ANNUAL REPORT

ONTARIO REGULATION 170/03
SECTION 11

ANGUS DRINKING WATER SYSTEM



FOR THE PERIOD: JANUARY 1, 2022 – DECEMBER 31, 2022

Prepared for the Corporation of the Township of Essa by the Ontario Clean Water Agency



This report was prepared in accordance with the requirements of <u>O.Req 170/03, Section 11,</u> <u>Annual reports</u> for the following system and reporting period:

Drinking Water System Number:	260001026
Drinking Water System Name:	Angus Drinking Water System
Drinking Water System Owner:	The Corporation of the Township of Essa
Drinking Water System Category:	Large Municipal Residential
Reporting Period:	January 1, 2022 to December 31, 2022

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

Is your Annual Report available to the public at no charge on a website on the Internet?

Vaa			
Yes			

Note: If a large municipal residential system serves more than 10,000 people, the owner of the system shall ensure that a copy of every report prepared under this section is available to the public at no charge on a website on the Internet. O. Reg. 170/03, Section 11. (10)

Location where Summary Report required under O. Reg 170/03, Schedule 22 will be available for inspection. (O. Reg 170/03, Section 11.(6)(5)):

- Hard copy available for public viewing at the Township of Essa Municipal Office, 5786
 Simcoe County Road 21, Utopia, Essa Township, ON, LOM 1T0
- http://www.essatownship.on.ca

Note: this is required for large municipal residential systems or small municipal residential systems.

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	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?

I Ν/Δ			

How system users are notified that the annual report is available, and is free of charge:

Χ	Public access/notice via the web
Χ	Public access/notice via Government Office
	Public access/notice via a newspaper
Χ	Public access/notice via Public Request
	Public access/notice via a Public Library
	Public access/notice via other method:

Description of Drinking Water System (O.Reg 170/03, Section 11.(6)(a)):

The Angus Drinking Water System is classified as a Large Municipal Drinking Water System, servicing an approximate population of 14,503 persons. The system is comprised of three pumphouses, including the Mill Street Pumphouse, McGeorge Pumphouse and Brownley Pumphouse which draw water from six production wells, along with receiving water from the Collingwood/Alliston pipeline within the Mill Street Pumphouse. The three facilities supply water through a common distribution system.

McGeorge (Centre Street) Pumphouse

The raw water for the McGeorge pumphouse is supplied by two drilled groundwater wells (Well 2 and Well 3). The water pumped from the wells is treated with sodium silicate (for iron sequestration) and sodium hypochlorite (for primary and secondary disinfection) and the treated water is stored in two underground reservoirs prior to entering the distribution system. Online equipment continuously monitors and records free chlorine residual and flowrates. The pumphouse is also equipped with standby power in the event of a power failure.

Mill Street Pumphouse

The Mill Street Pumphouse is located at 28 Mill Street in Angus. Raw Water is supplied from one drilled groundwater well (Well 1). As groundwater is pumped from the well, chemical feed pumps add sodium silicate (for iron sequestering) and sodium hypochlorite (for primary disinfection). Treated water is stored in two underground reservoirs. Flow is measured before entering the reservoir and as the treated water enters the distribution system. pumphouse is equipped with a stand-by diesel generator to provide stand-by power in the event of a power failure. Note: The Mill Street Water Treatment Plant receives the daily difference of 100 m³ minus Baxter Water System daily water taking from the New Tecumseth Pipeline as of 2015. The Raymond A. Barker Ultrafiltration Plant in Collingwood supplies safe drinking water through the Pipeline to the Baxter and Mill Street facilities. Collingwood water sample results are found in the Annual Compliance Reports at: https://www.collingwood.ca/town-services/water-sewer-services

Brownley Pumphouse

The Brownley Pumphouse is located at 8610 5th Line. Raw Water is supplied from three groundwater wells (Well 4, Well 5 and Well 6). As groundwater is pumped from the wells, chemical feed pumps add sodium silicate (for iron sequestering) and sodium hypochlorite (for primary disinfection). Treated water is stored in one (1) underground reservoir. Flow is measured before entering the reservoir and as the treated water enters the distribution system. The pumphouse is equipped with a stand-by diesel generator to provide backup power in the event of a power failure.

List of water treatment chemicals used by the system during the reporting period (O.Reg 170/03, Section 11.(6)(a)):

- Sodium Hypochlorite 12% Solution
- Sodium Silicate

Significant expenses were incurred to:

	Install required equipment
Χ	Repair required equipment

X Replace required equipment

No significant expenses were incurred

Description of major expenses during the reporting period to install, repair or replace required equipment (O.Reg 170/03, Section 11.(6)(e)):

- Generator Check Valve Replacement
- Distribution System Flushing and Swabbing
- Hydrant Repairs, Painting and Replacement
- Distribution system water meter replacements
- QDOS chemical pump rebuild kits
- Below Grade Well Inspections, flow testing and refurbishments- Brownley and McGeorge Pumphouse
- Well casing and concrete repairs- McGeorge reservoir
- Installation and repairs: general pumphouse maintenance- heaters, doors, soffits etc.
- High lift pump rebuilds- Mill Street and Brownley pumphouse
- Install new chlorine analyzer probes and membrane caps- McGeorge, Brownley and Mill Street pumphouses

Summary of any reports/notices submitted to the Ministry and/or Spills Action Centre in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 during the reporting period, including a description of any corrective actions taken under Schedule 17 or 18 (O. Reg 170/03, Section 11.(6)(b),(d):

Incident Date (yyyy/mm/dd)	Parameter/ Notice of	Result & Unit	Summary of Reporting, Corrective Actions & Resolution
N/A	N/A	N/A	• N/A

Table 1. Microbiological testing done under the Schedule 11 of Regulation 170/03 during this reporting period (O.Reg 170/03, Section 11.(6)(c)).

