



2019 Annual Report for Water Works (R. 170/03, Sec. 11)

Drinking-Water System Number:	220003252
Drinking-Water System Name:	Orangeville Drinking Water System
Drinking-Water System Owner:	The Corporation of the Town of Orangeville
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1 to December 31, 2019

Complete if your Category is Large Municipal Residential or Small Municipal Residential	Complete for all other Categories.
<p>Does your Drinking-Water System serve more than 10,000 people? Yes [X] No []</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No []</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Town of Orangeville Municipal Offices 87 Broadway Orangeville ON L9W 1K1 </div>	<p>Number of Designated Facilities served: Not Applicable</p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No []</p> <p>Number of Interested Authorities you report to: Not Applicable</p> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No []</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px; width: fit-content;"> N/A </div>

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 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 its drinking water? Yes [] No [] Not Applicable [X]



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 _____

Describe your Drinking-Water System

The Orangeville drinking water system consists of 12 water supply wells, two grade-level water storage reservoirs, one elevated water storage reservoir, one water storage standpipe, and approximately 129.4 km of watermains, 1,085 fire hydrants and 1,406 watermain valves. Ultraviolet (UV) light and liquid sodium hypochlorite are used at 9 wells for primary disinfection. Liquid sodium hypochlorite is used for primary disinfection at the remaining 3 wells. Liquid sodium silicate is also used at two wells for iron sequestration. The system currently has approximately 9,873 residential, industrial, commercial and institutional water service connections.

List all water treatment chemicals used over this reporting period

1. Liquid sodium hypochlorite for single-stage primary disinfection at 3 wells.
2. Ultraviolet (UV) light and liquid sodium hypochlorite for two-stage primary disinfection at 9 wells.
3. Liquid sodium silicate for iron sequestration at 2 wells.
4. Liquid potassium permanganate for pre-filtration iron and manganese oxidation at 1 well.
5. Liquid sodium hypochlorite for pre-filtration iron oxidation at 8 wells.
6. Liquid sodium hypochlorite for secondary disinfection throughout the distribution system.
7. Cartridge and/or pressure filters for water treatment at 9 wells.

Were any significant expenses incurred to?

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

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

1. Complete flow meter upgrades at specific water works facilities.
2. Complete chemical dosing pump upgrades as required.
3. Well 10 rehabilitation work and submersible pump and motor replacement.
4. Gifford St. reconstruction, including replacement of watermains and water service pipes.
5. Second Ave. reconstruction, including replacement of watermains and water service pipes.

Abbreviations used in this report

1. ND indicates the sample result was Not Detected.
2. N/A means not applicable.
3. mg/L means milligrams per litre; or approximately one part per million (ppm).
4. ug/L means micrograms per litre; or approximately one part per billion (ppb).
5. CFU/100 ml means Colony Forming Units (viable bacterial cells) per 100 ml of sample.
6. * preceding or following a test result in the tables indicates the result is less than the laboratory method detection limit for that specific parameter (not detectable).
7. < means less than.
8. < MDL following a test result in the tables indicates the result is less than the laboratory method detection limit for that specific parameter (not detectable).



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	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date or Date Resolved
13 Aug 2019	Localized watermain depressurization due to water service pipe damage during reconstruction activities. Approximately five residences affected. [Reg. 170/03, S. 16-4]	< 138	kPa	Repairs completed, watermain flushed, chlorine residuals checked, and two sets of water samples collected for microbiological testing. Testing results were within regulated microbiological standards. No further action required.	19 Aug 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 / Background Samples	Range of HPC / Background Results (min #)-(max #)
Well 2A					
Raw <i>(1 source well)</i>	26	0-0	0-0	26 / 26	0-6 / 0-1
Treated <i>(point of entry)</i>	24	0-0	0-0	24 / 24	0-1 / 0-0
Wells 5 and 5A					
Raw <i>(2 source wells)</i>	103	0-0	0-0	103 / 103	0-29 / 0-1
Treated <i>(point of entry)</i>	52	0-0	0-0	52 / 52	0-2 / 0-0
Well 6					
Raw <i>(1 source well)</i>	51	0-0	0-0	51 / 51	0-5 / 0-3
Treated <i>(point of entry)</i>	52	0-0	0-0	52 / 52	0-1 / 0-0
Well 7					
Raw <i>(1 source well)</i>	51	0-0	0-0	51 / 51	0-16 / 0-3
Treated <i>(point of entry)</i>	50	0-0	0-0	50 / 50	0-1 / 0-0
Wells 8B and 8C					
Raw <i>(2 source wells)</i>	103	0-0	0-0	103 / 103	0-133 / 0-1



	Number of Samples	Range of E.Coli or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC / Background Samples	Range of HPC / Background Results (min #)-(max #)
Treated <i>(point of entry)</i>	52	0-0	0-0	52 / 52	0-1 / 0-0
Wells 9A and 9B					
Raw <i>(2 source wells)</i>	99	0-0	0-0	99 / 99	0-24 / 0-0
Treated <i>(point of entry)</i>	51	0-0	0-0	51 / 51	0-5 / 0-11
Well 10					
Raw <i>(1 source well)</i>	50	0-0	0-1	50 / 50	0-16 / 0-3
Treated <i>(point of entry)</i>	50	0-0	0-0	50 / 50	0-4 / 0-0
Well 11					
Raw <i>(1 source well)</i>	52	0-0	0-1	52 / 52	0-9 / 0-10
Treated <i>(point of entry)</i>	51	0-0	0-0	51 / 51	0-2 / 0-1
Well 12					
Raw <i>(1 source well)</i>	52	0-0	0-0	52 / 52	0-3 / 0-0
Treated <i>(point of entry)</i>	48	0-0	0-0	48 / 48	0-3 / 0-0
Orangeville Distribution System					
Distribution <i>(routine)</i>	611	0-0	0-0	611 / 611	0- >2000 / 0-13
Distribution <i>(non-routine)</i>	13	0-0	0-0	13 / 13	0-2 / 0-0

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

	Number of Grab Samples	Range of Results (min #)-(max #)
Well 2A		
Turbidity (NTU) <i>(Raw Water, 1 Well)</i>	25	0.08-0.79
Turbidity (NTU) <i>(Filter Effluent Line)</i>	8760	2.91 (max.)
Pressure Differential (kPa) <i>(5-micron Cartridge Filter)</i>	8760	22.3 (max.)
Chlorine (mg/L) <i>(Sch. 7-2(1), Point of Entry, 2-stage Disinfection)</i>	8760	0.59 (min.)

NOTE: For continuous monitors use 8760 as the number of samples.

	Number of Grab Samples	Range of Results (min #)-(max #)
Wells 5 and 5A		
Turbidity (NTU) <i>(Raw Water, 2 Wells)</i>	117	0.05-0.51
Chlorine (mg/L) <i>(Sch. 7-2(1), Point of Entry, 2-stage Disinfection)</i>	8760	1.22 (min.)
Well 6		
Turbidity (NTU) <i>(Raw Water, 1 Well)</i>	57	0.08-0.55
Chlorine (mg/L) <i>(Sch. 7-2(1), Point of Entry)</i>	8760	0.51-1.88
Well 7		
Turbidity (NTU) <i>(Raw Water, 1 Well)</i>	57	0.05-0.74
Chlorine (mg/L) <i>(Sch. 7-2(1), Point of Entry)</i>	8760	0.41-2.62
Wells 8B and 8C		
Turbidity (NTU) <i>(Raw Water, 2 Wells)</i>	116	0.08-1.21
Turbidity (NTU) <i>(Filter Effluent Line)</i>	8760	2.01 (max.)
Pressure Differential (kPa) <i>(5-micron Cartridge Filter)</i>	8760	59.3 (max.)
Chlorine (mg/L) <i>(Sch. 7-2(1), Point of Entry, 2-stage Disinfection)</i>	8760	0.93 (min.)
Wells 9A and 9B		
Turbidity (NTU) <i>(Raw Water, 2 Wells)</i>	107	0.06-0.88
Chlorine (mg/L) <i>(Sch. 7-2(1), Point of Entry, 2-stage Disinfection)</i>	8760	0.63 (min.)
Well 10		
Turbidity (NTU) <i>(Raw Water, 1 Well)</i>	50	0.09-0.71
Chlorine (mg/L) <i>(Sch. 7-2(1), Point of Entry, 2-stage Disinfection)</i>	8760	0.92 (min.)
Well 11		
Turbidity (NTU) <i>(Raw Water, 1 Well)</i>	56	0.08-0.60
Chlorine (mg/L) <i>(Sch. 7-2(1), Point of Entry)</i>	8760	0.49-3.34
Well 12		
Turbidity (NTU) <i>(Raw Water, 1 Well)</i>	57	0.05-0.37

