenance duties are conducted by Ontario Clean Water Agency staff on a regular basis to maintain compliance with Ontario Regulation 170/03 to ensure that the Weca water supply is safe to drink. *Note: This system was connected with the Loretto Heights Drinking Water System as of December 14, 2018 and will operate under the Weca (Large Municipal Residential) DWS.*

**List of water treatment chemicals used during the reporting period:**

- Sodium Hypochlorite 12% Solution NSF, Primary Disinfection

**Significant expenses incurred to:**

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

**Description of significant expenses incurred:**

1. Completed distribution system.
2. Repaired backflow preventers
3. Replaced chemical dosing pumps
4. Replaced chlorine analyzer
5. Replaced pressure tanks
6. Installed a singer valve and VFD
7. Repaired a service line leak

**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 (yyyy/mm/dd)	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date (yyyy/mm/dd)
2019/04/20	Adverse Observation:	Improper Disinfection		Operator backflushed at Loretto Heights pumphouse and measured distribution chlorine residuals. Immediately restored disinfection as per O. Reg. 17-2 1. was completed by the Operator. No additional instructions were provided by the Public Health Inspector (MOH). Oral and written notifications. AWQI #143895.	2019/05/07

**Table 1: Microbiological testing done under the Schedule 11 of Regulation 170/03 during this reporting period.**

Location	Number of Samples	Range of E. Coli or Fecal Results		Range of Total Coliform Results		Number of HPC Samples	Range of HPC Samples	
		Min	Max	Min	Max		Min	Max
Raw - RW1	52	0	0	0	0	N/A	N/A	N/A
Raw - RW2	52	0	0	0	0	N/A	N/A	N/A
Raw - RW3	52	0	0	0	2	N/A	N/A	N/A
Treated - TW1	52	0	0	0	0	53	0	6

Location	Number of Samples	Range of E. Coli or Fecal Results		Range of Total Coliform Results		Number of HPC Samples	Range of HPC Samples	
		Min	Max	Min	Max		Min	Max
Treated - TW2	52	0	0	0	0	52	0	2
Treated - RW3	52	0	0	0	0	53	0	3
Distribution - DW	97	0	0	0	0	52	0	2000

Note:

- RW1 – Raw Water Well #1
- RW2 – Raw Water Well #2
- RW3 – Raw Water Well #3 (Loretto Heights) [added to Weca DWS as of December 14, 2018]
- TW1 – Treated Water Weca 1 Pumphouse
- TW2 – Treated Water Weca 2 Pumphouse
- TW3 – Treated Water Loretto Heights Pumphouse [added to Weca DWS as of December 14, 2018]

**Table 2: Operational testing done under Schedule 7 of Regulation 170/03 during the period covered by this Annual Report.**

Location & Test	Number of Samples	Range of Results	
		Minimum	Maximum
Turbidity, Raw RW1 (Grab) [NTU]	12	0.41	2.76
Turbidity, Raw RW2 (Grab) [NTU]	12	0.26	2.04
Turbidity, Raw RW3 (Grab) [NTU]	12	0.2	5.22
Turbidity, Treated TW1 (Continuous) [NTU]~	N/A	N/A	N/A
Free Chlorine Residual, Treated TW1 (Continuous) [mg/L]	8760	0 <sup>^</sup>	5.01
Free Chlorine Residual, Treated TW2 (Continuous) [mg/L]	8760	0 <sup>^</sup>	6.0
Free Chlorine Residual, Treated TW3 (Continuous) [mg/L]	8760	0.06 <sup>^</sup>	5.16
Free Chlorine Residual, Treated TW1 (Grab) [mg/L]	168	0.26	6.7
Free Chlorine Residual, Treated TW2 (Grab) [mg/L]	167	0.73	6
Free Chlorine Residual, Treated TW3 (Grab) [mg/L]	169	0.82	8.8
Total Chlorine Residual, Treated TW1 (Grab) [mg/L]	168	0.41	7
Total Chlorine Residual, Treated TW2 (Grab) [mg/L]	167	0.91	6.2
Total Chlorine Residual, Treated TW3 (Grab) [mg/L]	167	1.1	8.9
Free Chlorine Residual, Distribution (Grab) [mg/L]	375	0.8	7.6

Note: The number of samples used for a continuous monitoring unit is 8760.