Location	Number of	Coli or	Range of E. Coli or Fecal Results		Range of Total Coliform Results		Range Sam	
	Samples	Min.	Max.	Min.	Max.	Samples	Min.	Max.
RW ^{1A} , Well 1	52	0	0	0	0	0	N/A	N/A
RW ^{1A} , Well 2	35 ^{1D}	0	0	0	0	0	N/A	N/A
RW ^{1A} , Well 3	25 ^{1E}	0	0	0	0	0	N/A	N/A
RW ^{1A} , Well 4	53	0	0	0	20	0	N/A	N/A
RW ^{1A} , Well 5	53	0	0	0	2	0	N/A	N/A
RW ^{1A} , Well 6	53	0	0	0	0	0	N/A	N/A
TW1 ^{1B}	23 ^{1F}	0	0	0	0	23	<10	10
TW2 ^{1B}	52	0	0	0	0	52	<10	10
TW3 ^{1B}	45 ^{1G}	0	0	0	0	45	<10	50
Distribution	266 ^{1C}	0	0	0	0	93 ^{1C}	<10	90

Note: HPC = Heterotrophic Plate Count

Note: Units for E.Coli or Fecal Results are cfu/100 mL, units for Total Coliform Results are cfu/100 mL, units for HPC results are cfu/1mL

^{1A}RW = Raw Water. RW Well 1= Raw Water Well #1 Mill Street; RW Well 2= Raw Water Well #2 McGeorge; RW Well 3= Raw Water Well #3 McGeorge; RW Well 4= Raw Water Well #4 Brownley; RW Well 5= Raw Water Well #5 Brownley; RW Well 6= Raw Water Well #6 Brownley;

^{1B}TW= Treated Water. TW1= Treated Water McGeorge Pumphouse; TW2= Treated Water Mill Street Pumphouse; TW3= Treated Water Brownley Pumphouse

^{1C}O.Reg 170/03 Schedule 10-2.(1)(2)(3) requires that a system that serves 100,000 people or less, at least eight distribution samples, plus one additional distribution sample for every 1,000 people served by the system, are taken every month, with at least one of the samples being taken in each week and that each of the samples taken is tested for E.Coli, Total Coliforms. At least 25 percent of the samples required must be tested for general bacteria population expressed as colony counts on heterotrophic plate count (HPC). As of 2022, the population of Angus is 14,503 persons, as confirmed by the owner on

February 11, 2022 based on the 2021 Statistics Canada Census Data and thus requires at the minimum 22 monthly distribution samples

^{1D}Well 2 at McGeorge has been offline since June 10th, 2022 due to maintenance and repair activities. No samples have been taken since the week of September 6th, 2022

^{1E}Well 3 at McGeorge has been offline since June 10th, 2022 due to maintenance and repair activities. No samples have been taken since the week of June 27th, 2022

^{1F}TW1 at McGeorge Pumphouse has been offline since June 10th, 2022 due to maintenance and repair activities. No samples have been taken since the week of June 13th, 2022

^{1G}TW3 at Brownley Pumphouse was offline from due to maintenance and repair activities. No samples were taken between the weeks of April 25th to June 6th, 2022.

Table 2. Operational testing done under Schedule 7 of Regulation 170/03 during the period covered by this Annual Report (O. Reg 170/03, Section 11.(6)(c)).

Parameter & Location	Number of	Range of Results	
	Samples	Min.	Max.
Turbidity, Raw Water Mill Street Well 1 (Grab) [NTU] ^{2A}	12	0.16	0.60
Turbidity, Raw Water McGeorge Well 2 (Grab) [NTU] 2A	7 ^{2D}	0.14	0.62
Turbidity, Raw Water McGeorge Well 3 (Grab) [NTU] 2A	6 ^{2E}	0.16	0.69
Turbidity, Raw Water Brownley Well 4 (Grab) [NTU] 2A	11 ^{2F}	0.17	0.67
Turbidity, Raw Water Brownley Well 5 (Grab) [NTU] 2A	11 ^{2F}	0.17	0.65
Turbidity, Raw Water Brownley Well 6 (Grab) [NTU] 2A	11 ^{2F}	0.13	0.80
Free Chlorine Residual, (Continuous) McGeorge [mg/L]-TW ^{2B}	8760	0.58	2.07
Free Chlorine Residual, (Continuous) Mill Street [mg/L]-TW ^{2B}	8760	0.94	1.57
Free Chlorine Residual, (Continuous) Brownley [mg/L]-TW ^{2B}	8760	0.70	2.20
Free Chlorine Residual, Distribution (Continuous) [mg/L]-DW ^{2C}	8760	0.41	2.76

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

^{2A}O.Reg 170/03 Schedule 7-3.(1)(1.1) requires a raw water sample be taken at least once every month from each well that is supplying water to the system and tested for turbidity.

^{2B}O.Reg 170/03 Schedule 7-2.(1) requires a drinking water system that provides chlorination for primary disinfection to sample and test for free chlorine residual with continuous monitoring equipment in the treatment process at or near a location where the intended contact time has just been completed.

^{2C}O.Reg 170/03 Schedule 7-2.(3) requires a large municipal residential system that provides secondary disinfection to take at least seven distribution samples each week and immediately tested for free chlorine residual, if the system provides chlorination and does not provide chloramination

^{2D}Well 2 at McGeorge has been offline since June 10th, 2022. No RW turbidity samples were taken from August to December, 2022.

^{2E}Well 3 at McGeorge has been offline since June 10th, 2022. No RW turbidity samples were taken from July to December, 2022.

Table 3. Summary of additional testing and sampling results carried out in accordance with the requirement of an approval, municipal drinking water licence or order (including OWRA) or other legal instrument. (O. Reg 170/03, Section 11.(6)(c))

Legal Instrument & Issue Date (yyyy/mm/dd)	Parameter	Date Sampled (yyyy/mm/dd)	Result	Unit of Measure	
N/A	N/A	N/A	N/A	N/A	

Table 4. Summary of Inorganic parameters tested during this reporting period or

the most recent sample results (O.Reg 170/03, Section 11.(6)(c))