	Number of Grab Samples	Range of Results (min #)-(max #)
Chlorine (mg/L) (Sch. 7-2(1), Point of Entry, 2-stage Disinfection)	8760	0.55 (min.)
Orangeville Distribution System		
Chlorine (mg/L) (Sch. 7-2(3), Dist. System)	1094	0.63-2.00

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	Minimum Result	Unit of Measure
Well 2A Treatment				
04 Dec 2015	Ultraviolet Intensity (UVI)	2019	32.6	W/m ²
Wells 5 and 5A Treatment				
04 Dec 2015	Ultraviolet Dose (UVD)	2019	40.4 (a)	mJ/cm ²
04 Dec 2015	Ultraviolet Transmittance (UVT)	2019	90.4	%
Wells 8B and 8C Treatment				
04 Dec 2015	Ultraviolet Intensity (UVI)	2019	31.0	W/m ²
Wells 9A and 9B Treatment				
04 Dec 2015	Ultraviolet Intensity (UVI)	2019	37.7	W/m ²
Well 10 Treatment				
04 Dec 2015	Ultraviolet Intensity (UVI)	2019	31.4	W/m ²
Well 12 Treatment				
04 Dec 2015	Ultraviolet Dose (UVD)	2019	49.5 (a)	mJ/cm ²
04 Dec 2015	Ultraviolet Transmittance (UVT)	2019	97.6	%

(a) Trojan UV Swift 12 units for Wells 5, 5A and 12 can maintain required UV dose based on real time values for flow, intensity and transmittance.

Summary of testing under Schedule 15.1-5 (10) 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	Parameter Tested	Number of Samples	Range of Results (min#) – (max #)	Unit of Measure	Number of Exceedances
Distribution (Sentry Monitoring, Winter 2019)	Lead	---	Not Tested in 2019.	ug/L	---
	Alkalinity	4	268 – 275	mg/L	N/A
	pH	4	6.3 – 7.7	none	N/A



Location Type	Parameter Tested	Number of Samples	Range of Results (min#) – (max #)	Unit of Measure	Number of Exceedances
Distribution (Sentry Monitoring, Summer 2019)	Lead	---	Not Tested in 2019.	ug/L	---
	Alkalinity	4	261 – 265	mg/L	N/A
	pH	4	7.3 – 7.4	none	N/A

Well 2A Treated Water: (Point of entry sample results)

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
8-Apr-19	WELL 2A TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
9-May-19	WELL 2A TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
12-Aug-19	WELL 2A TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
8-Apr-19	WELL 2A TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
9-May-19	WELL 2A TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
12-Aug-19	WELL 2A TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
8-Apr-19	WELL 2A TREATED	Treated	Barium (Ba)	81	ug/L	No
9-May-19	WELL 2A TREATED	Treated	Barium (Ba)	80	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Barium (Ba)	82	ug/L	No
12-Aug-19	WELL 2A TREATED	Treated	Barium (Ba)	79	ug/L	No
8-Apr-19	WELL 2A TREATED	Treated	Boron (B)	<50	ug/L	No
9-May-19	WELL 2A TREATED	Treated	Boron (B)	<50	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Boron (B)	<50	ug/L	No
12-Aug-19	WELL 2A TREATED	Treated	Boron (B)	<50	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Cadmium (Cd)	<0.10	ug/L	No
8-Apr-19	WELL 2A TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
9-May-19	WELL 2A TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Chromium (Cr)	1.2	ug/L	No
12-Aug-19	WELL 2A TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
8-Apr-19	WELL 2A TREATED	Treated	Fluoride (F)	0.205	mg/L	No
9-May-19	WELL 2A TREATED	Treated	Fluoride (F)	0.142	mg/L	No
18-Jul-19	WELL 2A TREATED	Treated	Fluoride (F)	0.197	mg/L	No
12-Aug-19	WELL 2A TREATED	Treated	Fluoride (F)	0.175	mg/L	No
8-Apr-19	WELL 2A TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
9-May-19	WELL 2A TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
12-Aug-19	WELL 2A TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Mercury	<0.10	ug/L	No
8-Apr-19	WELL 2A TREATED	Treated	Nitrate (as N)	5.09	mg/L	No
9-May-19	WELL 2A TREATED	Treated	Nitrate (as N)	4.86	mg/L	No
18-Jul-19	WELL 2A TREATED	Treated	Nitrate (as N)	3.76	mg/L	No
12-Aug-19	WELL 2A TREATED	Treated	Nitrate (as N)	3.78	mg/L	No
8-Apr-19	WELL 2A TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
9-May-19	WELL 2A TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
18-Jul-19	WELL 2A TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
12-Aug-19	WELL 2A TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
8-Apr-19	WELL 2A TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
9-May-19	WELL 2A TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Selenium (Se)	<5.0	ug/L	No
12-Aug-19	WELL 2A TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
8-Apr-19	WELL 2A TREATED	Treated	Sodium (Na)	30.1	mg/L	Yes
9-May-19	WELL 2A TREATED	Treated	Sodium (Na)	32.0	mg/L	Yes
18-Jul-19	WELL 2A TREATED	Treated	Sodium (Na)	28.3	mg/L	Yes
12-Aug-19	WELL 2A TREATED	Treated	Sodium (Na)	28.2	mg/L	Yes
8-Apr-19	WELL 2A TREATED	Treated	Uranium (U)	<2.0	ug/L	No
9-May-19	WELL 2A TREATED	Treated	Uranium (U)	<2.0	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Uranium (U)	<5.0	ug/L	No
12-Aug-19	WELL 2A TREATED	Treated	Uranium (U)	<2.0	ug/L	No

The lead testing summarized in this table is separate from the requirements of Regulation 170/03, Schedule 15.1, and has not been completed to satisfy any regulatory requirements. The lead results presented above are for supplemental information purposes only.

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
18-Jul-19	WELL 2A TREATED	Treated	1,1-dichloroethylene	<0.50	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	1,2-Dichlorobenzene	<0.50	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	1,2-Dichloroethane	<0.50	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	1,4-Dichlorobenzene	<0.50	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	2,3,4,6-Tetrachlorophenol	<0.50	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	2,4,6-Trichlorophenol	<0.50	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	2,4-D	<0.20	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	2,4-Dichlorophenol	<0.30	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Alachlor	<0.10	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Atrazine & Metabolites	<0.20	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Azinphos-methyl	<0.10	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Benzene	<0.50	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Benzo(a)pyrene	<0.0050	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Bromoxynil	<0.20	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Carbaryl	<0.20	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Carbofuran	<0.20	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Carbon tetrachloride	<0.20	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Chlorpyrifos	<0.10	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Diazinon	<0.10	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Dicamba	<0.20	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Dichloromethane	<5.0	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Diclofop-methyl	<0.20	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Dimethoate	<0.10	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Diquat	<1.0	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Diuron	<1.0	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Glyphosate	<5.0	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Malathion	<0.10	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	MCPA	<0.20	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Metolachlor	<0.10	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
18-Jul-19	WELL 2A TREATED	Treated	Metribuzin	<0.10	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Monochlorobenzene	<0.50	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Paraquat	<1.0	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Pentachlorophenol	<0.50	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Phorate	<0.10	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Picloram	<0.20	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Prometryne	<0.10	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Simazine	<0.10	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Terbufos	<0.20	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Tetrachloroethylene (perchloroethylene)	<0.50	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Total PCBs	<0.035	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Triallate	<0.10	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Trichloroethylene	<0.50	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Trifluralin	<0.10	ug/L	No
18-Jul-19	WELL 2A TREATED	Treated	Vinyl chloride	<0.20	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	N/A	N/A	N/A

