



## 2018 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, 2018

**Complete if your Category is Large Municipal Residential or Small Municipal Residential**

Does your Drinking-Water System serve more than 10,000 people? Yes [X] No [ ]

Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No [ ]

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

Town of Orangeville  
Municipal Offices  
87 Broadway  
Orangeville ON L9W 1K1

**Complete for all other Categories.**

Number of Designated Facilities served: Not Applicable

Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ ] No [ ]

Number of Interested Authorities you report to: Not Applicable

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [ ] No [ ]

**Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report**

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

Drinking Water System Name	Drinking Water System Number
N/A	N/A

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?

Yes [ ] No [ ] 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 127.3 km of watermain, 1,079 fire hydrants and 1,152 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 9,810 residential, industrial, commercial and institutional water service connections.

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

1. Liquid sodium hypochlorite only for primary disinfection at 3 wells.
2. Ultraviolet (UV) light and liquid sodium hypochlorite for 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. Upgrades to Well 6 casing and wellhead assembly.
2. Install new submersible well pump at Well 11.
3. Replace watermain on Maple Cr. and Second Ave.
4. Improvements to computerized water system control and data acquisition system.
5. Repairs to concrete base at municipal water storage standpipe.

## 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.

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
14 Jun 2018	Arsenic concentration > 10 ug/L in a drinking water sample from the Orangeville system. [R.170/03, S.16-3(1)1]	10.9	ug/L	Resample and test as required. Resample result was 3.0 ug/L.	21 Jun 2018
13 Sep 2018	Treated water Total Coliforms > 0 CFU/100 ml in a drinking water sample collected from a temporary watermain in the Orangeville system. [R.170/03, S.16-3(1)1]	5	CFU/100 ml	Resample and test upstream, downstream, and at the affected site as required. All resample results were 0 CFU/100 ml for Total Coliforms.	15 Sep 2018

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 #)
<b>Well 2A</b>					
<b>Raw</b> (1 source well)	25	0-0	0-0	25 / 25	0-3 / 0-3
<b>Treated</b> (point of entry)	26	0-0	0-0	26 / 26	0-2 / 0-1
<b>Wells 5 and 5A</b>					
<b>Raw</b> (2 source wells)	104	0-0	0-0	104 / 104	0-4 / 0-1
<b>Treated</b> (point of entry)	52	0-0	0-0	52 / 52	0-1 / 0-1
<b>Well 6</b>					
<b>Raw</b> (1 source well)	47	0-0	0-1	47 / 47	0-37 / 0-126
<b>Treated</b> (point of entry)	44	0-0	0-0	44 / 44	0-3 / 0-0
<b>Well 7</b>					
<b>Raw</b> (1 source well)	53	0-0	0-0	53 / 53	0-300 / 0-10
<b>Treated</b> (point of entry)	51	0-0	0-0	51 / 51	0-1 / 0-0

	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 #)
<b>Wells 8B and 8C</b>					
<b>Raw</b> (2 source wells)	104	0-0	0-0	104 / 104	0-14 / 0-340
<b>Treated</b> (point of entry)	52	0-0	0-0	52 / 52	0-1 / 0-0
<b>Wells 9A and 9B</b>					
<b>Raw</b> (2 source wells)	104	0-0	0-0	104 / 104	0-105 / 0-1
<b>Treated</b> (point of entry)	52	0-0	0-0	52 / 52	0-7 / 0-60
<b>Well 10</b>					
<b>Raw</b> (1 source well)	52	0-0	0-1	52 / 52	0-33 / 0-7
<b>Treated</b> (point of entry)	52	0-0	0-0	52 / 52	0-9 / 0-1
<b>Well 11</b>					
<b>Raw</b> (1 source well)	52	0-0	0-2	52 / 52	0-54 / 0-200
<b>Treated</b> (point of entry)	52	0-0	0-0	52 / 52	0-1 / 0-46
<b>Well 12</b>					
<b>Raw</b> (1 source well)	52	0-0	0-0	52 / 52	0-22 / 0-139
<b>Treated</b> (point of entry)	52	0-0	0-0	52 / 52	0-2 / 0-96
<b>Orangeville Distribution System</b>					
<b>Distribution</b> (routine)	624	0-0	0-0	624 / 624	0-820 / 0-71
<b>Distribution</b> (non-routine)	281	0-0	0-5	275 / 281	0-32 / 0-960

**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 #)
<b>Well 2A</b>		
<b>Turbidity (NTU)</b> (Raw Water, 1 Well)	25	0.09-0.52
<b>Turbidity (NTU)</b> (Filter Effluent Line)	8760	3.59 (max.)
<b>Pressure Differential (kPa)</b> (5-micron Cartridge Filter )	8760	15.9 (max.)
<b>Chlorine (mg/L)</b> (Sch. 7-2(1), Point of Entry, 2-stage Disinfection)	8760	0.54 (min.)

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

	<b>Number of Grab Samples</b>	<b>Range of Results (min #)-(max #)</b>
<b>Wells 5 and 5A</b>		
<b>Turbidity</b> (NTU) (Raw Water, 2 Wells)	109	0.05-0.57
<b>Chlorine</b> (mg/L) (Sch. 7-2(1), Point of Entry, 2-stage Disinfection)	8760	1.20 (min.)
<b>Well 6</b>		
<b>Turbidity</b> (NTU) (Raw Water, 1 Well)	46	0.08-3.94
<b>Chlorine</b> (mg/L) (Sch. 7-2(1), Point of Entry)	8760	0.42-2.00
<b>Well 7</b>		
<b>Turbidity</b> (NTU) (Raw Water, 1 Well)	54	0.07-0.98
<b>Chlorine</b> (mg/L) (Sch. 7-2(1), Point of Entry)	8760	0.31-2.56
<b>Wells 8B and 8C</b>		
<b>Turbidity</b> (NTU) (Raw Water, 2 Wells)	109	0.07-2.21
<b>Turbidity</b> (NTU) (Filter Effluent Line)	8760	0.97 (max.)
<b>Pressure Differential</b> (kPa) (5-micron Cartridge Filter )	8760	44.1 (max.)
<b>Chlorine</b> (mg/L) (Sch. 7-2(1), Point of Entry, 2-stage Disinfection)	8760	0.62 (min.)
<b>Wells 9A and 9B</b>		
<b>Turbidity</b> (NTU) (Raw Water, 2 Wells)	100	0.09-0.96
<b>Chlorine</b> (mg/L) (Sch. 7-2(1), Point of Entry, 2-stage Disinfection)	8760	0.47 (min.)
<b>Well 10</b>		
<b>Turbidity</b> (NTU) (Raw Water, 1 Well)	53	0.08-0.86
<b>Chlorine</b> (mg/L) (Sch. 7-2(1), Point of Entry, 2-stage Disinfection)	8760	0.93 (min.)
<b>Well 11</b>		
<b>Turbidity</b> (NTU) (Raw Water, 1 Well)	50	0.07-0.89
<b>Chlorine</b> (mg/L) (Sch. 7-2(1), Point of Entry)	8760	0.34-2.42
<b>Well 12</b>		
<b>Turbidity</b> (NTU) (Raw Water, 1 Well)	53	0.05-0.25
<b>Chlorine</b> (mg/L)	8760	1.09 (min.)