The most recent sample res		•	Maximum	
Danamatan O Lagatian	Sample Date	Sample	Allowable	Exceedance
Parameter & Location	(yyyy/mm/dd)	Result	Concentration	of MAC
			(MAC)	
Antimony: Sb (μg/L) – TW1	2021/01/26	<mdl 0.9<="" td=""><td>6.0</td><td>No</td></mdl>	6.0	No
Antimony: Sb (μg/L) – TW2	2021/01/26	<mdl 0.9<="" td=""><td>6.0</td><td>No</td></mdl>	6.0	No
Antimony: Sb (μg/L) – TW3	2021/01/26	<mdl 0.9<="" td=""><td>6.0</td><td>No</td></mdl>	6.0	No
Arsenic: As (μg/L) - TW1	2021/01/26	0.4	10.0	No
Arsenic: As (μg/L) - TW2	2021/01/26	0.7	10.0	No
Arsenic: As (μg/L) - TW3	2021/01/26	0.3	10.0	No
Barium: Ba (μg/L) – TW1	2021/01/26	86.5	1000.0	No
Barium: Ba (μg/L) – TW2	2021/01/26	139.0	1000.0	No
Barium: Ba (μg/L) – TW3	2021/01/26	61.1	1000.0	No
Boron: B (μg/L) – TW1	2021/01/26	28.0	5000.0	No
Boron: B (μg/L) – TW2	2021/01/26	36.0	5000.0	No
Boron: B (μg/L) – TW3	2021/01/26	34.0	5000.0	No
Cadmium: Cd (µg/L) – TW1	2021/01/26	<mdl 0.003<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Cadmium: Cd (µg/L) – TW2	2021/01/26	<mdl 0.003<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Cadmium: Cd (μg/L) – TW3	2021/01/26	0.014	5.0	No
Chromium: Cr (µg/L) – TW1	2021/01/26	0.24	50.0	No
Chromium: Cr (μg/L) – TW2	2021/01/26	0.35	50.0	No
Chromium: Cr (μg/L) – TW3	2021/01/26	0.42	50.0	No
Mercury: Hg (μg/L) – TW1	2021/01/26	<mdl 0.01<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Mercury: Hg (μg/L) – TW2	2021/01/26	<mdl 0.01<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Mercury: Hg (μg/L) – TW3	2021/01/26	<mdl 0.01<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Selenium: Se (μg/L) – TW1	2021/01/26	<mdl 0.04<="" td=""><td>50.0</td><td>No</td></mdl>	50.0	No

^{2F}Wells 4, 5, and 6 at Brownley were offline from April 19th to June 1st, 2022. No RW turbidity samples were taken in May, 2022.

Drinking Water System Regulation: O. Reg 170/03

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Selenium: Se (μg/L) – TW2	2021/01/26	<mdl 0.04<="" td=""><td>50.0</td><td>No</td></mdl>	50.0	No
Selenium: Se (μg/L) – TW3	2021/01/26	0.09	50.0	No
Uranium: U (μg/L) – TW1	2021/01/26	0.024	20.0	No
Uranium: U (μg/L) – TW2	2021/01/26	0.072	20.0	No
Uranium: U (μg/L) – TW3	2021/01/26	1.61	20.0	No
Fluoride (mg/L) – TW1	2018/07/17 ^{4B}	0.21	1.5	No
Fluoride (mg/L) – TW2	2018/07/17 ^{4B}	0.17	1.5	No
Fluoride (mg/L) – TW3	2018/07/17 ^{4B}	0.19	1.5	No
Nitrite (mg/L) - TW1	2022/01/13	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrite (mg/L) - TW1	2022/04/19	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrite (mg/L) - TW2	2022/01/13	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrite (mg/L) - TW2	2022/04/19	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrite (mg/L) - TW2	2022/07/20	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrite (mg/L) - TW2	2022/10/17	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrite (mg/L) - TW3	2022/01/13	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrite (mg/L) - TW3	2022/04/19	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrite (mg/L) - TW3	2022/07/20	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrite (mg/L) - TW3	2022/10/17	<mdl 0.003<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Nitrate (mg/L) - TW1	2022/01/13	0.027	10.0	No
Nitrate (mg/L) - TW1	2022/04/19	0.022	10.0	No
Nitrate (mg/L) - TW2	2022/01/13	0.016	10.0	No
Nitrate (mg/L) - TW2	2022/04/19	0.015	10.0	No
Nitrate (mg/L) - TW2	2022/07/20	0.011	10.0	No
Nitrate (mg/L) - TW2	2022/10/17	0.028	10.0	No
Nitrate (mg/L) - TW3	2022/01/13	1.55	10.0	No
Nitrate (mg/L) - TW3	2022/04/19	1.49	10.0	No
Nitrate (mg/L) - TW3	2022/07/20	1.48	10.0	No
Nitrate (mg/L) - TW3	2022/10/17	1.38	10.0	No

Sample Date Samp		Sample	Aesthetic	Exceedance	
Parameter & Location	(yyyy/mm/dd)	Result	Objective (AO)	АО	> 20 mg/L
Sodium: Na (mg/L) – TW1	2018/07/17 ^{4C}	13.9	200	No	No
Sodium: Na (mg/L) – TW2	2018/07/17 ^{4C}	17.5	200	No	No
Sodium: Na (mg/L) – TW3	2018/07/17 ^{4C}	15.6	200	No	No

Note: MDL = Minimum Detection Limit, TW = Treated Water

Note: TW1= McGeorge Treatment Pumphouse; TW2= Mill Street Treatment Pumphouse; TW3= Brownley Treatment Pumphouse

^{4A}Inorganic Parameters (Schedule 23) are required to be tested every 36 months for a large municipal residential system, if the system obtains water from a raw water source that is ground water (O. Reg

170/03 Schedule 13-2(b). The last set of samples was collected and tested in 2021, the next set of samples is scheduled to be collected and tested in 2024.

^{4B}Fluoride is reportable every 60 months. The most recent Fluoride samples were tested in 2018, the next set of samples is scheduled to be tested in 2023.

Note: There is no regulatory Maximum Allowable Concentration (MAC) Sodium. The aesthetic objective (AO) for sodium in drinking water 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.

^{4C} Sodium is reportable every 60 months. The most recent Sodium samples were tested in 2018, the next set of samples is scheduled to be tested in 2023.

Table 5: Summary of lead testing under Schedule 15.1 during this reporting period (O.Reg 170/03, Section 11.(6)(g))

	Niah ay af	Rang	e of Results	Number of
Location/Type & Parameter	Number of Samples ^{5A}	Min.	Max.	Lead Exceedances
				$(MAC = 10 \mu/L)$
Perio	d: January 1 to	April 15		
Plumbing – Lead (μg/L) ^{5B}	N/A	N/A	N/A	0
Distribution – Lead (μg/L) ^{5C}	N/A	N/A	N/A	0
Distribution – Alkalinity (mg/L as	8	168	170	N/A
CaCO ₃)				
Distribution – pH	4	7.42	7.49	N/A
Perio	d: June 15 to Oc	tober 15	ı	
Plumbing – Lead (μg/L) ^{5B}	N/A	N/A	N/A	0
Distribution – Lead (μg/L) ^{5C}	N/A	N/A	N/A	0
Distribution – Alkalinity (mg/L as	4	134	139	N/A
CaCO₃)				
Distribution – pH	4	7.49	7.83	N/A
Peri	od: December 1	.5 to 31		
Plumbing – Lead (μg/L) ^{5B}	N/A	N/A	N/A	0
Distribution – Lead (μg/L) ^{5C}	N/A	N/A	N/A	0
Distribution – Alkalinity (mg/L as	N/A	N/A	N/A	N/A
CaCO₃)				
Distribution - pH	N/A	N/A	N/A	N/A

Note: this is required for large municipal residential systems, small municipal residential systems or non-municipal year-round residential system. (O.Reg 170/03, Section 11.(6)(g))

^{5A}The number of sampling points for the system is based on the population served by the system. The number of people served by the system is 14,503 persons (as confirmed with the Owner on February 11, 2022 based on the 2021 Statistics Canada Census data) and therefore requires four (4) distribution sampling points per sampling period.