~ The treated water turbidity analyzer at Weca 1 was removed from service as of June 12, 2018. It is non-regulatory related monitoring equipment so its removal was captured with a Form 2.

<sup>^</sup>The minimum treated free chlorine residual did not result in an Adverse Observation because the well was locked out during the event. Adequate CT achieved.

**Table 3: 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				

**Table 4: Summary of Inorganic parameters tested during this reporting period or the most recent sample results**

Parameter	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Number of Exceedances	
				MAC	½ MAC
Antimony: Sb (µg/L) - TW1	2019/01/21	<MDL 0.02	6.0	No	No
Antimony: Sb (µg/L) - TW2	2019/01/21	<MDL 0.02	6.0	No	No
Antimony: Sb (µg/L) - TW3	2019/01/21	<MDL 0.02	6.0	No	No
Arsenic: As (µg/L) - TW1	2019/01/21	2.0	10.0	No	No
Arsenic: As (µg/L) - TW2	2019/01/21	1.8	10.0	No	No
Arsenic: As (µg/L) - TW3	2019/01/21	8.5	10.0	No	Yes
Barium: Ba (µg/L) - TW1	2019/01/21	134.0	1000.0	No	No
Barium: Ba (µg/L) - TW2	2019/01/21	141.0	1000.0	No	No
Barium: Ba (µg/L) - TW3	2019/01/21	438.0	1000.0	No	No
Boron: B (µg/L) - TW1	2019/01/21	100.0	5000.0	No	No
Boron: B (µg/L) - TW2	2019/01/21	122.0	5000.0	No	No
Boron: B (µg/L) - TW3	2019/01/21	154.0	5000.0	No	No
Cadmium: Cd (µg/L) - TW1	2019/01/21	0.003	5.0	No	No
Cadmium: Cd (µg/L) - TW2	2019/01/21	0.021	5.0	No	No
Cadmium: Cd (µg/L) - TW3	2019/01/21	0.051	5.0	No	No
Chromium: Cr (µg/L) - TW1	2019/01/21	0.11	50.0	No	No
Chromium: Cr (µg/L) - TW2	2019/01/21	0.12	50.0	No	No
Chromium: Cr (µg/L) - TW3	2019/01/21	38.5	50.0	No	Yes
Mercury: Hg (µg/L) - TW1	2019/01/21	<MDL 0.01	1.0	No	No
Mercury: Hg (µg/L) - TW2	2019/01/21	<MDL 0.01	1.0	No	No
Mercury: Hg (µg/L) - TW3	2019/01/21	<MDL 0.01	1.0	No	No
Selenium: Se (µg/L) - TW1	2019/01/21	<MDL 0.04	50.0	No	No
Selenium: Se (µg/L) - TW2	2019/01/21	<MDL 0.04	50.0	No	No
Selenium: Se (µg/L) - TW3	2019/01/21	<MDL 0.04	50.0	No	No
Uranium: U (µg/L) - TW1	2019/01/21	0.061	20.0	No	No
Uranium: U (µg/L) - TW2	2019/01/21	0.078	20.0	No	No
Uranium: U (µg/L) - TW3	2019/01/21	0.008	20.0	No	No
Fluoride: F (mg/L) - TW1	2017/01/11	0.25	1.5	No	No
Fluoride: F (mg/L) - TW2	2017/01/11	0.26	1.5	No	No
Fluoride: F (mg/L) - TW3	2017/01/11	0.33	1.5	No	No
Nitrite (mg/L) - TW1	2019/01/07	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW1	2019/04/02	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW1	2019/07/08	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW1	2019/10/07	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW2	2019/01/07	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW2	2019/04/02	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW2	2019/07/08	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW2	2019/10/07	<MDL 0.003	1.0	No	No