Wells 5 and 5A Treated Water: *(Point of entry sample results)*

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
21-Jan-19	WELL 5 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
8-Apr-19	WELL 5 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
18-Jul-19	WELL 5 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
23-Oct-19	WELL 5 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
8-Apr-19	WELL 5 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
18-Jul-19	WELL 5 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
23-Oct-19	WELL 5 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Barium (Ba)	78	ug/L	No
8-Apr-19	WELL 5 TREATED	Treated	Barium (Ba)	78	ug/L	No
18-Jul-19	WELL 5 TREATED	Treated	Barium (Ba)	80	ug/L	No
23-Oct-19	WELL 5 TREATED	Treated	Barium (Ba)	76	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Boron (B)	<50	ug/L	No
8-Apr-19	WELL 5 TREATED	Treated	Boron (B)	<50	ug/L	No
18-Jul-19	WELL 5 TREATED	Treated	Boron (B)	<50	ug/L	No
23-Oct-19	WELL 5 TREATED	Treated	Boron (B)	<50	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Cadmium (Cd)	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Chromium (Cr)	1.4	ug/L	No
8-Apr-19	WELL 5 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
18-Jul-19	WELL 5 TREATED	Treated	Chromium (Cr)	1.6	ug/L	No
23-Oct-19	WELL 5 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Fluoride (F)	0.113	mg/L	No
8-Apr-19	WELL 5 TREATED	Treated	Fluoride (F)	0.109	mg/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
18-Jul-19	WELL 5 TREATED	Treated	Fluoride (F)	0.113	mg/L	No
23-Oct-19	WELL 5 TREATED	Treated	Fluoride (F)	0.109	mg/L	No
21-Jan-19	WELL 5 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
8-Apr-19	WELL 5 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
18-Jul-19	WELL 5 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
23-Oct-19	WELL 5 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Mercury	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Nitrate (as N)	5.32	mg/L	No
8-Apr-19	WELL 5 TREATED	Treated	Nitrate (as N)	5.13	mg/L	No
18-Jul-19	WELL 5 TREATED	Treated	Nitrate (as N)	4.91	mg/L	No
23-Oct-19	WELL 5 TREATED	Treated	Nitrate (as N)	5.51	mg/L	No
21-Jan-19	WELL 5 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
8-Apr-19	WELL 5 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
18-Jul-19	WELL 5 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
23-Oct-19	WELL 5 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
21-Jan-19	WELL 5 TREATED	Treated	Selenium (Se)	<5.0	ug/L	No
8-Apr-19	WELL 5 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
18-Jul-19	WELL 5 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
23-Oct-19	WELL 5 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Sodium (Na)	44.6	mg/L	Yes
8-Apr-19	WELL 5 TREATED	Treated	Sodium (Na)	45.0	mg/L	Yes
18-Jul-19	WELL 5 TREATED	Treated	Sodium (Na)	57.1	mg/L	Yes
23-Oct-19	WELL 5 TREATED	Treated	Sodium (Na)	48.4	mg/L	Yes
21-Jan-19	WELL 5 TREATED	Treated	Uranium (U)	<5.0	ug/L	No
8-Apr-19	WELL 5 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
18-Jul-19	WELL 5 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
23-Oct-19	WELL 5 TREATED	Treated	Uranium (U)	<2.0	ug/L	No

The lead testing summarized in this table is separate from the requirements of Regulation 170/03, Schedule 15.1, and has not been completed to satisfy any regulatory requirements. The lead results presented above are for supplemental information purposes only.

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
21-Jan-19	WELL 5 TREATED	Treated	1,1-dichloroethylene	<0.50	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	1,2-Dichlorobenzene	<0.50	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	1,2-Dichloroethane	<0.50	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	1,4-Dichlorobenzene	<0.50	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	2,3,4,6-Tetrachlorophenol	<0.50	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	2,4,6-Trichlorophenol	<0.50	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	2,4-D	<0.20	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	2,4-Dichlorophenol	<0.30	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Alachlor	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Atrazine & Metabolites	<0.20	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Azinphos-methyl	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Benzene	<0.50	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Benzo(a)pyrene	<0.010	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Bromoxynil	<0.20	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
21-Jan-19	WELL 5 TREATED	Treated	Carbaryl	<0.20	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Carbofuran	<0.20	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Carbon tetrachloride	<0.20	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Chlorpyrifos	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Diazinon	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Dicamba	<0.20	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Dichloromethane	<5.0	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Diclofop-methyl	<0.20	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Dimethoate	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Diquat	<1.0	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Diuron	<1.0	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Glyphosate	<5.0	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Malathion	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	MCPA	<0.20	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Metolachlor	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Metribuzin	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Monochlorobenzene	<0.50	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Paraquat	<1.0	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Pentachlorophenol	<0.50	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Phorate	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Picloram	<0.20	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Prometryne	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Simazine	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Terbufos	<0.20	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Total PCBs	<0.035	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Tetrachloroethylene (perchloroethylene)	<0.50	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Triallate	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Trichloroethylene	<0.50	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Trifluralin	<0.10	ug/L	No
21-Jan-19	WELL 5 TREATED	Treated	Vinyl chloride	<0.20	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	N/A	N/A	N/A

Well 6 Treated Water: (Point of entry sample results)

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
20-Feb-19	WELL 6 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
9-May-19	WELL 6 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
12-Aug-19	WELL 6 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
13-Nov-19	WELL 6 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
20-Feb-19	WELL 6 TREATED	Treated	Arsenic (As)	1.2	ug/L	No
9-May-19	WELL 6 TREATED	Treated	Arsenic (As)	1.3	ug/L	No
12-Aug-19	WELL 6 TREATED	Treated	Arsenic (As)	1.3	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
13-Nov-19	WELL 6 TREATED	Treated	Arsenic (As)	1.3	ug/L	No
20-Feb-19	WELL 6 TREATED	Treated	Barium (Ba)	180	ug/L	No
9-May-19	WELL 6 TREATED	Treated	Barium (Ba)	180	ug/L	No
12-Aug-19	WELL 6 TREATED	Treated	Barium (Ba)	159	ug/L	No
13-Nov-19	WELL 6 TREATED	Treated	Barium (Ba)	162	ug/L	No
20-Feb-19	WELL 6 TREATED	Treated	Boron (B)	<50	ug/L	No
9-May-19	WELL 6 TREATED	Treated	Boron (B)	<50	ug/L	No
12-Aug-19	WELL 6 TREATED	Treated	Boron (B)	<50	ug/L	No
13-Nov-19	WELL 6 TREATED	Treated	Boron (B)	<50	ug/L	No
9-May-19	WELL 6 TREATED	Treated	Cadmium (Cd)	<0.10	ug/L	No
20-Feb-19	WELL 6 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
9-May-19	WELL 6 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
12-Aug-19	WELL 6 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
13-Nov-19	WELL 6 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
20-Feb-19	WELL 6 TREATED	Treated	Fluoride (F)	0.114	mg/L	No
9-May-19	WELL 6 TREATED	Treated	Fluoride (F)	0.078	mg/L	No
12-Aug-19	WELL 6 TREATED	Treated	Fluoride (F)	0.095	mg/L	No
13-Nov-19	WELL 6 TREATED	Treated	Fluoride (F)	0.13	mg/L	No
20-Feb-19	WELL 6 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
9-May-19	WELL 6 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
12-Aug-19	WELL 6 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
13-Nov-19	WELL 6 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
9-May-19	WELL 6 TREATED	Treated	Mercury	<0.10	ug/L	No
20-Feb-19	WELL 6 TREATED	Treated	Nitrate (as N)	0.061	mg/L	No
9-May-19	WELL 6 TREATED	Treated	Nitrate (as N)	0.054	mg/L	No
12-Aug-19	WELL 6 TREATED	Treated	Nitrate (as N)	0.053	mg/L	No
13-Nov-19	WELL 6 TREATED	Treated	Nitrate (as N)	<0.10	mg/L	No
20-Feb-19	WELL 6 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
9-May-19	WELL 6 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
12-Aug-19	WELL 6 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
13-Nov-19	WELL 6 TREATED	Treated	Nitrite (as N)	<0.050	mg/L	No
20-Feb-19	WELL 6 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
9-May-19	WELL 6 TREATED	Treated	Selenium (Se)	<5.0	ug/L	No
12-Aug-19	WELL 6 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
13-Nov-19	WELL 6 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
20-Feb-19	WELL 6 TREATED	Treated	Sodium (Na)	118	mg/L	Yes
9-May-19	WELL 6 TREATED	Treated	Sodium (Na)	125	mg/L	Yes
12-Aug-19	WELL 6 TREATED	Treated	Sodium (Na)	113	mg/L	Yes
13-Nov-19	WELL 6 TREATED	Treated	Sodium (Na)	108	mg/L	Yes
20-Feb-19	WELL 6 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
9-May-19	WELL 6 TREATED	Treated	Uranium (U)	<5.0	ug/L	No
12-Aug-19	WELL 6 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
13-Nov-19	WELL 6 TREATED	Treated	Uranium (U)	<2.0	ug/L	No

The lead testing summarized in this table is separate from the requirements of Regulation 170/03, Schedule 15.1, and has not been completed to satisfy any regulatory requirements. The lead results presented above are for supplemental information purposes only.