	Number of Grab Samples	Range of Results (min #)-(max #)
<i>(Sch. 7-2(1), Point of Entry, 2-stage Disinfection)</i>		
<b>Orangeville Distribution System</b>		
<b>Chlorine</b> (mg/L) <i>(Sch. 7-2(3), Dist. System)</i>	1094	0.85-1.91

**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
<b>Well 2A Treatment</b>				
04 Dec 2015	Ultraviolet Intensity (UVI)	2018	39.0	W/m <sup>2</sup>
<b>Wells 5 and 5A Treatment</b>				
04 Dec 2015	Ultraviolet Dose (UVD)	2018	40.6 <sup>(a)</sup>	mJ/cm <sup>2</sup>
04 Dec 2015	Ultraviolet Transmittance (UVT)	2018	90.7	%
<b>Wells 8B and 8C Treatment</b>				
04 Dec 2015	Ultraviolet Intensity (UVI)	2018	30.3	W/m <sup>2</sup>
<b>Wells 9A and 9B Treatment</b>				
04 Dec 2015	Ultraviolet Intensity (UVI)	2018	35.7	W/m <sup>2</sup>
<b>Well 10 Treatment</b>				
04 Dec 2015	Ultraviolet Intensity (UVI)	2018	31.7	W/m <sup>2</sup>
<b>Well 12 Treatment</b>				
04 Dec 2015	Ultraviolet Dose (UVD)	2018	47.1 <sup>(a)</sup>	mJ/cm <sup>2</sup>
04 Dec 2015	Ultraviolet Transmittance (UVT)	2018	90.0	%

**(a)** Trojan UV Swift 12 units for Wells 5, 5A and 12 are capable of maintaining 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
<b>Distribution</b> <i>(Sentry Monitoring, Winter 2018)</i>	Lead	---	Not Tested in 2018.	ug/L	---
	Alkalinity	4	254 – 309	mg/L	N/A
	pH	4	6.21 – 6.56	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 2018)	Lead	---	Not Tested in 2018.	ug/L	---
	Alkalinity	4	252 – 263	mg/L	N/A
	pH	4	7.06 – 7.19	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
10-Apr-18	Well 2 Treated	Treated	Antimony (Sb)	0.090	ug/L	No
7-May-18	Well 2 Treated	Treated	Antimony (Sb)	0.02 *	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
9-Aug-18	Well 2 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
10-Apr-18	Well 2 Treated	Treated	Arsenic (As)	0.2 *	ug/L	No
7-May-18	Well 2 Treated	Treated	Arsenic (As)	0.2 *	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Arsenic (As)	*1.0	ug/L	No
9-Aug-18	Well 2 Treated	Treated	Arsenic (As)	*1.0	ug/L	No
10-Apr-18	Well 2 Treated	Treated	Barium (Ba)	75.4	ug/L	No
7-May-18	Well 2 Treated	Treated	Barium (Ba)	79.6	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Barium (Ba)	79.000	ug/L	No
9-Aug-18	Well 2 Treated	Treated	Barium (Ba)	80.000	ug/L	No
10-Apr-18	Well 2 Treated	Treated	Boron (B)	11.000	ug/L	No
7-May-18	Well 2 Treated	Treated	Boron (B)	18.000	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Boron (B)	*50	ug/L	No
9-Aug-18	Well 2 Treated	Treated	Boron (B)	*50	ug/L	No
10-Apr-18	Well 2 Treated	Treated	Cadmium (Cd)	0.022	ug/L	No
7-May-18	Well 2 Treated	Treated	Cadmium (Cd)	0.024	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Cadmium (Cd)	*0.10	ug/L	No
10-Apr-18	Well 2 Treated	Treated	Chromium (Cr)	0.38	ug/L	No
7-May-18	Well 2 Treated	Treated	Chromium (Cr)	0.31	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
9-Aug-18	Well 2 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Fluoride (F)	0.187	mg/L	No
9-Aug-18	Well 2 Treated	Treated	Fluoride (F)	0.198	mg/L	No
10-Apr-18	Well 2 Treated	Treated	Fluoride (F-)	0.22	mg/L	No
7-May-18	Well 2 Treated	Treated	Fluoride (F-)	0.22	mg/L	No
10-Apr-18	Well 2 Treated	Treated	Lead (Pb)	0.04	ug/L	No
7-May-18	Well 2 Treated	Treated	Lead (Pb)	0.01 *	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
9-Aug-18	Well 2 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Mercury (Hg)	*0.10	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Nitrate (as N)	3.5	mg/L	No
9-Aug-18	Well 2 Treated	Treated	Nitrate (as N)	4.81	mg/L	No





Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
10-Apr-18	Well 2 Treated	Treated	Nitrate (N) (NO3)	4.63	mg/L	No
7-May-18	Well 2 Treated	Treated	Nitrate (N) (NO3)	3.63	mg/L	No
10-Apr-18	Well 2 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
7-May-18	Well 2 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
12-Jul-18	Well 2 Treated	Treated	Nitrite (N) (NO2)	*0.010	mg/L	No
9-Aug-18	Well 2 Treated	Treated	Nitrite (N) (NO2)	*0.010	mg/L	No
10-Apr-18	Well 2 Treated	Treated	Selenium (Se)	0.280	ug/L	No
7-May-18	Well 2 Treated	Treated	Selenium (Se)	0.140	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Selenium (Se)	*5.0	ug/L	No
9-Aug-18	Well 2 Treated	Treated	Selenium (Se)	*1.0	ug/L	No
10-Apr-18	Well 2 Treated	Treated	Sodium (Na)	27.900	mg/L	Yes
7-May-18	Well 2 Treated	Treated	Sodium (Na)	29.400	mg/L	Yes
12-Jul-18	Well 2 Treated	Treated	Sodium (Na)	27.600	mg/L	Yes
9-Aug-18	Well 2 Treated	Treated	Sodium (Na)	30.100	mg/L	Yes
10-Apr-18	Well 2 Treated	Treated	Uranium (U)	0.690	ug/L	No
7-May-18	Well 2 Treated	Treated	Uranium (U)	0.765	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Uranium (U)	*5.0	ug/L	No
9-Aug-18	Well 2 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-Jul-18	Well 2 Treated	Treated	1,1-dichloroethylene	*0.50	ug/L	No
12-Jul-18	Well 2 Treated	Treated	1,2-Dichlorobenzene	*0.50	ug/L	No
12-Jul-18	Well 2 Treated	Treated	1,2-Dichloroethane	*0.50	ug/L	No
12-Jul-18	Well 2 Treated	Treated	1,4-Dichlorobenzene	*0.50	ug/L	No
12-Jul-18	Well 2 Treated	Treated	2,3,4,6-Tetrachlorophenol	*0.50	ug/L	No
12-Jul-18	Well 2 Treated	Treated	2,4,6-Trichlorophenol	*0.50	ug/L	No
12-Jul-18	Well 2 Treated	Treated	2,4-D	*0.20	ug/L	No
12-Jul-18	Well 2 Treated	Treated	2,4-Dichlorophenol	*0.30	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Alachlor	*0.10	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Atrazine & Metabolites	*0.20	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Azinphos-methyl	*0.10	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Benzene	*0.50	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Benzo(a)pyrene	*0.010	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Bromoxynil	*0.20	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Carbaryl	*0.20	ug/L	No





Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
12-Jul-18	Well 2 Treated	Treated	Carbofuran	*0.20	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Carbon tetrachloride	*0.20	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Chlorpyrifos	*0.10	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Diazinon	*0.10	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Dicamba	*0.20	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Dichloromethane	*5.0	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Diclofop-methyl	*0.20	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Dimethoate	*0.10	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Diquat	*1.0	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Diuron	*1.0	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Glyphosate	*5.0	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Malathion	*0.10	ug/L	No
12-Jul-18	Well 2 Treated	Treated	MCPA	*0.20	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Metolachlor	*0.10	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Metribuzin	*0.10	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Monochlorobenzene	*0.50	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Paraquat	*1.0	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Pentachlorophenol	*0.50	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Phorate	*0.10	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Picloram	*0.20	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Prometryne	*0.10	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Simazine	*0.10	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Terbufos	*0.20	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Tetrachloroethylene	*0.50	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Total PCB	*0.035	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Triallate	*0.10	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Trichloroethylene	*0.50	ug/L	No
12-Jul-18	Well 2 Treated	Treated	Trifluralin	*0.10	ug/L	No
12-Jul-18	Well 2 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
24-Jan-18	Well 5 Treated	Treated	Antimony (Sb)	0.02 *	ug/L	No
10-Apr-18	Well 5 Treated	Treated	Antimony (Sb)	0.040	ug/L	No
12-Jul-18	Well 5 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
10-Oct-18	Well 5 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Arsenic (As)	0.2	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
10-Apr-18	Well 5 Treated	Treated	Arsenic (As)	0.2	ug/L	No
12-Jul-18	Well 5 Treated	Treated	Arsenic (As)	*1.0	ug/L	No
10-Oct-18	Well 5 Treated	Treated	Arsenic (As)	*1.0	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Barium (Ba)	75.9	ug/L	No
10-Apr-18	Well 5 Treated	Treated	Barium (Ba)	81	ug/L	No
12-Jul-18	Well 5 Treated	Treated	Barium (Ba)	78	ug/L	No
10-Oct-18	Well 5 Treated	Treated	Barium (Ba)	81	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Boron (B)	10	ug/L	No
10-Apr-18	Well 5 Treated	Treated	Boron (B)	14	ug/L	No
12-Jul-18	Well 5 Treated	Treated	Boron (B)	*50	ug/L	No
10-Oct-18	Well 5 Treated	Treated	Boron (B)	*50	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Cadmium (Cd)	0.008	ug/L	No
10-Apr-18	Well 5 Treated	Treated	Cadmium (Cd)	0.003	ug/L	No
12-Jul-18	Well 5 Treated	Treated	Cadmium (Cd)	*0.10	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Chromium (Cr)	0.71	ug/L	No
10-Apr-18	Well 5 Treated	Treated	Chromium (Cr)	0.69	ug/L	No
12-Jul-18	Well 5 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
10-Oct-18	Well 5 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
12-Jul-18	Well 5 Treated	Treated	Fluoride (F)	0.1	mg/L	No
10-Oct-18	Well 5 Treated	Treated	Fluoride (F)	0.1	mg/L	No
24-Jan-18	Well 5 Treated	Treated	Fluoride (F-)	0.2	mg/L	No
10-Apr-18	Well 5 Treated	Treated	Fluoride (F-)	0.110	mg/L	No
24-Jan-18	Well 5 Treated	Treated	Lead (Pb)	0.01 *	ug/L	No
10-Apr-18	Well 5 Treated	Treated	Lead (Pb)	0.010	ug/L	No
12-Jul-18	Well 5 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
10-Oct-18	Well 5 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Mercury (Hg)	0.01 *	ug/L	No
12-Jul-18	Well 5 Treated	Treated	Nitrate (as N)	4.900	mg/L	No
10-Oct-18	Well 5 Treated	Treated	Nitrate (as N)	5.560	mg/L	No
24-Jan-18	Well 5 Treated	Treated	Nitrate (N) (NO3)	5.820	mg/L	No
10-Apr-18	Well 5 Treated	Treated	Nitrate (N) (NO3)	5.210	mg/L	No
24-Jan-18	Well 5 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
10-Apr-18	Well 5 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
12-Jul-18	Well 5 Treated	Treated	Nitrite (N) (NO2)	*0.010	mg/L	No
10-Oct-18	Well 5 Treated	Treated	Nitrite (N) (NO2)	*0.010	mg/L	No
24-Jan-18	Well 5 Treated	Treated	Selenium (Se)	0.130	ug/L	No
10-Apr-18	Well 5 Treated	Treated	Selenium (Se)	0.160	ug/L	No
12-Jul-18	Well 5 Treated	Treated	Selenium (Se)	*5.0	ug/L	No
10-Oct-18	Well 5 Treated	Treated	Selenium (Se)	*1.0	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Sodium (Na)	49.100	mg/L	Yes
10-Apr-18	Well 5 Treated	Treated	Sodium (Na)	43.000	mg/L	Yes
12-Jul-18	Well 5 Treated	Treated	Sodium (Na)	50.100	mg/L	Yes
10-Oct-18	Well 5 Treated	Treated	Sodium (Na)	46.000	mg/L	Yes
24-Jan-18	Well 5 Treated	Treated	Uranium (U)	0.443	ug/L	No
10-Apr-18	Well 5 Treated	Treated	Uranium (U)	0.437	ug/L	No
12-Jul-18	Well 5 Treated	Treated	Uranium (U)	*5.0	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
10-Oct-18	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
24-Jan-18	Well 5 Treated	Treated	1,1-Dichloroethylene	0.33 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	1,2-Dichlorobenzene	0.41 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	1,2-Dichloroethane	0.35 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	1,4-Dichlorobenzene	0.36 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	2,4,6-Trichlorophenol	0.25 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	2,4-D	0.19 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	2,4-Dichlorophenol	0.15 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Alachlor	0.02 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Azinphos-methyl	0.05 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Benzene	0.32 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Benzo(a)pyrene	0.004 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Bromoxynil	0.33 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Carbaryl	0.05 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Carbofuran	0.01 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Carbon Tetrachloride	0.16 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Chlorpyrifos	0.02 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Diazinon	0.02 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Dicamba	0.20 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Dichloromethane	0.35 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Diclofop-methyl	0.40 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Dimethoate	0.03 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Diquat	1 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Diuron	0.03 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Glyphosate	1 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Malathion	0.02 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	MCPA	0.00012 *	mg/L	No
24-Jan-18	Well 5 Treated	Treated	Metolachlor	0.01 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Metribuzin	0.02 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Monochlorobenzene	0.3 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Paraquat	1 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Pentachlorophenol	0.15 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Phorate	0.01 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Picloram	1 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Prometryne	0.03 *	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
24-Jan-18	Well 5 Treated	Treated	Simazine	0.01 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Terbufos	0.01 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Tetrachloroethylene	0.35 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Total PCB	0.04 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Triallate	0.01 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Trichloroethylene	0.44 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Trifluralin	0.02 *	ug/L	No
24-Jan-18	Well 5 Treated	Treated	Vinyl Chloride	0.17 *	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
14-Feb-18	Well 6 Treated	Treated	Antimony (Sb)	0.030	ug/L	No
7-May-18	Well 6 Treated	Treated	Antimony (Sb)	0.02 *	ug/L	No
9-Aug-18	Well 6 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
14-Nov-18	Well 6 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
14-Feb-18	Well 6 Treated	Treated	Arsenic (As)	1.2	ug/L	No
7-May-18	Well 6 Treated	Treated	Arsenic (As)	1.2	ug/L	No
9-Aug-18	Well 6 Treated	Treated	Arsenic (As)	1.2	ug/L	No
14-Nov-18	Well 6 Treated	Treated	Arsenic (As)	1.2	ug/L	No
14-Feb-18	Well 6 Treated	Treated	Barium (Ba)	168	ug/L	No
7-May-18	Well 6 Treated	Treated	Barium (Ba)	190	ug/L	No
9-Aug-18	Well 6 Treated	Treated	Barium (Ba)	179	ug/L	No
14-Nov-18	Well 6 Treated	Treated	Barium (Ba)	171	ug/L	No
14-Feb-18	Well 6 Treated	Treated	Boron (B)	14	ug/L	No
7-May-18	Well 6 Treated	Treated	Boron (B)	30	ug/L	No
9-Aug-18	Well 6 Treated	Treated	Boron (B)	*50	ug/L	No
14-Nov-18	Well 6 Treated	Treated	Boron (B)	*50	ug/L	No
14-Feb-18	Well 6 Treated	Treated	Cadmium (Cd)	0.004	ug/L	No
7-May-18	Well 6 Treated	Treated	Cadmium (Cd)	0.009	ug/L	No
14-Feb-18	Well 6 Treated	Treated	Chromium (Cr)	0.14	ug/L	No
7-May-18	Well 6 Treated	Treated	Chromium (Cr)	0.08	ug/L	No
9-Aug-18	Well 6 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
14-Nov-18	Well 6 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
9-Aug-18	Well 6 Treated	Treated	Fluoride (F)	0.11	mg/L	No
14-Nov-18	Well 6 Treated	Treated	Fluoride (F)	0.104	mg/L	No
14-Feb-18	Well 6 Treated	Treated	Fluoride (F-)	0.12	mg/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
7-May-18	Well 6 Treated	Treated	Fluoride (F-)	0.12	mg/L	No
14-Feb-18	Well 6 Treated	Treated	Lead (Pb)	0.1	ug/L	No
7-May-18	Well 6 Treated	Treated	Lead (Pb)	0.1	ug/L	No
9-Aug-18	Well 6 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
14-Nov-18	Well 6 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
7-May-18	Well 6 Treated	Treated	Mercury (Hg)	0.01 *	ug/L	No
9-Aug-18	Well 6 Treated	Treated	Nitrate (as N)	*0.10	mg/L	No
14-Nov-18	Well 6 Treated	Treated	Nitrate (as N)	0.049	mg/L	No
14-Feb-18	Well 6 Treated	Treated	Nitrate (N) (NO3)	0.070	mg/L	No
7-May-18	Well 6 Treated	Treated	Nitrate (N) (NO3)	0.076	mg/L	No
14-Feb-18	Well 6 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
7-May-18	Well 6 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
9-Aug-18	Well 6 Treated	Treated	Nitrite (N) (NO2)	*0.050	mg/L	No
14-Nov-18	Well 6 Treated	Treated	Nitrite (N) (NO2)	*0.010	mg/L	No
14-Feb-18	Well 6 Treated	Treated	Selenium (Se)	0.04 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Selenium (Se)	0.04 *	ug/L	No
9-Aug-18	Well 6 Treated	Treated	Selenium (Se)	*1.0	ug/L	No
14-Nov-18	Well 6 Treated	Treated	Selenium (Se)	*1.0	ug/L	No
14-Feb-18	Well 6 Treated	Treated	Sodium (Na)	104.000	mg/L	Yes
7-May-18	Well 6 Treated	Treated	Sodium (Na)	110.000	mg/L	Yes
9-Aug-18	Well 6 Treated	Treated	Sodium (Na)	103.000	mg/L	Yes
14-Nov-18	Well 6 Treated	Treated	Sodium (Na)	110.000	mg/L	Yes
14-Feb-18	Well 6 Treated	Treated	Uranium (U)	1.040	ug/L	No
7-May-18	Well 6 Treated	Treated	Uranium (U)	1.220	ug/L	No
9-Aug-18	Well 6 Treated	Treated	Uranium (U)	*2.0	ug/L	No
14-Nov-18	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
7-May-18	Well 6 Treated	Treated	1,1-Dichloroethylene	0.33 *	ug/L	No
7-May-18	Well 6 Treated	Treated	1,2-Dichlorobenzene	0.41 *	ug/L	No
7-May-18	Well 6 Treated	Treated	1,2-Dichloroethane	0.35 *	ug/L	No
7-May-18	Well 6 Treated	Treated	1,4-Dichlorobenzene	0.36 *	ug/L	No
7-May-18	Well 6 Treated	Treated	2,4,6-Trichlorophenol	0.25 *	ug/L	No
7-May-18	Well 6 Treated	Treated	2,4-D	0.19 *	ug/L	No
7-May-18	Well 6 Treated	Treated	2,4-Dichlorophenol	0.15 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Alachlor	0.02 *	ug/L	No





Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
7-May-18	Well 6 Treated	Treated	Azinphos-methyl	0.05 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Benzene	0.32 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Benzo(a)pyrene	0.004 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Bromoxynil	0.33 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Carbaryl	0.05 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Carbofuran	0.01 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Carbon Tetrachloride	0.16 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Chlorpyrifos	0.02 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Diazinon	0.02 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Dicamba	0.20 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Dichloromethane	0.35 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Diclofop-methyl	0.40 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Dimethoate	0.03 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Diquat	1 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Diuron	0.03 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Glyphosate	1 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Malathion	0.02 *	ug/L	No
7-May-18	Well 6 Treated	Treated	MCPA	0.00012 *	mg/L	No
7-May-18	Well 6 Treated	Treated	Metolachlor	0.01 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Metribuzin	0.02 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Monochlorobenzene	0.3 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Paraquat	1 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Pentachlorophenol	0.15 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Phorate	0.01 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Picloram	1 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Prometryne	0.03 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Simazine	0.01 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Terbufos	0.01 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Tetrachloroethylene	0.35 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Total PCB	0.04 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Triallate	0.01 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Trichloroethylene	0.44 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Trifluralin	0.02 *	ug/L	No
7-May-18	Well 6 Treated	Treated	Vinyl Chloride	0.17 *	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-18	Well 7 Treated	Treated	Antimony (Sb)	0.090	ug/L	No
11-Jun-18	Well 7 Treated	Treated	Antimony (Sb)	0.02 *	ug/L	No
12-Sep-18	Well 7 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
11-Dec-18	Well 7 Treated	Treated	Antimony (Sb)	0.050	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Arsenic (As)	0.400	ug/L	No
11-Jun-18	Well 7 Treated	Treated	Arsenic (As)	0.9	ug/L	No
12-Sep-18	Well 7 Treated	Treated	Arsenic (As)	*1.0	ug/L	No
11-Dec-18	Well 7 Treated	Treated	Arsenic (As)	0.7	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Barium (Ba)	1	ug/L	No
11-Jun-18	Well 7 Treated	Treated	Barium (Ba)	137	ug/L	No
12-Sep-18	Well 7 Treated	Treated	Barium (Ba)	137	ug/L	No
11-Dec-18	Well 7 Treated	Treated	Barium (Ba)	106	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Boron (B)	131	ug/L	No
11-Jun-18	Well 7 Treated	Treated	Boron (B)	12	ug/L	No
12-Sep-18	Well 7 Treated	Treated	Boron (B)	*50	ug/L	No
11-Dec-18	Well 7 Treated	Treated	Boron (B)	8	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Cadmium (Cd)	0.003 *	ug/L	No
11-Jun-18	Well 7 Treated	Treated	Cadmium (Cd)	0.005	ug/L	No
11-Dec-18	Well 7 Treated	Treated	Cadmium (Cd)	0.004	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Chromium (Cr)	0.003 *	ug/L	No
11-Jun-18	Well 7 Treated	Treated	Chromium (Cr)	0.09	ug/L	No
12-Sep-18	Well 7 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
11-Dec-18	Well 7 Treated	Treated	Chromium (Cr)	0.06	ug/L	No
12-Sep-18	Well 7 Treated	Treated	Fluoride (F)	0.1	mg/L	No
19-Mar-18	Well 7 Treated	Treated	Fluoride (F-)	0.2	mg/L	No
11-Jun-18	Well 7 Treated	Treated	Fluoride (F-)	0.2	mg/L	No
11-Dec-18	Well 7 Treated	Treated	Fluoride (F-)	0.1	mg/L	No
19-Mar-18	Well 7 Treated	Treated	Lead (Pb)	0.09	ug/L	No
11-Jun-18	Well 7 Treated	Treated	Lead (Pb)	0.090	ug/L	No
12-Sep-18	Well 7 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
11-Dec-18	Well 7 Treated	Treated	Lead (Pb)	0.140	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Mercury (Hg)	0.010	ug/L	No
12-Sep-18	Well 7 Treated	Treated	Nitrate (as N)	*0.020	mg/L	No
19-Mar-18	Well 7 Treated	Treated	Nitrate (N) (NO3)	0.010	mg/L	No
11-Jun-18	Well 7 Treated	Treated	Nitrate (N) (NO3)	0.006 *	mg/L	No
11-Dec-18	Well 7 Treated	Treated	Nitrate (N) (NO3)	0.010	mg/L	No
19-Mar-18	Well 7 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
11-Jun-18	Well 7 Treated	Treated	Nitrite (N) (NO2)	0.006	mg/L	No
12-Sep-18	Well 7 Treated	Treated	Nitrite (N) (NO2)	*0.010	mg/L	No
11-Dec-18	Well 7 Treated	Treated	Nitrite (N) (NO2)	0.022	mg/L	No





Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
19-Mar-18	Well 7 Treated	Treated	Selenium (Se)	0.040	ug/L	No
11-Jun-18	Well 7 Treated	Treated	Selenium (Se)	0.04 *	ug/L	No
12-Sep-18	Well 7 Treated	Treated	Selenium (Se)	*1.0	ug/L	No
11-Dec-18	Well 7 Treated	Treated	Selenium (Se)	0.04 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Sodium (Na)	1.340	mg/L	No
11-Jun-18	Well 7 Treated	Treated	Sodium (Na)	10.300	mg/L	No
12-Sep-18	Well 7 Treated	Treated	Sodium (Na)	9.550	mg/L	No
11-Dec-18	Well 7 Treated	Treated	Sodium (Na)	7.430	mg/L	No
19-Mar-18	Well 7 Treated	Treated	Uranium (U)	0.236	ug/L	No
11-Jun-18	Well 7 Treated	Treated	Uranium (U)	0.232	ug/L	No
12-Sep-18	Well 7 Treated	Treated	Uranium (U)	*2.0	ug/L	No
11-Dec-18	Well 7 Treated	Treated	Uranium (U)	0.259	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-18	Well 7 Treated	Treated	1,1-Dichloroethylene	0.33 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	1,2-Dichlorobenzene	0.41 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	1,2-Dichloroethane	0.35 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	1,4-Dichlorobenzene	0.36 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	2,4,6-Trichlorophenol	0.25 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	2,4-D	0.19 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	2,4-Dichlorophenol	0.15 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Alachlor	0.02 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Azinphos-methyl	0.05 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Benzene	0.32 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Benzo(a)pyrene	0.004 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Bromoxynil	0.33 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Carbaryl	0.05 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Carbofuran	0.01 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Carbon Tetrachloride	0.16 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Chlorpyrifos	0.02 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Diazinon	0.02 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Dicamba	0.20 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Dichloromethane	0.35 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Diclofop-methyl	0.40 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Dimethoate	0.03 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Diquat	1 *	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
19-Mar-18	Well 7 Treated	Treated	Diuron	0.03 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Glyphosate	1 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Malathion	0.02 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	MCPA	0.00012 *	mg/L	No
19-Mar-18	Well 7 Treated	Treated	Metolachlor	0.01 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Metribuzin	0.02 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Monochlorobenzene	0.3 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Paraquat	1 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Pentachlorophenol	0.15 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Phorate	0.01 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Picloram	1 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Prometryne	0.03 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Simazine	0.01 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Terbufos	0.01 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Tetrachloroethylene	0.35 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Total PCB	0.04 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Triallate	0.01 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Trichloroethylene	0.44 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Trifluralin	0.02 *	ug/L	No
19-Mar-18	Well 7 Treated	Treated	Vinyl Chloride	0.17 *	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-18	Well 8 Treated	Treated	Antimony (Sb)	* 0.02	ug/L	No
11-Jun-18	Well 8 Treated	Treated	Antimony (Sb)	0.02 *	ug/L	No
12-Sep-18	Well 8 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Antimony (Sb)	0.090	ug/L	No
19-Mar-18	Well 8 Treated	Treated	Arsenic (As)	0.2 *	ug/L	No
11-Jun-18	Well 8 Treated	Treated	Arsenic (As)	0.5	ug/L	No
12-Sep-18	Well 8 Treated	Treated	Arsenic (As)	*1.0	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Arsenic (As)	0.2 *	ug/L	No
19-Mar-18	Well 8 Treated	Treated	Barium (Ba)	98.7	ug/L	No
11-Jun-18	Well 8 Treated	Treated	Barium (Ba)	106	ug/L	No
12-Sep-18	Well 8 Treated	Treated	Barium (Ba)	105	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Barium (Ba)	82.1	ug/L	No
19-Mar-18	Well 8 Treated	Treated	Boron (B)	8	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
11-Jun-18	Well 8 Treated	Treated	Boron (B)	13	ug/L	No
12-Sep-18	Well 8 Treated	Treated	Boron (B)	*50	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Boron (B)	8	ug/L	No
19-Mar-18	Well 8 Treated	Treated	Cadmium (Cd)	0.013	ug/L	No
11-Jun-18	Well 8 Treated	Treated	Cadmium (Cd)	0.008	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Cadmium (Cd)	0.008	ug/L	No
19-Mar-18	Well 8 Treated	Treated	Chromium (Cr)	0.11	ug/L	No
11-Jun-18	Well 8 Treated	Treated	Chromium (Cr)	0.41	ug/L	No
12-Sep-18	Well 8 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Chromium (Cr)	0.6	ug/L	No
12-Sep-18	Well 8 Treated	Treated	Fluoride (F)	0.124	mg/L	No
19-Mar-18	Well 8 Treated	Treated	Fluoride (F-)	0.22	mg/L	No
11-Jun-18	Well 8 Treated	Treated	Fluoride (F-)	0.17	mg/L	No
11-Dec-18	Well 8 Treated	Treated	Fluoride (F-)	0.16	mg/L	No
19-Mar-18	Well 8 Treated	Treated	Lead (Pb)	0.01 *	ug/L	No
11-Jun-18	Well 8 Treated	Treated	Lead (Pb)	0.05	ug/L	No
12-Sep-18	Well 8 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Lead (Pb)	0.01 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Mercury (Hg)	0.01 *	ug/L	No
12-Sep-18	Well 8 Treated	Treated	Nitrate (as N)	1.6	mg/L	No
19-Mar-18	Well 8 Treated	Treated	Nitrate (N) (NO3)	0.5	mg/L	No
11-Jun-18	Well 8 Treated	Treated	Nitrate (N) (NO3)	2.330	mg/L	No
11-Dec-18	Well 8 Treated	Treated	Nitrate (N) (NO3)	2.350	mg/L	No
19-Mar-18	Well 8 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
11-Jun-18	Well 8 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
12-Sep-18	Well 8 Treated	Treated	Nitrite (N) (NO2)	*0.010	mg/L	No
11-Dec-18	Well 8 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
19-Mar-18	Well 8 Treated	Treated	Selenium (Se)	0.140	ug/L	No
11-Jun-18	Well 8 Treated	Treated	Selenium (Se)	0.110	ug/L	No
12-Sep-18	Well 8 Treated	Treated	Selenium (Se)	*1.0	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Selenium (Se)	0.090	ug/L	No
19-Mar-18	Well 8 Treated	Treated	Sodium (Na)	6.580	mg/L	No
11-Jun-18	Well 8 Treated	Treated	Sodium (Na)	28.500	mg/L	Yes
12-Sep-18	Well 8 Treated	Treated	Sodium (Na)	19.300	mg/L	No
11-Dec-18	Well 8 Treated	Treated	Sodium (Na)	26.200	mg/L	Yes
19-Mar-18	Well 8 Treated	Treated	Uranium (U)	0.306	ug/L	No
11-Jun-18	Well 8 Treated	Treated	Uranium (U)	0.392	ug/L	No
12-Sep-18	Well 8 Treated	Treated	Uranium (U)	*2.0	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Uranium (U)	0.319	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
11-Dec-18	Well 8 Treated	Treated	1,1-Dichloroethylene	0.33 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	1,2-Dichlorobenzene	0.41 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	1,2-Dichloroethane	0.35 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	1,4-Dichlorobenzene	0.36 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	2,4,6-Trichlorophenol	0.25 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	2,4-D	0.19 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	2,4-Dichlorophenol	0.15 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Alachlor	0.02 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Azinphos-methyl	0.05 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Benzene	0.32 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Benzo(a)pyrene	0.004 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Bromoxynil	0.33 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Carbaryl	0.05 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Carbofuran	0.01 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Carbon Tetrachloride	0.16 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Chlorpyrifos	0.02 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Diazinon	0.02 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Dicamba	0.20 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Dichloromethane	0.35 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Diclofop-methyl	0.40 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Dimethoate	0.03 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Diquat	1 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Diuron	0.03 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Glyphosate	1 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Malathion	0.02 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	MCPA	0.00012 *	mg/L	No
11-Dec-18	Well 8 Treated	Treated	Metolachlor	0.01 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Metribuzin	0.02 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Monochlorobenzene	0.3 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Paraquat	1 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Pentachlorophenol	0.15 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Phorate	0.01 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Picloram	1 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Prometryne	0.03 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Simazine	0.01 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Terbufos	0.01 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Tetrachloroethylene	0.35 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Total PCB	0.04 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Triallate	0.01 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Trichloroethylene	0.44 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Trifluralin	0.02 *	ug/L	No
11-Dec-18	Well 8 Treated	Treated	Vinyl Chloride	0.17 *	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
14-Feb-18	Well 9 Treated	Treated	Antimony (Sb)	0.02 *	ug/L	No
7-May-18	Well 9 Treated	Treated	Antimony (Sb)	0.700	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
14-Nov-18	Well 9 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
14-Feb-18	Well 9 Treated	Treated	Arsenic (As)	0.700	ug/L	No
7-May-18	Well 9 Treated	Treated	Arsenic (As)	0.700	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Arsenic (As)	*1.0	ug/L	No
14-Nov-18	Well 9 Treated	Treated	Arsenic (As)	*1.0	ug/L	No
14-Feb-18	Well 9 Treated	Treated	Barium (Ba)	90.000	ug/L	No
7-May-18	Well 9 Treated	Treated	Barium (Ba)	96.300	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Barium (Ba)	100.000	ug/L	No
14-Nov-18	Well 9 Treated	Treated	Barium (Ba)	89.000	ug/L	No
14-Feb-18	Well 9 Treated	Treated	Boron (B)	20.000	ug/L	No
7-May-18	Well 9 Treated	Treated	Boron (B)	18.000	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Boron (B)	*50	ug/L	No
14-Nov-18	Well 9 Treated	Treated	Boron (B)	*50	ug/L	No
14-Feb-18	Well 9 Treated	Treated	Cadmium (Cd)	0.021	ug/L	No
7-May-18	Well 9 Treated	Treated	Cadmium (Cd)	0.025	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Cadmium (Cd)	*0.10	ug/L	No
14-Feb-18	Well 9 Treated	Treated	Chromium (Cr)	0.420	ug/L	No
7-May-18	Well 9 Treated	Treated	Chromium (Cr)	0.450	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
14-Nov-18	Well 9 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Fluoride (F)	0.13	mg/L	No
14-Nov-18	Well 9 Treated	Treated	Fluoride (F)	0.095	mg/L	No
14-Feb-18	Well 9 Treated	Treated	Fluoride (F-)	0.2	mg/L	No
7-May-18	Well 9 Treated	Treated	Fluoride (F-)	0.16	mg/L	No
14-Feb-18	Well 9 Treated	Treated	Lead (Pb)	0.1	ug/L	No
7-May-18	Well 9 Treated	Treated	Lead (Pb)	0.21	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
14-Nov-18	Well 9 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Mercury (Hg)	*0.10	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Nitrate (as N)	4.56	mg/L	No
14-Nov-18	Well 9 Treated	Treated	Nitrate (as N)	3.81	mg/L	No
14-Feb-18	Well 9 Treated	Treated	Nitrate (N) (NO3)	4	mg/L	No





Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
7-May-18	Well 9 Treated	Treated	Nitrate (N) (NO3)	4.58	mg/L	No
14-Feb-18	Well 9 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
7-May-18	Well 9 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
9-Aug-18	Well 9 Treated	Treated	Nitrite (N) (NO2)	*0.050	mg/L	No
14-Nov-18	Well 9 Treated	Treated	Nitrite (N) (NO2)	*0.010	mg/L	No
14-Feb-18	Well 9 Treated	Treated	Selenium (Se)	0.12	ug/L	No
7-May-18	Well 9 Treated	Treated	Selenium (Se)	0.12	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Selenium (Se)	*5.0	ug/L	No
14-Nov-18	Well 9 Treated	Treated	Selenium (Se)	*1.0	ug/L	No
14-Feb-18	Well 9 Treated	Treated	Sodium (Na)	127	mg/L	Yes
7-May-18	Well 9 Treated	Treated	Sodium (Na)	153	mg/L	Yes
9-Aug-18	Well 9 Treated	Treated	Sodium (Na)	156	mg/L	Yes
14-Nov-18	Well 9 Treated	Treated	Sodium (Na)	159	mg/L	Yes
14-Feb-18	Well 9 Treated	Treated	Uranium (U)	0.58	ug/L	No
7-May-18	Well 9 Treated	Treated	Uranium (U)	0.574	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Uranium (U)	*5.0	ug/L	No
14-Nov-18	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
9-Aug-18	Well 9 Treated	Treated	1,1-dichloroethylene	*0.50	ug/L	No
9-Aug-18	Well 9 Treated	Treated	1,2-Dichlorobenzene	*0.50	ug/L	No
9-Aug-18	Well 9 Treated	Treated	1,2-Dichloroethane	*0.50	ug/L	No
9-Aug-18	Well 9 Treated	Treated	1,4-Dichlorobenzene	*0.50	ug/L	No
9-Aug-18	Well 9 Treated	Treated	2,4,6-Trichlorophenol	*0.50	ug/L	No
11-Sep-18	Well 9 Treated	Treated	2,4-D	*0.20	ug/L	No
9-Aug-18	Well 9 Treated	Treated	2,4-Dichlorophenol	*0.30	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Alachlor	*0.10	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Azinphos-methyl	*0.10	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Benzene	*0.50	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Benzo(a)pyrene	*0.010	ug/L	No
11-Sep-18	Well 9 Treated	Treated	Bromoxynil	*0.20	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Carbaryl	*0.20	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Carbofuran	*0.20	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Carbon tetrachloride	*0.20	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Chlorpyrifos	*0.10	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Diazinon	*0.10	ug/L	No
11-Sep-18	Well 9 Treated	Treated	Dicamba	*0.20	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
9-Aug-18	Well 9 Treated	Treated	Dichloromethane	*5.0	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Diclofop-methyl	*0.20	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Dimethoate	*0.10	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Diquat	*1.0	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Diuron	*1.0	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Glyphosate	*5.0	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Malathion	*0.10	ug/L	No
11-Sep-18	Well 9 Treated	Treated	MCPA	*0.20	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Metolachlor	*0.10	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Metribuzin	*0.10	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Monochlorobenzene	*0.50	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Paraquat	*1.0	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Pentachlorophenol	*0.50	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Phorate	*0.10	ug/L	No
11-Sep-18	Well 9 Treated	Treated	Picloram	*0.40	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Prometryne	*0.10	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Simazine	*0.10	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Terbufos	*0.20	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Tetrachloroethylene	*0.50	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Total PCB	*0.035	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Triallate	*0.10	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Trichloroethylene	*0.50	ug/L	No
9-Aug-18	Well 9 Treated	Treated	Trifluralin	*0.10	ug/L	No
9-Aug-18	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
24-Jan-17	Well 10 Treated	Treated	Antimony (Sb)	0.02 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Antimony (Sb)	0.020	ug/L	No
10-Apr-18	Well 10 Treated	Treated	Antimony (Sb)	0.020	ug/L	No
12-Jul-18	Well 10 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
10-Oct-18	Well 10 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
24-Jan-17	Well 10 Treated	Treated	Arsenic (As)	0.4	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Arsenic (As)	0.3	ug/L	No
10-Apr-18	Well 10 Treated	Treated	Arsenic (As)	0.3	ug/L	No
12-Jul-18	Well 10 Treated	Treated	Arsenic (As)	*1.0	ug/L	No





Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
10-Oct-18	Well 10 Treated	Treated	Arsenic (As)	*1.0	ug/L	No
24-Jan-17	Well 10 Treated	Treated	Barium (Ba)	125.000	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Barium (Ba)	144.000	ug/L	No
10-Apr-18	Well 10 Treated	Treated	Barium (Ba)	129.000	ug/L	No
12-Jul-18	Well 10 Treated	Treated	Barium (Ba)	133.000	ug/L	No
10-Oct-18	Well 10 Treated	Treated	Barium (Ba)	135.000	ug/L	No
24-Jan-17	Well 10 Treated	Treated	Boron (B)	150.00	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Boron (B)	239.000	ug/L	No
10-Apr-18	Well 10 Treated	Treated	Boron (B)	143.000	ug/L	No
12-Jul-18	Well 10 Treated	Treated	Boron (B)	163.000	ug/L	No
10-Oct-18	Well 10 Treated	Treated	Boron (B)	154.000	ug/L	No
24-Jan-17	Well 10 Treated	Treated	Cadmium (Cd)	0.003 *	mg/L	No
14-Feb-18	Well 10 Treated	Treated	Cadmium (Cd)	0.003 *	ug/L	No
10-Apr-18	Well 10 Treated	Treated	Cadmium (Cd)	0.003 *	ug/L	No
12-Jul-18	Well 10 Treated	Treated	Cadmium (Cd)	*0.10	ug/L	No
24-Jan-17	Well 10 Treated	Treated	Chromium (Cr)	0.190	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Chromium (Cr)	0.130	ug/L	No
10-Apr-18	Well 10 Treated	Treated	Chromium (Cr)	0.150	ug/L	No
12-Jul-18	Well 10 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
10-Oct-18	Well 10 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
10-Oct-18	Well 10 Treated	Treated	Fluoride (F)	0.082	mg/L	No
24-Jan-17	Well 10 Treated	Treated	Fluoride (F-)	0.100	mg/L	No
10-Apr-18	Well 10 Treated	Treated	Fluoride (F-)	0.120	mg/L	No
12-Jul-18	Well 10 Treated	Treated	Fluoride (F-)	0.084	mg/L	No
24-Jan-17	Well 10 Treated	Treated	Lead (Pb)	0.17	ug/L	No
10-Apr-18	Well 10 Treated	Treated	Lead (Pb)	0.04	ug/L	No
12-Jul-18	Well 10 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
10-Oct-18	Well 10 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Mercury (Hg)	0.01 *	ug/L	No
10-Oct-18	Well 10 Treated	Treated	Nitrate (as N)	*0.020	mg/L	No
24-Jan-17	Well 10 Treated	Treated	Nitrate (N) (NO3)	0.006 *	mg/L	No
10-Apr-18	Well 10 Treated	Treated	Nitrate (N) (NO3)	0.006	mg/L	No
12-Jul-18	Well 10 Treated	Treated	Nitrate (N) (NO3)	*0.020	mg/L	No
24-Jan-17	Well 10 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
10-Apr-18	Well 10 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
12-Jul-18	Well 10 Treated	Treated	Nitrite (N) (NO2)	*0.010	mg/L	No
10-Oct-18	Well 10 Treated	Treated	Nitrite (N) (NO2)	*0.010	mg/L	No
24-Jan-17	Well 10 Treated	Treated	Selenium (Se)	0.04 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Selenium (Se)	0.04 *	ug/L	No
10-Apr-18	Well 10 Treated	Treated	Selenium (Se)	0.04 *	ug/L	No
12-Jul-18	Well 10 Treated	Treated	Selenium (Se)	*5.0	ug/L	No
10-Oct-18	Well 10 Treated	Treated	Selenium (Se)	*1.0	ug/L	No
24-Jan-17	Well 10 Treated	Treated	Sodium (Na)	69.8	mg/L	Yes
10-Apr-18	Well 10 Treated	Treated	Sodium (Na)	62.5	mg/L	Yes
12-Jul-18	Well 10 Treated	Treated	Sodium (Na)	71.3	mg/L	Yes
10-Oct-18	Well 10 Treated	Treated	Sodium (Na)	69.6	mg/L	Yes