Parameter	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Number of Exceedances	
				MAC	½ MAC
Nitrite (mg/L) - TW3	2019/01/07	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW3	2019/04/02	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW3	2019/07/08	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW3	2019/10/07	<MDL 0.003	1.0	No	No
Nitrate (mg/L) - TW1	2019/01/07	0.015	10.0	No	No
Nitrate (mg/L) - TW1	2019/04/02	0.008	10.0	No	No
Nitrate (mg/L) - TW1	2019/07/08	0.011	10.0	No	No
Nitrate (mg/L) - TW1	2019/10/07	0.014	10.0	No	No
Nitrate (mg/L) - TW2	2019/01/07	0.026	10.0	No	No
Nitrate (mg/L) - TW2	2019/04/02	0.02	10.0	No	No
Nitrate (mg/L) - TW2	2019/07/08	0.019	10.0	No	No
Nitrate (mg/L) - TW2	2019/10/07	0.019	10.0	No	No
Nitrate (mg/L) - TW3	2019/01/07	0.017	10.0	No	No
Nitrate (mg/L) - TW3	2019/04/02	0.015	10.0	No	No
Nitrate (mg/L) - TW3	2019/07/08	0.017	10.0	No	No
Nitrate (mg/L) - TW3	2019/10/07	0.008	10.0	No	No
Sodium: Na (mg/L) - TW1	2017/01/18	44.3	20*	Yes	Yes
Sodium: Na (mg/L) - TW2	2017/01/18	51.8	20*	Yes	Yes
Sodium: Na (mg/L) - TW3	2017/01/18	47.7	20*	Yes	Yes

Note: MDL = Minimum Detection Limit

\*There is no "MAC" for Sodium. The aesthetic objective is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

**Table 5: Summary of lead testing under Schedule 15.1 during this reporting period**

Location Type	Number of Samples	Range of Lead Results		MAC	Number of Exceedances
		Minimum	Maximum		
Lead – Plumbing (µg/L)	Not Applicable - Relief from all Plumbing Requirements*				
Lead – Distribution** (µg/L)	Not Applicable for Reporting Period				

Note: The Alkalinity results for 2019 were 189, 198, 199, and 201 mg/L as CaCO<sub>3</sub>.

\*This system qualifies for the plumbing exemption as per O. Regulation 170/03 Schedule 15.1-5 (9) (10).

\*\*Distribution lead samples are taken every 36 months. The next set of distribution lead samples is scheduled for 2021.

**Table 6: Summary of Organic parameters sampled during this reporting period or the most recent sample results**

Parameter	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Number of Exceedances	
				MAC	½ MAC
Alachlor (µg/L) - TW1	2019/01/21	<MDL 0.02	5.0	No	No
Alachlor (µg/L) - TW2	2019/01/21	<MDL 0.02	5.0	No	No
Alachlor (µg/L) - TW3	2018/11/27	<MDL 0.02	5.0	No	No
Atrazine + N-dealkylated metabolites (µg/L) - TW1	2019/01/21	<MDL 0.01	5.0	No	No
Atrazine + N-dealkylated metabolites (µg/L) - TW2	2019/01/21	<MDL 0.01	5.0	No	No
Atrazine + N-dealkylated metabolites (µg/L) - TW3	2018/11/27	<MDL 0.01	5.0	No	No
Azinphos-methyl (µg/L) - TW1	2019/01/21	<MDL 0.05	20.0	No	No
Azinphos-methyl (µg/L) - TW2	2019/01/21	<MDL 0.05	20.0	No	No
Azinphos-methyl (µg/L) - TW3	2018/11/27	<MDL 0.05	20.0	No	No
Benzene (µg/L) - TW1	2019/01/21	<MDL 0.32	1.0	No	No
Benzene (µg/L) - TW2	2019/01/21	<MDL 0.32	1.0	No	No
Benzene (µg/L) - TW3	2018/11/27	<MDL 0.32	1.0	No	No
Benzo(a)pyrene (µg/L) - TW1	2019/01/21	<MDL 0.004	0.01	No	No
Benzo(a)pyrene (µg/L) - TW2	2019/01/21	<MDL 0.004	0.01	No	No
Benzo(a)pyrene (µg/L) - TW3	2018/11/27	<MDL 0.004	0.01	No	No
Bromoxynil (µg/L) - TW1	2019/01/21	<MDL 0.33	5.0	No	No
Bromoxynil (µg/L) - TW2	2019/01/21	<MDL 0.33	5.0	No	No
Bromoxynil (µg/L) - TW3	2018/11/27	<MDL 0.33	5.0	No	No
Carbaryl (µg/L) - TW1	2019/01/21	<MDL 0.05	90.0	No	No
Carbaryl (µg/L) - TW2	2019/01/21	<MDL 0.05	90.0	No	No
Carbaryl (µg/L) - TW3	2018/11/27	<MDL 0.05	90.0	No	No
Carbofuran (µg/L) - TW1	2019/01/21	<MDL 0.01	90.0	No	No
Carbofuran (µg/L) - TW2	2019/01/21	<MDL 0.01	90.0	No	No
Carbofuran (µg/L) - TW3	2018/11/27	<MDL 0.01	90.0	No	No
Carbon Tetrachloride (µg/L) - TW1	2019/01/21	<MDL 0.16	2.0	No	No
Carbon Tetrachloride (µg/L) - TW2	2019/01/21	<MDL 0.16	2.0	No	No
Carbon Tetrachloride (µg/L) - TW3	2018/11/27	<MDL 0.16	2.0	No	No
Chlorpyrifos (µg/L) - TW1	2019/01/21	<MDL 0.02	90.0	No	No
Chlorpyrifos (µg/L) - TW2	2019/01/21	<MDL 0.02	90.0	No	No
Chlorpyrifos (µg/L) - TW3	2018/11/27	<MDL 0.02	90.0	No	No
Diazinon (µg/L) - TW1	2019/01/21	<MDL 0.02	20.0	No	No
Diazinon (µg/L) - TW2	2019/01/21	<MDL 0.02	20.0	No	No
Diazinon (µg/L) - TW3	2018/11/27	<MDL 0.02	20.0	No	No
Dicamba (µg/L) - TW1	2019/01/21	<MDL 0.2	120.0	No	No
Dicamba (µg/L) - TW2	2019/01/21	<MDL 0.2	120.0	No	No
Dicamba (µg/L) - TW3	2018/11/27	<MDL 0.2	120.0	No	No
1,2-Dichlorobenzene (µg/L) - TW1	2019/01/21	<MDL 0.41	200.0	No	No