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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
09-May-19	WELL 6 TREATED	Treated	1,1-dichloroethylene	<0.50	ug/L	No
09-May-19	WELL 6 TREATED	Treated	1,2-Dichlorobenzene	<0.50	ug/L	No
09-May-19	WELL 6 TREATED	Treated	1,2-Dichloroethane	<0.50	ug/L	No
09-May-19	WELL 6 TREATED	Treated	1,4-Dichlorobenzene	<0.50	ug/L	No
09-May-19	WELL 6 TREATED	Treated	2,3,4,6-Tetrachlorophenol	<0.50	ug/L	No
09-May-19	WELL 6 TREATED	Treated	2,4,6-Trichlorophenol	<0.50	ug/L	No
09-May-19	WELL 6 TREATED	Treated	2,4-D	<0.20	ug/L	No
09-May-19	WELL 6 TREATED	Treated	2,4-Dichlorophenol	<0.30	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Alachlor	<0.10	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Atrazine & Metabolites	<0.20	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Azinphos-methyl	<0.10	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Benzene	<0.50	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Benzo(a)pyrene	<0.0050	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Bromoxynil	<0.20	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Carbaryl	<0.20	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Carbofuran	<0.20	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Carbon tetrachloride	<0.20	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Chlorpyrifos	<0.10	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Diazinon	<0.10	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Dicamba	<0.20	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Dichloromethane	<5.0	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Diclofop-methyl	<0.20	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Dimethoate	<0.10	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Diquat	<1.0	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Diuron	<1.0	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Glyphosate	<5.0	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Malathion	<0.10	ug/L	No
09-May-19	WELL 6 TREATED	Treated	MCPA	<0.20	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Metolachlor	<0.10	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Metribuzin	<0.10	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Monochlorobenzene	<0.50	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Paraquat	<1.0	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Pentachlorophenol	<0.50	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Phorate	<0.10	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Picloram	<0.20	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Prometryne	<0.10	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Simazine	<0.10	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Terbufos	<0.20	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Tetrachloroethylene (perchloroethylene)	<0.50	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Total PCBs	<0.035	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Triallate	<0.10	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Trichloroethylene	<0.50	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Trifluralin	<0.10	ug/L	No
09-May-19	WELL 6 TREATED	Treated	Vinyl chloride	<0.20	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	N/A	N/A	N/A

Well 7 Treated Water: (Point of entry sample results)

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
19-Mar-19	WELL 7 TREATED	Treated	Antimony	0.09 <MDL	ug/L	No
05-Jun-19	WELL 7 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
16-Sep-19	WELL 7 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
12-Dec-19	WELL 7 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Arsenic	0.6	ug/L	No
05-Jun-19	WELL 7 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
16-Sep-19	WELL 7 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
12-Dec-19	WELL 7 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Barium	113	ug/L	No
05-Jun-19	WELL 7 TREATED	Treated	Barium (Ba)	138	ug/L	No
16-Sep-19	WELL 7 TREATED	Treated	Barium (Ba)	133	ug/L	No
12-Dec-19	WELL 7 TREATED	Treated	Barium (Ba)	125	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Boron	12	ug/L	No
05-Jun-19	WELL 7 TREATED	Treated	Boron (B)	<50	ug/L	No
16-Sep-19	WELL 7 TREATED	Treated	Boron (B)	<50	ug/L	No
12-Dec-19	WELL 7 TREATED	Treated	Boron (B)	<50	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Cadmium	0.003 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Chromium	0.08 <MDL	ug/L	No
05-Jun-19	WELL 7 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
16-Sep-19	WELL 7 TREATED	Treated	Chromium (Cr)	1.1	ug/L	No
12-Dec-19	WELL 7 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Fluoride	0.13	mg/L	No
05-Jun-19	WELL 7 TREATED	Treated	Fluoride (F)	0.122	mg/L	No
16-Sep-19	WELL 7 TREATED	Treated	Fluoride (F)	0.121	mg/L	No
12-Dec-19	WELL 7 TREATED	Treated	Fluoride (F)	0.131	mg/L	No
19-Mar-19	WELL 7 TREATED	Treated	Lead	0.08	ug/L	No
05-Jun-19	WELL 7 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
16-Sep-19	WELL 7 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
12-Dec-19	WELL 7 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Mercury	0.01 <MDL	ug/L	No
05-Jun-19	WELL 7 TREATED	Treated	Nitrate (as N)	<0.020	mg/L	No
16-Sep-19	WELL 7 TREATED	Treated	Nitrate (as N)	<0.020	mg/L	No
12-Dec-19	WELL 7 TREATED	Treated	Nitrate (as N)	<0.020	mg/L	No
19-Mar-19	WELL 7 TREATED	Treated	Nitrate (as N)	0.006 <MDL	mg/L	No
05-Jun-19	WELL 7 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
16-Sep-19	WELL 7 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
12-Dec-19	WELL 7 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
19-Mar-19	WELL 7 TREATED	Treated	Nitrite (as N)	0.003 <MDL	mg/L	No
19-Mar-19	WELL 7 TREATED	Treated	Selenium	0.04 <MDL	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
05-Jun-19	WELL 7 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
16-Sep-19	WELL 7 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
12-Dec-19	WELL 7 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Sodium	8.09	mg/L	No
05-Jun-19	WELL 7 TREATED	Treated	Sodium (Na)	9.70	mg/L	No
16-Sep-19	WELL 7 TREATED	Treated	Sodium (Na)	8.15	mg/L	No
12-Dec-19	WELL 7 TREATED	Treated	Sodium (Na)	9.45	mg/L	No
19-Mar-19	WELL 7 TREATED	Treated	Uranium	0.207	ug/L	No
05-Jun-19	WELL 7 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
16-Sep-19	WELL 7 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
12-Dec-19	WELL 7 TREATED	Treated	Uranium (U)	<2.0	ug/L	No

The lead testing summarized in this table is separate from the requirements of Regulation 170/03, Schedule 15.1, and has not been completed to satisfy any regulatory requirements. The lead results presented above are for supplemental information purposes only.

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
19-Mar-19	WELL 7 TREATED	Treated	1,1-Dichloroethylene	0.33 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	1,2-Dichlorobenzene	0.41 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	1,2-Dichloroethane	0.35 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	1,4-Dichlorobenzene	0.36 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	2,3,4,6-tetrachlorophenol	0.20 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	2,4,6-trichlorophenol	0.25 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	2,4-dichlorophenol	0.15 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	2,4-dichlorophenoxyacetic acid (2,4-D)	0.19 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Alachlor	0.02 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Atrazine + N-dealkylated metabolites	0.01 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Azinphos-methyl	0.05 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Benzene	0.32 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Benzo(a)pyrene	0.004 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Bromoxynil	0.33 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Carbaryl	0.05 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Carbofuran	0.01 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Carbon tetrachloride	0.17 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Chlorpyrifos	0.02 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Diazinon	0.02 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Dicamba	0.20 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Dichloromethane	0.35 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Diclofop-methyl	0.40 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Dimethoate	0.06 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Diquat	1 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Diuron	0.03 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Glyphosate	1 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Malathion	0.02 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	MCPA	0.00012 <MDL	mg/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
19-Mar-19	WELL 7 TREATED	Treated	Metolachlor	0.01 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Metribuzin	0.02 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Monochlorobenzene	0.3 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Paraquat	1 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Pentachlorophenol	0.15 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Phorate	0.01 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Picloram	1 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Prometryne	0.03 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Simazine	0.01 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Terbufos	0.01 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Tetrachloroethylene (perchloroethylene)	0.35 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Total PCBs	0.04 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Triallate	0.01 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Trichloroethylene	0.44 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Trifluralin	0.02 <MDL	ug/L	No
19-Mar-19	WELL 7 TREATED	Treated	Vinyl Chloride	0.17 <MDL	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	N/A	N/A	N/A

Well 8 Treated Water: (Point of entry sample results)