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
24-Jan-17	Well 10 Treated	Treated	Uranium (U)	0.546	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Uranium (U)	0.534	ug/L	No
10-Apr-18	Well 10 Treated	Treated	Uranium (U)	0.473	ug/L	No
12-Jul-18	Well 10 Treated	Treated	Uranium (U)	*5.0	ug/L	No
10-Oct-18	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
14-Feb-18	Well 10 Treated	Treated	1,1-Dichloroethylene	0.33 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	1,2-Dichlorobenzene	0.41 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	1,2-Dichloroethane	0.35 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	1,4-Dichlorobenzene	0.36 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	2,4,6-Trichlorophenol	0.25 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	2,4-D	0.19 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	2,4-Dichlorophenol	0.15 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Alachlor	0.02 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Azinphos-methyl	0.05 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Benzene	0.32 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Benzo(a)pyrene	0.004 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Bromoxynil	0.33 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Carbaryl	0.05 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Carbofuran	0.01 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Carbon Tetrachloride	0.16 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Chlorpyrifos	0.02 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Diazinon	0.02 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Dicamba	0.20 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Dichloromethane	0.35 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Diclofop-methyl	0.40 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Dimethoate	0.03 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Diquat	1 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Diuron	0.03 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Glyphosate	1 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Malathion	0.02 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	MCPA	0.00012 *	mg/L	No
14-Feb-18	Well 10 Treated	Treated	Metolachlor	0.01 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Metribuzin	0.02 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Monochlorobenzene	0.3 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Paraquat	1 *	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
14-Feb-18	Well 10 Treated	Treated	Pentachlorophenol	0.15 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Phorate	0.01 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Picloram	1 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Prometryne	0.03 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Simazine	0.01 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Terbufos	0.01 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Tetrachloroethylene	0.35 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Total PCB	0.04 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Triallate	0.01 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Trichloroethylene	0.44 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Trifluralin	0.02 *	ug/L	No
14-Feb-18	Well 10 Treated	Treated	Vinyl Chloride	0.17 *	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
15-Feb-18	Well 11 Treated	Treated	Antimony (Sb)	0.060	ug/L	No
7-May-18	Well 11 Treated	Treated	Antimony (Sb)	0.02 *	ug/L	No
9-Aug-18	Well 11 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
15-Feb-18	Well 11 Treated	Treated	Arsenic (As)	5.9	ug/L	No
7-May-18	Well 11 Treated	Treated	Arsenic (As)	5	ug/L	No
9-Aug-18	Well 11 Treated	Treated	Arsenic (As)	4.3	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Arsenic (As)	4.6	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Arsenic (As)	4.6	ug/L	No
15-Feb-18	Well 11 Treated	Treated	Barium (Ba)	204	ug/L	No
7-May-18	Well 11 Treated	Treated	Barium (Ba)	189	ug/L	No
9-Aug-18	Well 11 Treated	Treated	Barium (Ba)	190	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Barium (Ba)	180	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Barium (Ba)	186	ug/L	No
15-Feb-18	Well 11 Treated	Treated	Boron (B)	18	ug/L	No
7-May-18	Well 11 Treated	Treated	Boron (B)	25	ug/L	No
9-Aug-18	Well 11 Treated	Treated	Boron (B)	*50	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Boron (B)	*50	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Boron (B)	*50	ug/L	No
15-Feb-18	Well 11 Treated	Treated	Cadmium (Cd)	0.004	ug/L	No



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
7-May-18	Well 11 Treated	Treated	Cadmium (Cd)	0.004	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Cadmium (Cd)	*0.10	ug/L	No
15-Feb-18	Well 11 Treated	Treated	Chromium (Cr)	0.12	ug/L	No
7-May-18	Well 11 Treated	Treated	Chromium (Cr)	0.08	ug/L	No
9-Aug-18	Well 11 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
9-Aug-18	Well 11 Treated	Treated	Fluoride (F)	0.1	mg/L	No
14-Nov-18	Well 11 Treated	Treated	Fluoride (F)	0.1	mg/L	No
15-Feb-18	Well 11 Treated	Treated	Fluoride (F-)	0.1	mg/L	No
7-May-18	Well 11 Treated	Treated	Fluoride (F-)	0.1	mg/L	No
15-Feb-18	Well 11 Treated	Treated	Lead (Pb)	0.4	ug/L	No
7-May-18	Well 11 Treated	Treated	Lead (Pb)	0.1	ug/L	No
9-Aug-18	Well 11 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Mercury (Hg)	*0.10	ug/L	No
9-Aug-18	Well 11 Treated	Treated	Nitrate (as N)	*0.020	mg/L	No
14-Nov-18	Well 11 Treated	Treated	Nitrate (as N)	*0.020	mg/L	No
15-Feb-18	Well 11 Treated	Treated	Nitrate (N) (NO3)	0.006 *	mg/L	No
7-May-18	Well 11 Treated	Treated	Nitrate (N) (NO3)	0.006 *	mg/L	No
15-Feb-18	Well 11 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
7-May-18	Well 11 Treated	Treated	Nitrite (N) (NO2)	0.003 *	mg/L	No
9-Aug-18	Well 11 Treated	Treated	Nitrite (N) (NO2)	*0.010	mg/L	No
14-Nov-18	Well 11 Treated	Treated	Nitrite (N) (NO2)	*0.010	mg/L	No
15-Feb-18	Well 11 Treated	Treated	Selenium (Se)	0.04 *	ug/L	No
7-May-18	Well 11 Treated	Treated	Selenium (Se)	0.04 *	ug/L	No
9-Aug-18	Well 11 Treated	Treated	Selenium (Se)	*1.0	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Selenium (Se)	*1.0	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Selenium (Se)	*5.0	ug/L	No
15-Feb-18	Well 11 Treated	Treated	Sodium (Na)	60.500	mg/L	Yes
7-May-18	Well 11 Treated	Treated	Sodium (Na)	52.500	mg/L	Yes
9-Aug-18	Well 11 Treated	Treated	Sodium (Na)	52.000	mg/L	Yes
14-Nov-18	Well 11 Treated	Treated	Sodium (Na)	57.600	mg/L	Yes
11-Dec-18	Well 11 Treated	Treated	Sodium (Na)	54.700	mg/L	Yes
15-Feb-18	Well 11 Treated	Treated	Uranium (U)	0.470	ug/L	No
7-May-18	Well 11 Treated	Treated	Uranium (U)	0.469	ug/L	No
9-Aug-18	Well 11 Treated	Treated	Uranium (U)	*2.0	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Uranium (U)	*2.0	ug/L	No
14-Nov-18	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
14-Nov-18	Well 11 Treated	Treated	1,1-dichloroethylene	*0.50	ug/L	No
14-Nov-18	Well 11 Treated	Treated	1,2-Dichlorobenzene	*0.50	ug/L	No
14-Nov-18	Well 11 Treated	Treated	1,2-Dichloroethane	*0.50	ug/L	No
14-Nov-18	Well 11 Treated	Treated	1,4-Dichlorobenzene	*0.50	ug/L	No
14-Nov-18	Well 11 Treated	Treated	2,4,6-Trichlorophenol	*0.50	ug/L	No
14-Nov-18	Well 11 Treated	Treated	2,4-D	*0.20	ug/L	No
14-Nov-18	Well 11 Treated	Treated	2,4-Dichlorophenol	*0.30	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Alachlor	*0.10	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Azinphos-methyl	*0.10	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Benzene	*0.50	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Benzo(a)pyrene	*0.010	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Bromoxynil	*0.20	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Carbaryl	*0.20	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Carbofuran	*0.20	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Carbon tetrachloride	*0.20	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Chlorpyrifos	*0.10	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Diazinon	*0.10	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Dicamba	*0.20	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Dichloromethane	*5.0	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Diclofop-methyl	*0.20	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Dimethoate	*0.10	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Diquat	*1.0	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Diuron	*1.0	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Glyphosate	*5.0	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Malathion	*0.10	ug/L	No
14-Nov-18	Well 11 Treated	Treated	MCPA	*0.20	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Metolachlor	*0.10	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Metribuzin	*0.10	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Monochlorobenzene	*0.50	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Paraquat	*1.0	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Pentachlorophenol	*0.50	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Phorate	*0.10	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Picloram	*0.20	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Prometryne	*0.10	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Simazine	*0.10	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Terbufos	*0.20	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Tetrachloroethylene	*0.50	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Total PCB	*0.035	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Triallate	*0.10	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Trichloroethylene	*0.50	ug/L	No
14-Nov-18	Well 11 Treated	Treated	Trifluralin	*0.10	ug/L	No
14-Nov-18	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)	5.9	ug/L	15-Feb-18