Table 6: Summary of Organic parameters sampled during this reporting period or the most recent sample results (O.Reg 170/03, Section 11.(6)(c)).

Parameter & Location	Sample Date ^{6A} (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Alachlor (μg/L) - TW1	2021/01/26	<mdl 0.02<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Alachlor (μg/L) - TW2	2021/01/26	<mdl 0.02<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Alachlor (μg/L) - TW3	2021/01/26	<mdl 0.02<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Atrazine + N-dealkylated metabolites (µg/L) - TW1	2021/01/26	<mdl 0.01<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Atrazine + N-dealkylated metabolites (µg/L) - TW2	2021/01/26	<mdl 0.01<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Atrazine + N-dealkylated metabolites (µg/L) - TW3	2021/01/26	<mdl 0.01<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Azinphos-methyl (μg/L) - TW1	2021/01/26	<mdl 0.05<="" td=""><td>20.0</td><td>No</td></mdl>	20.0	No
Azinphos-methyl (μg/L) - TW2	2021/01/26	<mdl 0.05<="" td=""><td>20.0</td><td>No</td></mdl>	20.0	No
Azinphos-methyl (μg/L) - TW3	2021/01/26	<mdl 0.05<="" td=""><td>20.0</td><td>No</td></mdl>	20.0	No
Benzene (μg/L) - TW1	2021/01/26	<mdl 0.32<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Benzene (μg/L) - TW2	2021/01/26	<mdl 0.32<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Benzene (μg/L) - TW3	2021/01/26	<mdl 0.32<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Benzo(a)pyrene (μg/L) - TW1	2021/01/26	<mdl 0.004<="" td=""><td>0.01</td><td>No</td></mdl>	0.01	No
Benzo(a)pyrene (μg/L) - TW2	2021/01/26	<mdl 0.004<="" td=""><td>0.01</td><td>No</td></mdl>	0.01	No
Benzo(a)pyrene (μg/L) - TW3	2021/01/26	<mdl 0.004<="" td=""><td>0.01</td><td>No</td></mdl>	0.01	No
Bromoxynil (μg/L) - TW1	2021/01/26	<mdl 0.33<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Bromoxynil (μg/L) - TW2	2021/01/26	<mdl 0.33<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Bromoxynil (μg/L) - TW3	2021/01/26	<mdl 0.33<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Carbaryl (µg/L) - TW1	2021/01/26	<mdl 0.05<="" td=""><td>90.0</td><td>No</td></mdl>	90.0	No
Carbaryl (µg/L) - TW2	2021/01/26	<mdl 0.05<="" td=""><td>90.0</td><td>No</td></mdl>	90.0	No
Carbaryl (µg/L) - TW3	2021/01/26	<mdl 0.05<="" td=""><td>90.0</td><td>No</td></mdl>	90.0	No
Carbofuran (µg/L) - TW1	2021/01/26	<mdl 0.01<="" td=""><td>90.0</td><td>No</td></mdl>	90.0	No

^{5B}Plumbing samples are not applicable as this system qualifies for the plumbing exemption per O. Reg 170/03 Schedule 15.1-5 (9) (10).

^{5C}This system follows a reduced sampling schedule (O.Reg 170/03, Section 15.1.5). Distribution lead samples are collected every 36 months. The most recent set of distribution lead samples were collected within the winter period of December 15, 2020 to April 15, 2021 and summer period of June 15, 2021 to October 15, 2021. The next set of distribution lead samples is scheduled to be collected within the winter period of December 15, 2023 to April 15, 2024 and summer period of June 15, 2024 to October 15, 2024.

Parameter & Location	Sample Date ^{6A} (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Carbofuran (μg/L) - TW2	2021/01/26	<mdl 0.01<="" td=""><td>90.0</td><td>No</td></mdl>	90.0	No
Carbofuran (µg/L) - TW3	2021/01/26	<mdl 0.01<="" td=""><td>90.0</td><td>No</td></mdl>	90.0	No
Carbon Tetrachloride (μg/L) - TW1	2021/01/26	<mdl 0.17<="" td=""><td>2.0</td><td>No</td></mdl>	2.0	No
Carbon Tetrachloride (μg/L) - TW2	2021/01/26	<mdl 0.17<="" td=""><td>2.0</td><td>No</td></mdl>	2.0	No
Carbon Tetrachloride (μg/L) - TW3	2021/01/26	<mdl 0.17<="" td=""><td>2.0</td><td>No</td></mdl>	2.0	No
Chlorpyrifos (µg/L) - TW1	2021/01/26	<mdl 0.02<="" td=""><td>90.0</td><td>No</td></mdl>	90.0	No
Chlorpyrifos (µg/L) - TW2	2021/01/26	<mdl 0.02<="" td=""><td>90.0</td><td>No</td></mdl>	90.0	No
Chlorpyrifos (µg/L) - TW3	2021/01/26	<mdl 0.02<="" td=""><td>90.0</td><td>No</td></mdl>	90.0	No
Diazinon (μg/L) - TW1	2021/01/26	<mdl 0.02<="" td=""><td>20.0</td><td>No</td></mdl>	20.0	No
Diazinon (μg/L) - TW2	2021/01/26	<mdl 0.02<="" td=""><td>20.0</td><td>No</td></mdl>	20.0	No
Diazinon (μg/L) - TW3	2021/01/26	<mdl 0.02<="" td=""><td>20.0</td><td>No</td></mdl>	20.0	No
Dicamba (μg/L) - TW1	2021/01/26	<mdl 0.2<="" td=""><td>120.0</td><td>No</td></mdl>	120.0	No
Dicamba (μg/L) - TW2	2021/01/26	<mdl 0.2<="" td=""><td>120.0</td><td>No</td></mdl>	120.0	No
Dicamba (μg/L) - TW3	2021/01/26	<mdl 0.2<="" td=""><td>120.0</td><td>No</td></mdl>	120.0	No
1,2-Dichlorobenzene (μg/L) - TW1	2021/01/26	<mdl 0.41<="" td=""><td>200.0</td><td>No</td></mdl>	200.0	No
1,2-Dichlorobenzene (μg/L) - TW2	2021/01/26	<mdl 0.41<="" td=""><td>200.0</td><td>No</td></mdl>	200.0	No
1,2-Dichlorobenzene (μg/L) - TW3	2021/01/26	<mdl 0.41<="" td=""><td>200.0</td><td>No</td></mdl>	200.0	No
1,4-Dichlorobenzene (μg/L) - TW1	2021/01/26	<mdl 0.36<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
1,4-Dichlorobenzene (μg/L) - TW2	2021/01/26	<mdl 0.36<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
1,4-Dichlorobenzene (μg/L) - TW3	2021/01/26	<mdl 0.36<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
1,2-Dichloroethane (μg/L)- TW1	2021/01/26	<mdl 0.35<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
1,2-Dichloroethane (μg/L)- TW2	2021/01/26	<mdl 0.35<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
1,2-Dichloroethane (μg/L)- TW3	2021/01/26	<mdl 0.35<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
1,1-Dichloroethylene (μg/L) - TW1	2021/01/26	<mdl 0.33<="" td=""><td>14.0</td><td>No</td></mdl>	14.0	No