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
19-Mar-19	WELL 8 TREATED	Treated	Antimony	0.09 <MDL	ug/L	No
05-Jun-19	WELL 8 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
16-Sep-19	WELL 8 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
19-Mar-19	WELL 8 TREATED	Treated	Arsenic	0.2	ug/L	No
05-Jun-19	WELL 8 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
16-Sep-19	WELL 8 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
19-Mar-19	WELL 8 TREATED	Treated	Barium	93.6	ug/L	No
05-Jun-19	WELL 8 TREATED	Treated	Barium (Ba)	107	ug/L	No
16-Sep-19	WELL 8 TREATED	Treated	Barium (Ba)	101	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Barium (Ba)	101	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Barium (Ba)	101	ug/L	No
19-Mar-19	WELL 8 TREATED	Treated	Boron	11	ug/L	No
05-Jun-19	WELL 8 TREATED	Treated	Boron (B)	<50	ug/L	No
16-Sep-19	WELL 8 TREATED	Treated	Boron (B)	<50	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Boron (B)	<50	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Boron (B)	<50	ug/L	No
19-Mar-19	WELL 8 TREATED	Treated	Cadmium	0.008	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Cadmium (Cd)	<0.10	ug/L	No

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
19-Mar-19	WELL 8 TREATED	Treated	Chromium	0.23	µg/L	No
05-Jun-19	WELL 8 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
16-Sep-19	WELL 8 TREATED	Treated	Chromium (Cr)	1.4	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
19-Mar-19	WELL 8 TREATED	Treated	Fluoride	0.14	mg/L	No
05-Jun-19	WELL 8 TREATED	Treated	Fluoride (F)	0.148	mg/L	No
16-Sep-19	WELL 8 TREATED	Treated	Fluoride (F)	0.121	mg/L	No
12-Dec-19	WELL 8 TREATED	Treated	Fluoride (F)	0.147	mg/L	No
19-Mar-19	WELL 8 TREATED	Treated	Lead	0.02	ug/L	No
05-Jun-19	WELL 8 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
16-Sep-19	WELL 8 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Mercury	<0.10	ug/L	No
05-Jun-19	WELL 8 TREATED	Treated	Nitrate (as N)	1.87	mg/L	No
16-Sep-19	WELL 8 TREATED	Treated	Nitrate (as N)	1.86	mg/L	No
12-Dec-19	WELL 8 TREATED	Treated	Nitrate (as N)	1.28	mg/L	No
19-Mar-19	WELL 8 TREATED	Treated	Nitrate (as N)	1.76	mg/L	No
05-Jun-19	WELL 8 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
16-Sep-19	WELL 8 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
12-Dec-19	WELL 8 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
19-Mar-19	WELL 8 TREATED	Treated	Nitrite (as N)	0.003 <MDL	mg/L	No
19-Mar-19	WELL 8 TREATED	Treated	Selenium	0.09	ug/L	No
05-Jun-19	WELL 8 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
16-Sep-19	WELL 8 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Selenium (Se)	<5.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
19-Mar-19	WELL 8 TREATED	Treated	Sodium	20.8	mg/L	Yes
05-Jun-19	WELL 8 TREATED	Treated	Sodium (Na)	24.2	mg/L	Yes
16-Sep-19	WELL 8 TREATED	Treated	Sodium (Na)	27.3	mg/L	Yes
12-Dec-19	WELL 8 TREATED	Treated	Sodium (Na)	21.4	mg/L	Yes
19-Mar-19	WELL 8 TREATED	Treated	Uranium	0.298	ug/L	No
05-Jun-19	WELL 8 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
16-Sep-19	WELL 8 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Uranium (U)	<5.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Uranium (U)	<2.0	ug/L	No

The lead testing summarized in this table is separate from the requirements of Regulation 170/03, Schedule 15.1, and has not been completed to satisfy any regulatory requirements. The lead results presented above are for supplemental information purposes only.

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
12-Dec-19	WELL 8 TREATED	Treated	1,1-dichloroethylene	<0.50	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	1,2-Dichlorobenzene	<0.50	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	1,2-Dichloroethane	<0.50	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	1,4-Dichlorobenzene	<0.50	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	2,3,4,6-Tetrachlorophenol	<0.50	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
12-Dec-19	WELL 8 TREATED	Treated	2,4,6-Trichlorophenol	<0.50	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	2,4-D	<0.20	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	2,4-Dichlorophenol	<0.30	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Alachlor	<0.10	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Atrazine & Metabolites	<0.20	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Azinphos-methyl	<0.10	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Benzene	<0.50	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Benzo(a)pyrene	<0.0050	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Bromoxynil	<0.20	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Carbaryl	<0.20	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Carbofuran	<0.20	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Carbon tetrachloride	<0.20	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Chlorpyrifos	<0.10	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Diazinon	<0.10	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Dicamba	<0.20	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Dichloromethane	<5.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Diclofop-methyl	<0.20	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Dimethoate	<0.10	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Diquat	<1.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Diuron	<1.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Glyphosate	<5.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Malathion	<0.10	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	MCPA	<0.20	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Metolachlor	<0.10	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Metribuzin	<0.10	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Monochlorobenzene	<0.50	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Paraquat	<1.0	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Pentachlorophenol	<0.50	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Phorate	<0.10	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Picloram	<0.20	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Prometryne	<0.10	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Simazine	<0.10	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Terbufos	<0.20	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Tetrachloroethylene (perchloroethylene)	<0.50	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Total PCBs	<0.035	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Triallate	<0.10	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Trichloroethylene	<0.50	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Trifluralin	<0.10	ug/L	No
12-Dec-19	WELL 8 TREATED	Treated	Vinyl chloride	<0.20	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	N/A	N/A	N/A



Wells 9A and 9B Treated Water: (Point of entry sample results)

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
21-Feb-19	WELL 9 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
09-May-19	WELL 9 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
13-Nov-19	WELL 9 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
21-Feb-19	WELL 9 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
09-May-19	WELL 9 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
13-Nov-19	WELL 9 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
21-Feb-19	WELL 9 TREATED	Treated	Barium (Ba)	88	ug/L	No
09-May-19	WELL 9 TREATED	Treated	Barium (Ba)	89	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Barium (Ba)	95	ug/L	No
13-Nov-19	WELL 9 TREATED	Treated	Barium (Ba)	94	ug/L	No
21-Feb-19	WELL 9 TREATED	Treated	Boron (B)	<50	ug/L	No
09-May-19	WELL 9 TREATED	Treated	Boron (B)	<50	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Boron (B)	<50	ug/L	No
13-Nov-19	WELL 9 TREATED	Treated	Boron (B)	<50	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Cadmium (Cd)	<0.10	ug/L	No
21-Feb-19	WELL 9 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
09-May-19	WELL 9 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
13-Nov-19	WELL 9 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
21-Feb-19	WELL 9 TREATED	Treated	Fluoride (F)	0.127	mg/L	No
09-May-19	WELL 9 TREATED	Treated	Fluoride (F)	0.089	mg/L	No
12-Aug-19	WELL 9 TREATED	Treated	Fluoride (F)	0.100	mg/L	No
13-Nov-19	WELL 9 TREATED	Treated	Fluoride (F)	0.10	mg/L	No
21-Feb-19	WELL 9 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
09-May-19	WELL 9 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
13-Nov-19	WELL 9 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Mercury	<0.10	ug/L	No
21-Feb-19	WELL 9 TREATED	Treated	Nitrate (as N)	3.92	mg/L	No
09-May-19	WELL 9 TREATED	Treated	Nitrate (as N)	3.99	mg/L	No
12-Aug-19	WELL 9 TREATED	Treated	Nitrate (as N)	4.33	mg/L	No
13-Nov-19	WELL 9 TREATED	Treated	Nitrate (as N)	4.01	mg/L	No
21-Feb-19	WELL 9 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
09-May-19	WELL 9 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
12-Aug-19	WELL 9 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
13-Nov-19	WELL 9 TREATED	Treated	Nitrite (as N)	<0.050	mg/L	No
21-Feb-19	WELL 9 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
09-May-19	WELL 9 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Selenium (Se)	<5.0	ug/L	No
13-Nov-19	WELL 9 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
21-Feb-19	WELL 9 TREATED	Treated	Sodium (Na)	159	mg/L	Yes
09-May-19	WELL 9 TREATED	Treated	Sodium (Na)	154	mg/L	Yes
12-Aug-19	WELL 9 TREATED	Treated	Sodium (Na)	160	mg/L	Yes
13-Nov-19	WELL 9 TREATED	Treated	Sodium (Na)	165	mg/L	Yes
21-Feb-19	WELL 9 TREATED	Treated	Uranium (U)	<2.0	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
09-May-19	WELL 9 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Uranium (U)	<5.0	ug/L	No
13-Nov-19	WELL 9 TREATED	Treated	Uranium (U)	<2.0	ug/L	No

The lead testing summarized in this table is separate from the requirements of Regulation 170/03, Schedule 15.1, and has not been completed to satisfy any regulatory requirements. The lead results presented above are for supplemental information purposes only.