Parameter	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Number of Exceedances	
				MAC	½ MAC
1,2-Dichlorobenzene (µg/L) - TW2	2019/01/21	<MDL 0.41	200.0	No	No
1,2-Dichlorobenzene (µg/L) - TW3	2018/11/27	<MDL 0.41	200.0	No	No
1,4-Dichlorobenzene (µg/L) - TW1	2019/01/21	<MDL 0.36	5.0	No	No
1,4-Dichlorobenzene (µg/L) - TW2	2019/01/21	<MDL 0.36	5.0	No	No
1,4-Dichlorobenzene (µg/L) - TW3	2018/11/27	<MDL 0.36	5.0	No	No
1,2-Dichloroethane (µg/L) - TW1	2019/01/21	<MDL 0.35	5.0	No	No
1,2-Dichloroethane (µg/L) - TW2	2019/01/21	<MDL 0.35	5.0	No	No
1,2-Dichloroethane (µg/L) - TW3	2018/11/27	<MDL 0.35	5.0	No	No
1,1-Dichloroethylene (µg/L) - TW1	2019/01/21	<MDL 0.33	14.0	No	No
1,1-Dichloroethylene (µg/L) - TW2	2019/01/21	<MDL 0.33	14.0	No	No
1,1-Dichloroethylene (µg/L) - TW3	2018/11/27	<MDL 0.33	14.0	No	No
Dichloromethane (Methylene Chloride) (µg/L) - TW1	2019/01/21	<MDL 0.35	50.0	No	No
Dichloromethane (Methylene Chloride) (µg/L) - TW2	2019/01/21	<MDL 0.35	50.0	No	No
Dichloromethane (Methylene Chloride) (µg/L) - TW3	2018/11/27	<MDL 0.35	50.0	No	No
2,4-Dichlorophenol (µg/L) - TW1	2019/01/21	<MDL 0.15	900.0	No	No
2,4-Dichlorophenol (µg/L) - TW2	2019/01/21	<MDL 0.15	900.0	No	No
2,4-Dichlorophenol (µg/L) - TW3	2018/11/27	<MDL 0.15	900.0	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L) - TW1	2019/01/21	<MDL 0.19	100.0	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L) - TW2	2019/01/21	<MDL 0.19	100.0	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (µg/L) - TW3	2018/11/27	<MDL 0.19	100.0	No	No
Diclofop-methyl (µg/L) - TW1	2019/01/21	<MDL 0.4	9.0	No	No
Diclofop-methyl (µg/L) - TW2	2019/01/21	<MDL 0.4	9.0	No	No
Diclofop-methyl (µg/L) - TW3	2018/11/27	<MDL 0.4	9.0	No	No
Dimethoate (µg/L) - TW1	2019/01/21	<MDL 0.06	20.0	No	No
Dimethoate (µg/L) - TW2	2019/01/21	<MDL 0.06	20.0	No	No
Dimethoate (µg/L) - TW3	2018/11/27	<MDL 0.03	20.0	No	No
Diquat (µg/L) - TW1	2019/01/21	<MDL 1.0	70.0	No	No
Diquat (µg/L) - TW2	2019/01/21	<MDL 1.0	70.0	No	No
Diquat (µg/L) - TW3	2018/11/27	<MDL 1.0	70.0	No	No
Diuron (µg/L) - TW1	2019/01/21	<MDL 0.03	150.0	No	No
Diuron (µg/L) - TW2	2019/01/21	<MDL 0.03	150.0	No	No
Diuron (µg/L) - TW3	2018/11/27	<MDL 0.03	150.0	No	No
Glyphosate (µg/L) - TW1	2019/01/21	<MDL 1.0	280.0	No	No
Glyphosate (µg/L) - TW2	2019/01/21	<MDL 1.0	280.0	No	No
Glyphosate (µg/L) - TW3	2018/11/27	<MDL 1.0	280.0	No	No
Malathion (µg/L) - TW1	2019/01/21	<MDL 0.02	190.0	No	No
Malathion (µg/L) - TW2	2019/01/21	<MDL 0.02	190.0	No	No