1,1-Dichloroethylene (μg/L) - TW2 2021/01/26 <mdl 0.33<="" td=""> 14.0 No 1,1-Dichloroethylene (μg/L) - TW3 2021/01/26 <mdl 0.33<="" td=""> 14.0 No Dichloromethane (Methylene Chloride) (μg/L) - TW1 2021/01/26 <mdl 0.35<="" td=""> 50.0 No Dichloromethane (Methylene Chloride) (μg/L) - TW2 2021/01/26 <mdl 0.35<="" td=""> 50.0 No Dichloromethane (Methylene Chloride) (μg/L) - TW3 2021/01/26 <mdl 0.35<="" td=""> 50.0 No NW3 2,4-Dichlorophenol (μg/L) - TW1 2021/01/26 <mdl 0.15<="" td=""> 900.0 No 2,4-Dichlorophenol (μg/L) - TW2 2021/01/26 <mdl 0.15<="" td=""> 900.0 No 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW1 2021/01/26 <mdl 0.15<="" td=""> 900.0 No 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW1 2021/01/26 <mdl 0.19<="" td=""> 100.0 No 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW3 2021/01/26 <mdl 0.19<="" td=""> 100.0 No 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW3 2021/01/26 <mdl 0.19<="" td=""> 100.0 No 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW3 2021/01/26 <mdl 0.19<="" td=""> 100.0 No</mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl>	Parameter & Location	Sample Date ^{6A} (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
TW3 Dichloromethane (Methylene Chloride) (μg/L) - TW1 Dichloromethane (Methylene Chloride) (μg/L) - TW2 Dichloromethane (Methylene Chloride) (μg/L) - TW2 Dichloromethane (Methylene Chloride) (μg/L) - TW3 2,4-Dichlorophenol (μg/L) - TW1 2021/01/26 MDL 0.35 50.0 No No TW3 2,4-Dichlorophenol (μg/L) - TW1 2021/01/26 MDL 0.15 900.0 No No 2,4-Dichlorophenol (μg/L) - TW3 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW1 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW2 2,0-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW2 2,0-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW2 2,0-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW3 Diclofop-methyl (μg/L) - TW1 2021/01/26 MDL 0.19 100.0 No Diclofop-methyl (μg/L) - TW1 2021/01/26 MDL 0.4 9.0 No Diclofop-methyl (μg/L) - TW3 2021/01/26 MDL 0.4 9.0 No Diclofop-methyl (μg/L) - TW3 2021/01/26 MDL 0.06 20.0 No Dimethoate (μg/L) - TW2 2021/01/26 MDL 0.06 20.0 No Dimethoate (μg/L) - TW3 2021/01/26 MDL 0.06 20.0 No Diquat (μg/L) - TW2 2021/01/26 MDL 1.0 70.0 No Diquat (μg/L) - TW3 2021/01/26 MDL 1.0 70.0 No Diuron (μg/L) - TW3 2021/01/26 MDL 1.0 70.0 No		2021/01/26	<mdl 0.33<="" td=""><td>14.0</td><td>No</td></mdl>	14.0	No
(Methylene Chloride) (μg/L) - TW1	, ,,,,,	2021/01/26	<mdl 0.33<="" td=""><td>14.0</td><td>No</td></mdl>	14.0	No
(Methylene Chloride) (μg/L) - TW2	(Methylene Chloride) (μg/L) -	2021/01/26	<mdl 0.35<="" td=""><td>50.0</td><td>No</td></mdl>	50.0	No
(Methylene Chloride) (μg/L) - TW3 2021/01/26 <mdl 0.35<="" td=""> 50.0 No 2,4-Dichlorophenol (μg/L) - TW1 2021/01/26 <mdl 0.15<="" td=""> 900.0 No 2,4-Dichlorophenol (μg/L) - TW2 2021/01/26 <mdl 0.15<="" td=""> 900.0 No 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW1 2021/01/26 <mdl 0.15<="" td=""> 900.0 No 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW1 2021/01/26 <mdl 0.19<="" td=""> 100.0 No 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW2 2021/01/26 <mdl 0.19<="" td=""> 100.0 No 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW3 2021/01/26 <mdl 0.19<="" td=""> 100.0 No 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW3 2021/01/26 <mdl 0.19<="" td=""> 100.0 No Diclofop-methyl (μg/L) - TW3 2021/01/26 <mdl 0.19<="" td=""> 100.0 No Diclofop-methyl (μg/L) - TW1 2021/01/26 <mdl 0.4<="" td=""> 9.0 No Diclofop-methyl (μg/L) - TW3 2021/01/26 <mdl 0.4<="" td=""> 9.0 No Dimethoate (μg/L) - TW1 2021/01/26 <mdl 0.06<="" td=""> 20.0 No Dimethoate (μg/L) - TW3 2021/01/26</mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl>	(Methylene Chloride) (μg/L) -	2021/01/26	<mdl 0.35<="" td=""><td>50.0</td><td>No</td></mdl>	50.0	No
TW1 2,4-Dichlorophenol (μg/L) - TW2 2,4-Dichlorophenol (μg/L) - TW3 2,4-Dichlorophenol (μg/L) - TW3 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW1 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW1 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW2 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW2 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW2 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW3 Diclofop-methyl (μg/L) - TW1 Diclofop-methyl (μg/L) - TW1 Diclofop-methyl (μg/L) - TW2 2021/01/26 AMDL 0.19 100.0 No No No Diclofop-methyl (μg/L) - TW1 2021/01/26 AMDL 0.4 9.0 No Dimethoate (μg/L) - TW1 2021/01/26 AMDL 0.4 9.0 No Dimethoate (μg/L) - TW1 2021/01/26 AMDL 0.06 20.0 No Dimethoate (μg/L) - TW2 2021/01/26 AMDL 0.06 20.0 No Dimethoate (μg/L) - TW3 2021/01/26 AMDL 0.06 20.0 No Diquat (μg/L) - TW1 2021/01/26 AMDL 1.0 70.0 No Diquat (μg/L) - TW3 2021/01/26 AMDL 1.0 70.0 No Diquat (μg/L) - TW3 2021/01/26 AMDL 1.0 70.0 No Diquat (μg/L) - TW3 2021/01/26 AMDL 1.0 70.0 No Diquat (μg/L) - TW3 2021/01/26 AMDL 1.0 70.0 No Diquat (μg/L) - TW3 2021/01/26 AMDL 1.0 70.0 No Diquat (μg/L) - TW3 2021/01/26 AMDL 1.0 70.0 No Diquat (μg/L) - TW3 2021/01/26 AMDL 1.0 70.0 No Diquat (μg/L) - TW3 2021/01/26 AMDL 1.0 70.0 No Diquat (μg/L) - TW3 2021/01/26 AMDL 1.0 70.0 No Diquat (μg/L) - TW3 2021/01/26 AMDL 1.0 70.0 No	(Methylene Chloride) (μg/L) -	2021/01/26	<mdl 0.35<="" td=""><td>50.0</td><td>No</td></mdl>	50.0	No
TW2 2,4-Dichlorophenol (μg/L) - TW3 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW1 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW1 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW2 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW2 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW2 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW3 Diclofop-methyl (μg/L) - TW1 Diclofop-methyl (μg/L) - TW1 Diclofop-methyl (μg/L) - TW2 Diclofop-methyl (μg/L) - TW3 Diclofop-methyl (μg/L) - TW3 Diclofop-methyl (μg/L) - TW3 Dimethoate (μg/L) - TW1 Dimethoate (μg/L) - TW1 Dimethoate (μg/L) - TW2 2021/01/26		2021/01/26	<mdl 0.15<="" td=""><td>900.0</td><td>No</td></mdl>	900.0	No
TW3 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW1 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW2 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW2 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW3 Diclofop-methyl (μg/L) - TW1 Diclofop-methyl (μg/L) - TW2 Diclofop-methyl (μg/L) - TW2 Diclofop-methyl (μg/L) - TW2 Diclofop-methyl (μg/L) - TW3 Diclofop-methyl (μg/L) -		2021/01/26	<mdl 0.15<="" td=""><td>900.0</td><td>No</td></mdl>	900.0	No
acid (2,4-D) (μg/L) - TW1 2021/01/26 <mdl 0.19<="" td=""> 100.0 No 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW2 2021/01/26 <mdl 0.19<="" td=""> 100.0 No 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW3 2021/01/26 <mdl 0.19<="" td=""> 100.0 No Diclofop-methyl (μg/L) - TW1 2021/01/26 <mdl 0.4<="" td=""> 9.0 No Diclofop-methyl (μg/L) - TW2 2021/01/26 <mdl 0.4<="" td=""> 9.0 No Dinclofop-methyl (μg/L) - TW3 2021/01/26 <mdl 0.4<="" td=""> 9.0 No Dimethoate (μg/L) - TW1 2021/01/26 <mdl 0.06<="" td=""> 20.0 No Dimethoate (μg/L) - TW2 2021/01/26 <mdl 0.06<="" td=""> 20.0 No Diquat (μg/L) - TW3 2021/01/26 <mdl 1.0<="" td=""> 70.0 No Diquat (μg/L) - TW2 2021/01/26 <mdl 1.0<="" td=""> 70.0 No Diquat (μg/L) - TW3 2021/01/26 <mdl 1.0<="" td=""> 70.0 No Diquat (μg/L) - TW3 2021/01/26 <mdl 1.0<="" td=""> 70.0 No Diquat (μg/L) - TW1 2021/01/26 <mdl 1.0<="" td=""> 70.0 No Diquat (μg/L) - TW1 2021/01/26</mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl>		2021/01/26	<mdl 0.15<="" td=""><td>900.0</td><td>No</td></mdl>	900.0	No
acid (2,4-D) (μg/L) - TW2 2021/01/26 <mdl 0.19<="" td=""> 100.0 No 2,4-Dichlorophenoxy acetic acid (2,4-D) (μg/L) - TW3 2021/01/26 <mdl 0.19<="" td=""> 100.0 No Diclofop-methyl (μg/L) - TW1 2021/01/26 <mdl 0.4<="" td=""> 9.0 No Diclofop-methyl (μg/L) - TW2 2021/01/26 <mdl 0.4<="" td=""> 9.0 No Diclofop-methyl (μg/L) - TW3 2021/01/26 <mdl 0.4<="" td=""> 9.0 No Dimethoate (μg/L) - TW1 2021/01/26 <mdl 0.06<="" td=""> 20.0 No Dimethoate (μg/L) - TW2 2021/01/26 <mdl 0.06<="" td=""> 20.0 No Diquat (μg/L) - TW1 2021/01/26 <mdl 0.06<="" td=""> 20.0 No Diquat (μg/L) - TW1 2021/01/26 <mdl 1.0<="" td=""> 70.0 No Diquat (μg/L) - TW2 2021/01/26 <mdl 1.0<="" td=""> 70.0 No Diquat (μg/L) - TW3 2021/01/26 <mdl 1.0<="" td=""> 70.0 No Diquat (μg/L) - TW1 2021/01/26 <mdl 1.0<="" td=""> 70.0 No Diquat (μg/L) - TW1 2021/01/26 <mdl 0.03<="" td=""> 150.0 No</mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl>		2021/01/26	<mdl 0.19<="" td=""><td>100.0</td><td>No</td></mdl>	100.0	No
acid (2,4-D) (μg/L) - TW3 2021/01/26 <mdl 0.19<="" td=""> 100.0 No Diclofop-methyl (μg/L) - TW1 2021/01/26 <mdl 0.4<="" td=""> 9.0 No Diclofop-methyl (μg/L) - TW2 2021/01/26 <mdl 0.4<="" td=""> 9.0 No Diclofop-methyl (μg/L) - TW3 2021/01/26 <mdl 0.4<="" td=""> 9.0 No Dimethoate (μg/L) - TW1 2021/01/26 <mdl 0.06<="" td=""> 20.0 No Dimethoate (μg/L) - TW2 2021/01/26 <mdl 0.06<="" td=""> 20.0 No Diquat (μg/L) - TW3 2021/01/26 <mdl 0.06<="" td=""> 20.0 No Diquat (μg/L) - TW1 2021/01/26 <mdl 1.0<="" td=""> 70.0 No Diquat (μg/L) - TW2 2021/01/26 <mdl 1.0<="" td=""> 70.0 No Diquat (μg/L) - TW3 2021/01/26 <mdl 1.0<="" td=""> 70.0 No Diquat (μg/L) - TW1 2021/01/26 <mdl 1.0<="" td=""> 70.0 No</mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl></mdl>	1 -	2021/01/26	<mdl 0.19<="" td=""><td>100.0</td><td>No</td></mdl>	100.0	No
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		2021/01/26	<mdl 0.19<="" td=""><td>100.0</td><td>No</td></mdl>	100.0	No
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Diclofop-methyl (μg/L) - TW1	2021/01/26	<mdl 0.4<="" td=""><td>9.0</td><td>No</td></mdl>	9.0	No
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		· · · · · · · · · · · · · · · · · · ·		-	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		· · · · · ·			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	o. ,	· · · · · ·			
Diquat (μg/L) - TW3 2021/01/26 < MDL 1.0 70.0 No Diuron (μg/L) - TW1 2021/01/26 < MDL 0.03					
Diuron (μg/L) - TW1 2021/01/26 <mdl 0.03="" 150.0="" no<="" td=""><td></td><td></td><td></td><td></td><td>1</td></mdl>					1
		· · · · · · · · · · · · · · · · · · ·			
Diuron (μg/L) - TW2 2021/01/26 <mdl 0.03="" 150.0="" no<="" td=""><td></td><td>1 1</td><td></td><td></td><td></td></mdl>		1 1			