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
12-Aug-19	WELL 9 TREATED	Treated	1,1-dichloroethylene	<0.50	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	1,2-Dichlorobenzene	<0.50	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	1,2-Dichloroethane	<0.50	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	1,4-Dichlorobenzene	<0.50	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	2,3,4,6-Tetrachlorophenol	<0.50	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	2,4,6-Trichlorophenol	<0.50	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	2,4-D	<0.20	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	2,4-Dichlorophenol	<0.30	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Alachlor	<0.10	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Atrazine & Metabolites	<0.20	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Azinphos-methyl	<0.10	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Benzene	<0.50	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Benzo(a)pyrene	<0.0050	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Bromoxynil	<0.20	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Carbaryl	<0.20	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Carbofuran	<0.20	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Carbon tetrachloride	<0.20	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Chlorpyrifos	<0.10	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Diazinon	<0.10	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Dicamba	<0.20	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Dichloromethane	<5.0	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Diclofop-methyl	<0.20	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Dimethoate	<0.10	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Diquat	<1.0	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Diuron	<1.0	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Glyphosate	<5.0	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Malathion	<0.10	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	MCPA	<0.20	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Metolachlor	<0.10	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Metribuzin	<0.10	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Monochlorobenzene	<0.50	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Paraquat	<1.0	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Pentachlorophenol	<0.50	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Phorate	<0.10	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Picloram	<0.20	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Prometryne	<0.10	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Simazine	<0.10	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Terbufos	<0.20	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Tetrachloroethylene	<0.50	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
			(perchloroethylene)			
12-Aug-19	WELL 9 TREATED	Treated	Total PCBs	<0.035	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Triallate	<0.10	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Trichloroethylene	<0.50	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Trifluralin	<0.10	ug/L	No
12-Aug-19	WELL 9 TREATED	Treated	Vinyl chloride	<0.20	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	N/A	N/A	N/A

Well 10 Treated Water: (Point of entry sample results)

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
22-Jan-19	WELL 10 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
08-Apr-19	WELL 10 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
18-Jul-19	WELL 10 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
23-Oct-19	WELL 10 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
22-Jan-19	WELL 10 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
08-Apr-19	WELL 10 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
18-Jul-19	WELL 10 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
23-Oct-19	WELL 10 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
22-Jan-19	WELL 10 TREATED	Treated	Barium (Ba)	129	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Barium (Ba)	133	ug/L	No
08-Apr-19	WELL 10 TREATED	Treated	Barium (Ba)	132	ug/L	No
18-Jul-19	WELL 10 TREATED	Treated	Barium (Ba)	135	ug/L	No
23-Oct-19	WELL 10 TREATED	Treated	Barium (Ba)	134	ug/L	No
22-Jan-19	WELL 10 TREATED	Treated	Boron (B)	163	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Boron (B)	146	ug/L	No
08-Apr-19	WELL 10 TREATED	Treated	Boron (B)	152	ug/L	No
18-Jul-19	WELL 10 TREATED	Treated	Boron (B)	145	ug/L	No
23-Oct-19	WELL 10 TREATED	Treated	Boron (B)	155	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Cadmium (Cd)	<0.10	ug/L	No
22-Jan-19	WELL 10 TREATED	Treated	Chromium (Cr)	1.6	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
08-Apr-19	WELL 10 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
18-Jul-19	WELL 10 TREATED	Treated	Chromium (Cr)	1.3	ug/L	No
23-Oct-19	WELL 10 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
22-Jan-19	WELL 10 TREATED	Treated	Fluoride (F)	0.095	mg/L	No
08-Apr-19	WELL 10 TREATED	Treated	Fluoride (F)	0.095	mg/L	No
18-Jul-19	WELL 10 TREATED	Treated	Fluoride (F)	0.087	mg/L	No
23-Oct-19	WELL 10 TREATED	Treated	Fluoride (F)	0.093	mg/L	No
22-Jan-19	WELL 10 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
08-Apr-19	WELL 10 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
18-Jul-19	WELL 10 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
23-Oct-19	WELL 10 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Mercury	<0.10	ug/L	No
22-Jan-19	WELL 10 TREATED	Treated	Nitrate (as N)	<0.020	mg/L	No
08-Apr-19	WELL 10 TREATED	Treated	Nitrate (as N)	<0.020	mg/L	No
18-Jul-19	WELL 10 TREATED	Treated	Nitrate (as N)	<0.020	mg/L	No
23-Oct-19	WELL 10 TREATED	Treated	Nitrate (as N)	<0.020	mg/L	No
22-Jan-19	WELL 10 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
08-Apr-19	WELL 10 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
18-Jul-19	WELL 10 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
23-Oct-19	WELL 10 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
22-Jan-19	WELL 10 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Selenium (Se)	<5.0	ug/L	No
08-Apr-19	WELL 10 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
18-Jul-19	WELL 10 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
23-Oct-19	WELL 10 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
22-Jan-19	WELL 10 TREATED	Treated	Sodium (Na)	71.5	mg/L	Yes
08-Apr-19	WELL 10 TREATED	Treated	Sodium (Na)	69.5	mg/L	Yes
18-Jul-19	WELL 10 TREATED	Treated	Sodium (Na)	71.5	mg/L	Yes
23-Oct-19	WELL 10 TREATED	Treated	Sodium (Na)	72.9	mg/L	Yes
22-Jan-19	WELL 10 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Uranium (U)	<5.0	ug/L	No
08-Apr-19	WELL 10 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
18-Jul-19	WELL 10 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
23-Oct-19	WELL 10 TREATED	Treated	Uranium (U)	<2.0	ug/L	No

The lead testing summarized in this table is separate from the requirements of Regulation 170/03, Schedule 15.1, and has not been completed to satisfy any regulatory requirements. The lead results presented above are for supplemental information purposes only.

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
21-Feb-19	WELL 10 TREATED	Treated	1,1-dichloroethylene	<0.50	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	1,2-Dichlorobenzene	<0.50	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	1,2-Dichloroethane	<0.50	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	1,4-Dichlorobenzene	<0.50	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	2,3,4,6-Tetrachlorophenol	<0.50	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	2,4,6-Trichlorophenol	<0.50	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	2,4-D	<0.20	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	2,4-Dichlorophenol	<0.30	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Alachlor	<0.10	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Atrazine & Metabolites	<0.20	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Azinphos-methyl	<0.10	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Benzene	<0.50	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Benzo(a)pyrene	<0.010	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Bromoxynil	<0.20	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Carbaryl	<0.20	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Carbofuran	<0.20	ug/L	No

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
21-Feb-19	WELL 10 TREATED	Treated	Carbon tetrachloride	<0.20	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Chlorpyrifos	<0.10	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Diazinon	<0.10	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Dicamba	<0.20	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Dichloromethane	<5.0	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Diclofop-methyl	<0.20	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Dimethoate	<0.10	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Diquat	<1.0	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Diuron	<1.0	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Glyphosate	<5.0	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Malathion	<0.10	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	MCPA	<0.20	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Metolachlor	<0.10	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Metribuzin	<0.10	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Monochlorobenzene	<0.50	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Paraquat	<1.0	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Pentachlorophenol	<0.50	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Phorate	<0.10	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Picloram	<0.20	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Prometryne	<0.10	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Simazine	<0.10	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Terbufos	<0.20	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Tetrachloroethylene (perchloroethylene)	<0.50	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Total PCBs	<0.035	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Triallate	<0.10	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Trichloroethylene	<0.50	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Trifluralin	<0.10	ug/L	No
21-Feb-19	WELL 10 TREATED	Treated	Vinyl chloride	<0.20	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	N/A	N/A	N/A

Well 11 Treated Water: (Point of entry sample results)