Parameter	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Number of Exceedances	
				MAC	½ MAC
Malathion (µg/L) - TW3	2018/11/27	<MDL 0.02	190.0	No	No
Metolachlor (µg/L) - TW1	2019/01/21	<MDL 0.01	50.0	No	No
Metolachlor (µg/L) - TW2	2019/01/21	<MDL 0.01	50.0	No	No
Metolachlor (µg/L) - TW3	2018/11/27	<MDL 0.01	50.0	No	No
Metribuzin (µg/L) - TW1	2019/01/21	<MDL 0.02	80.0	No	No
Metribuzin (µg/L) - TW2	2019/01/21	<MDL 0.02	80.0	No	No
Metribuzin (µg/L) - TW3	2018/11/27	<MDL 0.02	80.0	No	No
Monochlorobenzene (Chlorobenzene) (µg/L) - TW1	2019/01/21	<MDL 0.3	80.0	No	No
Monochlorobenzene (Chlorobenzene) (µg/L) - TW2	2019/01/21	<MDL 0.3	80.0	No	No
Monochlorobenzene (Chlorobenzene) (µg/L) - TW3	2018/11/27	<MDL 0.3	80.0	No	No
Paraquat (µg/L) - TW1	2019/01/21	<MDL 1.0	10.0	No	No
Paraquat (µg/L) - TW2	2019/01/21	<MDL 1.0	10.0	No	No
Paraquat (µg/L) - TW3	2018/11/27	<MDL 1.0	10.0	No	No
PCB (µg/L) - TW1	2019/01/21	<MDL 0.04	3.0	No	No
PCB (µg/L) - TW2	2019/01/21	<MDL 0.04	3.0	No	No
PCB (µg/L) - TW3	2018/11/27	<MDL 0.04	3.0	No	No
Pentachlorophenol (µg/L) - TW1	2019/01/21	<MDL 0.15	60.0	No	No
Pentachlorophenol (µg/L) - TW2	2019/01/21	<MDL 0.15	60.0	No	No
Pentachlorophenol (µg/L) - TW3	2018/11/27	<MDL 0.15	60.0	No	No
Phorate (µg/L) - TW1	2019/01/21	<MDL 0.01	2.0	No	No
Phorate (µg/L) - TW2	2019/01/21	<MDL 0.01	2.0	No	No
Phorate (µg/L) - TW3	2018/11/27	<MDL 0.01	2.0	No	No
Picloram (µg/L) - TW1	2019/01/21	<MDL 1.0	190.0	No	No
Picloram (µg/L) - TW2	2019/01/21	<MDL 1.0	190.0	No	No
Picloram (µg/L) - TW3	2018/11/27	<MDL 1.0	190.0	No	No
Prometryne (µg/L) - TW1	2019/01/21	<MDL 0.03	1.0	No	No
Prometryne (µg/L) - TW2	2019/01/21	<MDL 0.03	1.0	No	No
Prometryne (µg/L) - TW3	2018/11/27	<MDL 0.03	1.0	No	No
Simazine (µg/L) - TW1	2019/01/21	<MDL 0.01	10.0	No	No
Simazine (µg/L) - TW2	2019/01/21	<MDL 0.01	10.0	No	No
Simazine (µg/L) - TW3	2018/11/27	<MDL 0.01	10.0	No	No
Terbufos (µg/L) - TW1	2019/01/21	<MDL 0.01	1.0	No	No
Terbufos (µg/L) - TW2	2019/01/21	<MDL 0.01	1.0	No	No
Terbufos (µg/L) - TW3	2018/11/27	<MDL 0.01	1.0	No	No
Tetrachloroethylene (µg/L) - TW1	2019/01/21	<MDL 0.35	10.0	No	No
Tetrachloroethylene (µg/L) - TW2	2019/01/21	<MDL 0.35	10.0	No	No
Tetrachloroethylene (µg/L) - TW3	2018/11/27	<MDL 0.35	10.0	No	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW1	2019/01/21	<MDL 0.2	100.0	No	No