Parameter & Location	Sample Date ^{6A} (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Diuron (μg/L) - TW3	2021/01/26	<mdl 0.03<="" td=""><td>150.0</td><td>No</td></mdl>	150.0	No
Glyphosate (μg/L) - TW1	2021/01/26	<mdl 1.0<="" td=""><td>280.0</td><td>No</td></mdl>	280.0	No
Glyphosate (μg/L) - TW2	2021/01/26	<mdl 1.0<="" td=""><td>280.0</td><td>No</td></mdl>	280.0	No
Glyphosate (μg/L) - TW3	2021/01/26	<mdl 1.0<="" td=""><td>280.0</td><td>No</td></mdl>	280.0	No
Malathion (μg/L) - TW1	2021/01/26	<mdl 0.02<="" td=""><td>190.0</td><td>No</td></mdl>	190.0	No
Malathion (μg/L) - TW2	2021/01/26	<mdl 0.02<="" td=""><td>190.0</td><td>No</td></mdl>	190.0	No
Malathion (μg/L) - TW3	2021/01/26	<mdl 0.02<="" td=""><td>190.0</td><td>No</td></mdl>	190.0	No
Metolachlor (μg/L) - TW1	2021/01/26	<mdl 0.01<="" td=""><td>50.0</td><td>No</td></mdl>	50.0	No
Metolachlor (μg/L) - TW2	2021/01/26	<mdl 0.01<="" td=""><td>50.0</td><td>No</td></mdl>	50.0	No
Metolachlor (μg/L) - TW3	2021/01/26	<mdl 0.01<="" td=""><td>50.0</td><td>No</td></mdl>	50.0	No
Metribuzin (μg/L) - TW1	2021/01/26	<mdl 0.02<="" td=""><td>80.0</td><td>No</td></mdl>	80.0	No
Metribuzin (μg/L) - TW2	2021/01/26	<mdl 0.02<="" td=""><td>80.0</td><td>No</td></mdl>	80.0	No
Metribuzin (μg/L) - TW3	2021/01/26	<mdl 0.02<="" td=""><td>80.0</td><td>No</td></mdl>	80.0	No
Monochlorobenzene (Chlorobenzene) (μg/L) - TW1	2021/01/26	<mdl 0.3<="" td=""><td>80.0</td><td>No</td></mdl>	80.0	No
Monochlorobenzene (Chlorobenzene) (μg/L) - TW2	2021/01/26	<mdl 0.3<="" td=""><td>80.0</td><td>No</td></mdl>	80.0	No
Monochlorobenzene (Chlorobenzene) (μg/L) - TW3	2021/01/26	<mdl 0.3<="" td=""><td>80.0</td><td>No</td></mdl>	80.0	No
Paraquat (μg/L) - TW1	2021/01/26	<mdl 1.0<="" td=""><td>10.0</td><td>No</td></mdl>	10.0	No
Paraquat (μg/L) - TW2	2021/01/26	<mdl 1.0<="" td=""><td>10.0</td><td>No</td></mdl>	10.0	No
Paraquat (μg/L) - TW3	2021/01/26	<mdl 1.0<="" td=""><td>10.0</td><td>No</td></mdl>	10.0	No
PCB (μg/L) - TW1	2021/01/26	<mdl 0.04<="" td=""><td>3.0</td><td>No</td></mdl>	3.0	No
PCB (μg/L) - TW2	2021/01/26	<mdl 0.04<="" td=""><td>3.0</td><td>No</td></mdl>	3.0	No
PCB (μg/L) - TW3	2021/01/26	<mdl 0.04<="" td=""><td>3.0</td><td>No</td></mdl>	3.0	No
Pentachlorophenol (μg/L) - TW1	2021/01/26	<mdl 0.15<="" td=""><td>60.0</td><td>No</td></mdl>	60.0	No
Pentachlorophenol (μg/L) - TW2	2021/01/26	<mdl 0.15<="" td=""><td>60.0</td><td>No</td></mdl>	60.0	No
Pentachlorophenol (μg/L) - TW3	2021/01/26	<mdl 0.15<="" td=""><td>60.0</td><td>No</td></mdl>	60.0	No
Phorate (μg/L) - TW1	2021/01/26	<mdl 0.01<="" td=""><td>2.0</td><td>No</td></mdl>	2.0	No
Phorate (μg/L) - TW2	2021/01/26	<mdl 0.01<="" td=""><td>2.0</td><td>No</td></mdl>	2.0	No
Phorate (μg/L) - TW3	2021/01/26	<mdl 0.01<="" td=""><td>2.0</td><td>No</td></mdl>	2.0	No