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
21-Feb-19	WELL 11 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
09-May-19	WELL 11 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
12-Aug-19	WELL 11 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
21-Feb-19	WELL 11 TREATED	Treated	Arsenic (As)	4.7	ug/L	No
09-May-19	WELL 11 TREATED	Treated	Arsenic (As)	5.4	ug/L	No
12-Aug-19	WELL 11 TREATED	Treated	Arsenic (As)	4.7	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Arsenic (As)	5.0	ug/L	No
21-Feb-19	WELL 11 TREATED	Treated	Barium (Ba)	203	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
09-May-19	WELL 11 TREATED	Treated	Barium (Ba)	195	ug/L	No
12-Aug-19	WELL 11 TREATED	Treated	Barium (Ba)	188	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Barium (Ba)	191	ug/L	No
21-Feb-19	WELL 11 TREATED	Treated	Boron (B)	<50	ug/L	No
09-May-19	WELL 11 TREATED	Treated	Boron (B)	<50	ug/L	No
12-Aug-19	WELL 11 TREATED	Treated	Boron (B)	<50	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Boron (B)	<50	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Cadmium (Cd)	<0.10	ug/L	No
21-Feb-19	WELL 11 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
09-May-19	WELL 11 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
12-Aug-19	WELL 11 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
21-Feb-19	WELL 11 TREATED	Treated	Fluoride (F)	0.107	mg/L	No
09-May-19	WELL 11 TREATED	Treated	Fluoride (F)	<0.10	mg/L	No
12-Aug-19	WELL 11 TREATED	Treated	Fluoride (F)	0.106	mg/L	No
13-Nov-19	WELL 11 TREATED	Treated	Fluoride (F)	<0.10	mg/L	No
21-Feb-19	WELL 11 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
09-May-19	WELL 11 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
12-Aug-19	WELL 11 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Mercury	<0.10	ug/L	No
21-Feb-19	WELL 11 TREATED	Treated	Nitrate (as N)	<0.020	mg/L	No
09-May-19	WELL 11 TREATED	Treated	Nitrate (as N)	<0.10	mg/L	No
12-Aug-19	WELL 11 TREATED	Treated	Nitrate (as N)	<0.020	mg/L	No
13-Nov-19	WELL 11 TREATED	Treated	Nitrate (as N)	<0.10	mg/L	No
21-Feb-19	WELL 11 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
09-May-19	WELL 11 TREATED	Treated	Nitrite (as N)	<0.050	mg/L	No
12-Aug-19	WELL 11 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
13-Nov-19	WELL 11 TREATED	Treated	Nitrite (as N)	<0.050	mg/L	No
21-Feb-19	WELL 11 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
09-May-19	WELL 11 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
12-Aug-19	WELL 11 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Selenium (Se)	<5.0	ug/L	No
21-Feb-19	WELL 11 TREATED	Treated	Sodium (Na)	68.0	mg/L	Yes
09-May-19	WELL 11 TREATED	Treated	Sodium (Na)	66.5	mg/L	Yes
12-Aug-19	WELL 11 TREATED	Treated	Sodium (Na)	65.3	mg/L	Yes
13-Nov-19	WELL 11 TREATED	Treated	Sodium (Na)	69.0	mg/L	Yes
21-Feb-19	WELL 11 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
09-May-19	WELL 11 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
12-Aug-19	WELL 11 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Uranium (U)	<5.0	ug/L	No

The lead testing summarized in this table is separate from the requirements of Regulation 170/03, Schedule 15.1, and has not been completed to satisfy any regulatory requirements. The lead results presented above are for supplemental information purposes only.

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
13-Nov-19	WELL 11 TREATED	Treated	1,1-dichloroethylene	<0.50	ug/L	No

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
13-Nov-19	WELL 11 TREATED	Treated	1,2-Dichlorobenzene	<0.50	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	1,2-Dichloroethane	<0.50	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	1,4-Dichlorobenzene	<0.50	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	2,3,4,6-Tetrachlorophenol	<0.50	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	2,4,6-Trichlorophenol	<0.50	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	2,4-D	<0.20	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	2,4-Dichlorophenol	<0.30	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Alachlor	<0.10	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Atrazine & Metabolites	<0.20	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Azinphos-methyl	<0.10	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Benzene	<0.50	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Benzo(a)pyrene	<0.0050	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Bromoxynil	<0.20	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Carbaryl	<0.20	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Carbofuran	<0.20	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Carbon tetrachloride	<0.20	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Chlorpyrifos	<0.10	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Diazinon	<0.10	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Dicamba	<0.20	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Dichloromethane	<5.0	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Diclofop-methyl	<0.20	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Dimethoate	<0.10	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Diquat	<1.0	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Diuron	<1.0	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Glyphosate	<5.0	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Malathion	<0.10	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	MCPA	<0.20	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Metolachlor	<0.10	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Metribuzin	<0.10	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Monochlorobenzene	<0.50	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Paraquat	<1.0	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Pentachlorophenol	<0.50	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Phorate	<0.10	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Picloram	<0.20	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Prometryne	<0.10	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Simazine	<0.10	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Terbufos	<0.20	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Tetrachloroethylene (perchloroethylene)	<0.50	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Total PCBs	<0.035	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Triallate	<0.10	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Trichloroethylene	<0.50	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Trifluralin	<0.10	ug/L	No
13-Nov-19	WELL 11 TREATED	Treated	Vinyl chloride	<0.20	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
Arsenic (As)	5.4	ug/L	09 May 2019



Well 12 Treated Water: (Point of entry sample results)

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
21-Jan-19	WELL 12 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
08-Apr-19	WELL 12 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
18-Jul-19	WELL 12 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
23-Oct-19	WELL 12 TREATED	Treated	Antimony (Sb)	<0.60	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
08-Apr-19	WELL 12 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
18-Jul-19	WELL 12 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
23-Oct-19	WELL 12 TREATED	Treated	Arsenic (As)	<1.0	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Barium (Ba)	86	ug/L	No
08-Apr-19	WELL 12 TREATED	Treated	Barium (Ba)	91	ug/L	No
18-Jul-19	WELL 12 TREATED	Treated	Barium (Ba)	93	ug/L	No
23-Oct-19	WELL 12 TREATED	Treated	Barium (Ba)	90	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Boron (B)	<50	ug/L	No
08-Apr-19	WELL 12 TREATED	Treated	Boron (B)	<50	ug/L	No
18-Jul-19	WELL 12 TREATED	Treated	Boron (B)	<50	ug/L	No
23-Oct-19	WELL 12 TREATED	Treated	Boron (B)	<50	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Cadmium (Cd)	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
08-Apr-19	WELL 12 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
18-Jul-19	WELL 12 TREATED	Treated	Chromium (Cr)	1.4	ug/L	No
23-Oct-19	WELL 12 TREATED	Treated	Chromium (Cr)	<1.0	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Fluoride (F)	0.136	mg/L	No
08-Apr-19	WELL 12 TREATED	Treated	Fluoride (F)	0.130	mg/L	No
18-Jul-19	WELL 12 TREATED	Treated	Fluoride (F)	0.122	mg/L	No
23-Oct-19	WELL 12 TREATED	Treated	Fluoride (F)	0.126	mg/L	No
21-Jan-19	WELL 12 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
08-Apr-19	WELL 12 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
18-Jul-19	WELL 12 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
23-Oct-19	WELL 12 TREATED	Treated	Lead (Pb)	<1.0	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Mercury	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Nitrate (as N)	0.488	mg/L	No
08-Apr-19	WELL 12 TREATED	Treated	Nitrate (as N)	0.450	mg/L	No
18-Jul-19	WELL 12 TREATED	Treated	Nitrate (as N)	0.529	mg/L	No
23-Oct-19	WELL 12 TREATED	Treated	Nitrate (as N)	0.552	mg/L	No
21-Jan-19	WELL 12 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
08-Apr-19	WELL 12 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
18-Jul-19	WELL 12 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
23-Oct-19	WELL 12 TREATED	Treated	Nitrite (as N)	<0.010	mg/L	No
21-Jan-19	WELL 12 TREATED	Treated	Selenium (Se)	<5.0	ug/L	No
08-Apr-19	WELL 12 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
18-Jul-19	WELL 12 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
23-Oct-19	WELL 12 TREATED	Treated	Selenium (Se)	<1.0	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Sodium (Na)	12.9	mg/L	No
08-Apr-19	WELL 12 TREATED	Treated	Sodium (Na)	13.9	mg/L	No
18-Jul-19	WELL 12 TREATED	Treated	Sodium (Na)	15.3	mg/L	No
23-Oct-19	WELL 12 TREATED	Treated	Sodium (Na)	14.2	mg/L	No
21-Jan-19	WELL 12 TREATED	Treated	Uranium (U)	<5.0	ug/L	No

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
08-Apr-19	WELL 12 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
18-Jul-19	WELL 12 TREATED	Treated	Uranium (U)	<2.0	ug/L	No
23-Oct-19	WELL 12 TREATED	Treated	Uranium (U)	<2.0	ug/L	No

The lead testing summarized in this table is separate from the requirements of Regulation 170/03, Schedule 15.1, and has not been completed to satisfy any regulatory requirements. The lead results presented above are for supplemental information purposes only.