Parameter	Sample Date (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Number of Exceedances	
				MAC	½ MAC
2,3,4,6-Tetrachlorophenol (µg/L) - TW2	2019/01/21	<MDL 0.2	100.0	No	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW3	2018/11/27	<MDL 0.2	100.0	No	No
Triallate (µg/L) - TW1	2019/01/21	<MDL 0.01	230.0	No	No
Triallate (µg/L) - TW2	2019/01/21	<MDL 0.01	230.0	No	No
Triallate (µg/L) - TW3	2018/11/27	<MDL 0.01	230.0	No	No
Trichloroethylene (µg/L) - TW1	2019/01/21	<MDL 0.44	5.0	No	No
Trichloroethylene (µg/L) - TW2	2019/01/21	<MDL 0.44	5.0	No	No
Trichloroethylene (µg/L) - TW3	2018/11/27	<MDL 0.44	5.0	No	No
2,4,6-Trichlorophenol (µg/L) - TW1	2019/01/21	<MDL 0.25	5.0	No	No
2,4,6-Trichlorophenol (µg/L) - TW2	2019/01/21	<MDL 0.25	5.0	No	No
2,4,6-Trichlorophenol (µg/L) - TW3	2018/11/27	<MDL 0.25	5.0	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW1	2019/01/21	<MDL 0.12	100.0	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW2	2019/01/21	<MDL 0.12	100.0	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (µg/L) - TW3	2018/11/27	<MDL 0.12	100.0	No	No
Trifluralin (µg/L) - TW1	2019/01/21	<MDL 0.02	45.0	No	No
Trifluralin (µg/L) - TW2	2019/01/21	<MDL 0.02	45.0	No	No
Trifluralin (µg/L) - TW3	2018/11/27	<MDL 0.02	45.0	No	No
Vinyl Chloride (µg/L) - TW1	2019/01/21	<MDL 0.17	1.0	No	No
Vinyl Chloride (µg/L) - TW2	2019/01/21	<MDL 0.17	1.0	No	No
Vinyl Chloride (µg/L) - TW3	2018/11/27	<MDL 0.17	1.0	No	No
Trihalomethane: Total Annual Average (µg/L) - DW (Weca)	4 Quarters of 2019	83.5	100.00	No	Yes
Trihalomethane: Total Annual Average (µg/L) - DW (Loretto Heights)	4 Quarters of 2019	54.75	100.00	No	Yes
Haloacetic Acid: Total Annual Average (µg/L) - DW (Weca)	4 Quarters of 2019	8.65	80.00	No	No
Haloacetic Acid: Total Annual Average (µg/L) - DW (Loretto Heights)	4 Quarters of 2019	9.75	80.00	No	No

Note: MDL = Minimum Detection Limit

**Table 7: List of 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
Arsenic: As - TW3	8.5	µg/L	2019/01/21
Chromium: Cr - TW3	38.5	µg/L	2019/01/21
Sodium: Na - TW1	44.3	mg/L	2017/01/18
Sodium: Na - TW2	51.8	mg/L	2017/01/18
Sodium: Na - TW3	47.7	mg/L	2017/01/18
Trihalomethane: Total Annual Average - DW (Weca)	83.5	µg/L	2019
Trihalomethane: Total Annual Average - DW (Loretto Heights)	54.75	µg/L	2019

*Note: This table highlights parameters with a “Yes” in the ½ MAC columns of Table 4 and Table 6.*