Parameter & Location	Sample Date ^{6A} (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
Picloram (μg/L) - TW1	2021/01/26	<mdl 1.0<="" td=""><td>190.0</td><td>No</td></mdl>	190.0	No
Picloram (μg/L) - TW2	2021/01/26	<mdl 1.0<="" td=""><td>190.0</td><td>No</td></mdl>	190.0	No
Picloram (μg/L) - TW3	2021/01/26	<mdl 1.0<="" td=""><td>190.0</td><td>No</td></mdl>	190.0	No
Prometryne (µg/L) - TW1	2021/01/26	<mdl 0.03<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Prometryne (µg/L) - TW2	2021/01/26	<mdl 0.03<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Prometryne (µg/L) - TW3	2021/01/26	<mdl 0.03<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Simazine (μg/L) - TW1	2021/01/26	<mdl 0.01<="" td=""><td>10.0</td><td>No</td></mdl>	10.0	No
Simazine (µg/L) - TW2	2021/01/26	<mdl 0.01<="" td=""><td>10.0</td><td>No</td></mdl>	10.0	No
Simazine (μg/L) - TW3	2021/01/26	<mdl 0.01<="" td=""><td>10.0</td><td>No</td></mdl>	10.0	No
Terbufos (μg/L) - TW1	2021/01/26	<mdl 0.01<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Terbufos (μg/L) - TW2	2021/01/26	<mdl 0.01<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Terbufos (μg/L) - TW3	2021/01/26	<mdl 0.01<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Tetrachloroethylene (μg/L) - TW1	2021/01/26	<mdl 0.35<="" td=""><td>10.0</td><td>No</td></mdl>	10.0	No
Tetrachloroethylene (μg/L) - TW2	2021/01/26	<mdl 0.35<="" td=""><td>10.0</td><td>No</td></mdl>	10.0	No
Tetrachloroethylene (μg/L) - TW3	2021/01/26	<mdl 0.35<="" td=""><td>10.0</td><td>No</td></mdl>	10.0	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW1	2021/01/26	<mdl 0.2<="" td=""><td>100.0</td><td>No</td></mdl>	100.0	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW2	2021/01/26	<mdl 0.2<="" td=""><td>100.0</td><td>No</td></mdl>	100.0	No
2,3,4,6-Tetrachlorophenol (µg/L) - TW3	2021/01/26	<mdl 0.2<="" td=""><td>100.0</td><td>No</td></mdl>	100.0	No
Triallate (µg/L) - TW1	2021/01/26	<mdl 0.01<="" td=""><td>230.0</td><td>No</td></mdl>	230.0	No
Triallate (μg/L) - TW2	2021/01/26	<mdl 0.01<="" td=""><td>230.0</td><td>No</td></mdl>	230.0	No
Triallate (μg/L) - TW3	2021/01/26	<mdl 0.01<="" td=""><td>230.0</td><td>No</td></mdl>	230.0	No
Trichloroethylene (μg/L) - TW1	2021/01/26	<mdl 0.44<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Trichloroethylene (μg/L) - TW2	2021/01/26	<mdl 0.44<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
Trichloroethylene (μg/L) - TW3	2021/01/26	<mdl 0.44<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
2,4,6-Trichlorophenol (μg/L) - TW1	2021/01/26	<mdl 0.25<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
2,4,6-Trichlorophenol (μg/L) - TW2	2021/01/26	<mdl 0.25<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No