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

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
21-Jan-19	WELL 12 TREATED	Treated	1,1-dichloroethylene	<0.50	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	1,2-Dichlorobenzene	<0.50	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	1,2-Dichloroethane	<0.50	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	1,4-Dichlorobenzene	<0.50	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	2,3,4,6-Tetrachlorophenol	<0.50	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	2,4,6-Trichlorophenol	<0.50	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	2,4-D	<0.20	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	2,4-Dichlorophenol	<0.30	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Alachlor	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Atrazine & Metabolites	<0.20	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Azinphos-methyl	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Benzene	<0.50	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Benzo(a)pyrene	<0.010	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Bromoxynil	<0.20	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Carbaryl	<0.20	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Carbofuran	<0.20	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Carbon tetrachloride	<0.20	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Chlorpyrifos	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Diazinon	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Dicamba	<0.20	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Dichloromethane	<5.0	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Diclofop-methyl	<0.20	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Dimethoate	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Diquat	<1.0	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Diuron	<1.0	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Glyphosate	<5.0	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Malathion	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	MCPA	<0.20	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Metolachlor	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Metribuzin	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Monochlorobenzene	<0.50	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Paraquat	<1.0	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Pentachlorophenol	<0.50	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Phorate	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Picloram	<0.20	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Prometryne	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Simazine	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Terbufos	<0.20	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Tetrachloroethylene	<0.50	ug/L	No

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
			(perchloroethylene)			
21-Jan-19	WELL 12 TREATED	Treated	Total PCBs	<0.035	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Triallate	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Trichloroethylene	<0.50	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Trifluralin	<0.10	ug/L	No
21-Jan-19	WELL 12 TREATED	Treated	Vinyl chloride	<0.20	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	N/A	N/A	N/A

Summary of Organic parameters (Total Trihalomethanes) sampled in the distribution system during this reporting period or the most recent sample results

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
10-Apr-18	Murray Court (SS)	Distribution	Total Trihalomethanes	14	ug/L	
10-Apr-18	South Sector Res. (Out)	Distribution	Total Trihalomethanes	23	ug/L	
10-Apr-18	Buena Vista Dr. (SS)	Distribution	Total Trihalomethanes	17	ug/L	
			Average for Quarter	18.0	ug/L	
13-Jul-18	Murray Court (SS)	Distribution	Total Trihalomethanes	54.4	ug/L	
13-Jul-18	South Sector Res. (Out)	Distribution	Total Trihalomethanes	58.5	ug/L	
13-Jul-18	Buena Vista Dr. (SS)	Distribution	Total Trihalomethanes	25.7	ug/L	
			Average for Quarter	46.2	ug/L	
10-Oct-18	Murray Court (SS)	Distribution	Total Trihalomethanes	24.3	ug/L	
10-Oct-18	South Sector Res. (Out)	Distribution	Total Trihalomethanes	44.8	ug/L	
10-Oct-18	Buena Vista Dr. (SS)	Distribution	Total Trihalomethanes	31.5	ug/L	
			Average for Quarter	33.5	ug/L	
21-Jan-19	Murray Court (SS)	Distribution	Total Trihalomethanes	39.8	ug/L	
21-Jan-19	South Sector Res. (Out)	Distribution	Total Trihalomethanes	40.6	ug/L	
21-Jan-19	Buena Vista Dr. (SS)	Distribution	Total Trihalomethanes	40.3	ug/L	
			Average for Quarter	40.2	ug/L	
			Running Annual Average of Quarterly Results	34.5	ug/L	No
8-Apr-19	Murray Court (SS)	Distribution	Total Trihalomethanes	39.2	ug/L	
8-Apr-19	South Sector Res. (Out)	Distribution	Total Trihalomethanes	40.9	ug/L	
8-Apr-19	Buena Vista Dr. (SS)	Distribution	Total Trihalomethanes	18.8	ug/L	
			Average for Quarter	33.0	ug/L	



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
			Running Annual Average of Quarterly Results	38.2	ug/L	No
18-Jul-19	Murray Court (SS)	Distribution	Total Trihalomethanes	48.8	ug/L	
18-Jul-19	South Sector Res. (Out)	Distribution	Total Trihalomethanes	58.3	ug/L	
18-Jul-19	Buena Vista Dr. (SS)	Distribution	Total Trihalomethanes	54.7	ug/L	
			Average for Quarter	53.9	ug/L	
			Running Annual Average of Quarterly Results	40.2	ug/L	No
23-Oct-19	Murray Court (SS)	Distribution	Total Trihalomethanes	39	ug/L	
23-Oct-19	South Sector Res. (Out)	Distribution	Total Trihalomethanes	43.9	ug/L	
23-Oct-19	Buena Vista Dr. (SS)	Distribution	Total Trihalomethanes	37.4	ug/L	
			Average for Quarter	40.1	ug/L	
			Running Annual Average of Quarterly Results	41.8	ug/L	No

Summary of Organic parameters Total Haloacetic Acids (HAA₅) sampled in the distribution system during this reporting period or the most recent sample results

Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
11-Apr-18	202 First St. (SS)	Distribution	Total Haloacetic Acids	< 5.3	ug/L	
10-Apr-18	South Sector Res. (Out)	Distribution	Total Haloacetic Acids	9.1	ug/L	
10-Apr-18	Buena Vista Dr. (SS)	Distribution	Total Haloacetic Acids	< 5.3	ug/L	
			Average for Quarter	< 6.6	ug/L	No
12-Jul-18	202 First St. (SS)	Distribution	Total Haloacetic Acids	8.1	ug/L	
13-Jul-18	South Sector Res. (Out)	Distribution	Total Haloacetic Acids	9.9	ug/L	
13-Jul-18	South Sector Res. (Out)	Distribution	Total Haloacetic Acids	1.8	ug/L	
13-Jul-18	Buena Vista Dr. (SS)	Distribution	Total Haloacetic Acids	6.1	ug/L	
			Average for Quarter	6.5	ug/L	No
10-Oct-18	202 First St. (SS)	Distribution	Total Haloacetic Acids	6.3	ug/L	
10-Oct-18	South Sector Res. (Out)	Distribution	Total Haloacetic Acids	7.6	ug/L	
10-Oct-18	Buena Vista Dr. (SS)	Distribution	Total Haloacetic Acids	6.4	ug/L	
			Average for Quarter	6.8	ug/L	No
21-Jan-19	202 First St. (SS)	Distribution	Total Haloacetic Acids	9.5	ug/L	
21-Jan-19	South Sector Res. (Out)	Distribution	Total Haloacetic Acids	11	ug/L	
21-Jan-19	Buena Vista Dr. (SS)	Distribution	Total Haloacetic Acids	11.4	ug/L	
			Average for Quarter	10.6	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
			Running Annual Average of Quarterly Results	< 7.6	ug/L	No
8-Apr-19	202 First St. (SS)	Distribution	Total Haloacetic Acids	8.1	ug/L	
8-Apr-19	South Sector Res. (Out)	Distribution	Total Haloacetic Acids	8.9	ug/L	
8-Apr-19	Buena Vista Dr. (SS)	Distribution	Total Haloacetic Acids	4.2	ug/L	
			Average for Quarter	7.1	ug/L	No
			Running Annual Average of Quarterly Results	7.7	ug/L	No
18-Jul-19	202 First St. (SS)	Distribution	Total Haloacetic Acids	7.6	ug/L	
18-Jul-19	South Sector Res. (Out)	Distribution	Total Haloacetic Acids	12.3	ug/L	
18-Jul-19	Buena Vista Dr. (SS)	Distribution	Total Haloacetic Acids	12.2	ug/L	
			Average for Quarter	10.7	ug/L	No
			Running Annual Average of Quarterly Results	8.8	ug/L	No
23-Oct-19	202 First St. (SS)	Distribution	Total Haloacetic Acids	10.3	ug/L	
23-Oct-19	South Sector Res. (Out)	Distribution	Total Haloacetic Acids	11.6	ug/L	
23-Oct-19	Buena Vista Dr. (SS)	Distribution	Total Haloacetic Acids	10.8	ug/L	
			Average for Quarter	10.9	ug/L	No
			Running Annual Average of Quarterly Results	9.8	ug/L	No