Parameter & Location	Sample Date ^{6A} (yyyy/mm/dd)	Sample Result	Maximum Allowable Concentration (MAC)	Exceedance of MAC
2,4,6-Trichlorophenol (μg/L) - TW3	2021/01/26	<mdl 0.25<="" td=""><td>5.0</td><td>No</td></mdl>	5.0	No
2-methyl-4- chlorophenoxyacetic acid (MCPA) (µg/L) - TW1	2021/01/26	<mdl 0.12<="" td=""><td>100.0</td><td>No</td></mdl>	100.0	No
2-methyl-4- chlorophenoxyacetic acid (MCPA) (µg/L) - TW2	2021/01/26	<mdl 0.12<="" td=""><td>100.0</td><td>No</td></mdl>	100.0	No
2-methyl-4- chlorophenoxyacetic acid (MCPA) (µg/L) - TW3	2021/01/26	<mdl 0.12<="" td=""><td>100.0</td><td>No</td></mdl>	100.0	No
Trifluralin (μg/L) - TW1	2021/01/26	<mdl 0.02<="" td=""><td>45.0</td><td>No</td></mdl>	45.0	No
Trifluralin (μg/L) - TW2	2021/01/26	<mdl 0.02<="" td=""><td>45.0</td><td>No</td></mdl>	45.0	No
Trifluralin (μg/L) - TW3	2021/01/26	<mdl 0.02<="" td=""><td>45.0</td><td>No</td></mdl>	45.0	No
Vinyl Chloride (μg/L) - TW1	2021/01/26	<mdl 0.17<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Vinyl Chloride (μg/L) - TW2	2021/01/26	<mdl 0.17<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Vinyl Chloride (μg/L) - TW3	2021/01/26	<mdl 0.17<="" td=""><td>1.0</td><td>No</td></mdl>	1.0	No
Trihalomethane: Total (µg/L) Annual Average - DW	4 Quarters of 2022	28.0	100.00	No
HAA Total (μg/L) Annual Average - DW	4 Quarters of 2022	<mdl 5.3<="" td=""><td>80.00</td><td>No</td></mdl>	80.00	No

Note: TW = Treated Water, DW = Distribution Water, MDL = Minimum Detection Limit, MAC = Maximum Allowable Concentration, HAA = Haloacetic Acids

Note: TW1= McGeorge Treatment Pumphouse; TW2= Mill Street Treatment Pumphouse; TW3= Brownley Treatment Pumphouse

Table 7: List of Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards for the reporting period.

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

^{6A}Organic Parameters (Schedule 24) are required to be tested every 36 months for a large municipal residential system, if the system obtains water from a raw water supply that is ground water (O. Reg 170/03 Schedule 13-4.(1b)). The last set of samples was collected and tested in 2021, the next set of samples is scheduled to be collected and tested in 2024.