**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
23-Jan-18	Well 12 Treated	Treated	Antimony (Sb)	0.02 *	ug/L	No
10-Apr-18	Well 12 Treated	Treated	Antimony (Sb)	0.030	ug/L	No
12-Jul-18	Well 12 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
10-Oct-18	Well 12 Treated	Treated	Antimony (Sb)	*0.60	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Arsenic (As)	0.2	ug/L	No
10-Apr-18	Well 12 Treated	Treated	Arsenic (As)	0.2 *	ug/L	No
12-Jul-18	Well 12 Treated	Treated	Arsenic (As)	*1.0	ug/L	No
10-Oct-18	Well 12 Treated	Treated	Arsenic (As)	*1.0	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Barium (Ba)	83.7	ug/L	No
10-Apr-18	Well 12 Treated	Treated	Barium (Ba)	85	ug/L	No
12-Jul-18	Well 12 Treated	Treated	Barium (Ba)	88	ug/L	No
10-Oct-18	Well 12 Treated	Treated	Barium (Ba)	91	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Boron (B)	8	ug/L	No
10-Apr-18	Well 12 Treated	Treated	Boron (B)	10	ug/L	No
12-Jul-18	Well 12 Treated	Treated	Boron (B)	*50	ug/L	No
10-Oct-18	Well 12 Treated	Treated	Boron (B)	*50	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Cadmium (Cd)	0.024	ug/L	No
10-Apr-18	Well 12 Treated	Treated	Cadmium (Cd)	0.013	ug/L	No
12-Jul-18	Well 12 Treated	Treated	Cadmium (Cd)	*0.10	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Chromium (Cr)	0.15	ug/L	No
10-Apr-18	Well 12 Treated	Treated	Chromium (Cr)	0.12	ug/L	No
12-Jul-18	Well 12 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
10-Oct-18	Well 12 Treated	Treated	Chromium (Cr)	*1.0	ug/L	No
12-Jul-18	Well 12 Treated	Treated	Fluoride (F)	0.123	mg/L	No
10-Oct-18	Well 12 Treated	Treated	Fluoride (F)	0.096	mg/L	No
23-Jan-18	Well 12 Treated	Treated	Fluoride (F-)	0.1	mg/L	No
10-Apr-18	Well 12 Treated	Treated	Fluoride (F-)	0.1	mg/L	No
23-Jan-18	Well 12 Treated	Treated	Lead (Pb)	0.1	ug/L	No
10-Apr-18	Well 12 Treated	Treated	Lead (Pb)	0.0	ug/L	No
12-Jul-18	Well 12 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
10-Oct-18	Well 12 Treated	Treated	Lead (Pb)	*1.0	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Mercury (Hg)	0.01 *	ug/L	No
12-Jul-18	Well 12 Treated	Treated	Nitrate (as N)	0.487	mg/L	No
10-Oct-18	Well 12 Treated	Treated	Nitrate (as N)	0.495	mg/L	No
23-Jan-18	Well 12 Treated	Treated	Nitrate (N) (NO3)	0.507	mg/L	No
10-Apr-18	Well 12 Treated	Treated	Nitrate (N) (NO3)	0.438	mg/L	No





Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
23-Jan-18	Well 12 Treated	Treated	Nitrite (N) (NO <sub>2</sub> )	0.003 *	mg/L	No
10-Apr-18	Well 12 Treated	Treated	Nitrite (N) (NO <sub>2</sub> )	0.003 *	mg/L	No
12-Jul-18	Well 12 Treated	Treated	Nitrite (N) (NO <sub>2</sub> )	*0.010	mg/L	No
10-Oct-18	Well 12 Treated	Treated	Nitrite (N) (NO <sub>2</sub> )	*0.010	mg/L	No
23-Jan-18	Well 12 Treated	Treated	Selenium (Se)	0.140	ug/L	No
10-Apr-18	Well 12 Treated	Treated	Selenium (Se)	0.140	ug/L	No
12-Jul-18	Well 12 Treated	Treated	Selenium (Se)	*5.0	ug/L	No
10-Oct-18	Well 12 Treated	Treated	Selenium (Se)	*1.0	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Sodium (Na)	13.700	mg/L	No
10-Apr-18	Well 12 Treated	Treated	Sodium (Na)	12.400	mg/L	No
12-Jul-18	Well 12 Treated	Treated	Sodium (Na)	13.500	mg/L	No
10-Oct-18	Well 12 Treated	Treated	Sodium (Na)	13.900	mg/L	No
23-Jan-18	Well 12 Treated	Treated	Uranium (U)	0.498	ug/L	No
10-Apr-18	Well 12 Treated	Treated	Uranium (U)	0.468	ug/L	No
12-Jul-18	Well 12 Treated	Treated	Uranium (U)	*5.0	ug/L	No
10-Oct-18	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
23-Jan-18	Well 12 Treated	Treated	1,1-Dichloroethylene	0.33 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	1,2-Dichlorobenzene	0.41 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	1,2-Dichloroethane	0.35 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	1,4-Dichlorobenzene	0.36 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	2,4,6-Trichlorophenol	0.25 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	2,4-D	0.19 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	2,4-Dichlorophenol	0.15 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Alachlor	0.02 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Azinphos-methyl	0.05 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Benzene	0.32 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Benzo(a)pyrene	0.004 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Bromoxynil	0.33 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Carbaryl	0.05 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Carbofuran	0.01 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Carbon Tetrachloride	0.16 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Chlorpyrifos	0.02 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Diazinon	0.02 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Dicamba	0.20 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Dichloromethane	0.35 *	ug/L	No





Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
23-Jan-18	Well 12 Treated	Treated	Diclofop-methyl	0.40 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Dimethoate	0.03 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Diquat	1 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Diuron	0.03 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Glyphosate	1 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Malathion	0.02 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	MCPA	0.00012 *	mg/L	No
23-Jan-18	Well 12 Treated	Treated	Metolachlor	0.01 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Metribuzin	0.02 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Monochlorobenzene	0.3 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Paraquat	1 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Pentachlorophenol	0.15 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Phorate	0.01 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Picloram	1 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Prometryne	0.03 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Simazine	0.01	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Terbufos	0.01 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Tetrachloroethylene	0.35 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Total PCB	0.04 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Triallate	0.01 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Trichloroethylene	0.44 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Trifluralin	0.02 *	ug/L	No
23-Jan-18	Well 12 Treated	Treated	Vinyl Chloride	0.17 *	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
24-Apr-17	Murray Ct. SS	Distribution	Total Trihalomethanes	41	ug/L	
24-Apr-17	Buena Vista Dr. SS	Distribution	Total Trihalomethanes	40	ug/L	
24-Apr-17	South Sector Res. (OUT)	Distribution	Total Trihalomethanes	41	ug/L	
			<b>Average for Quarter</b>	<b>40.7</b>	<b>ug/L</b>	
25-Jul-17	South Sector Res. (OUT)	Distribution	Total Trihalomethanes	55		
25-Jul-17	Murray Ct. SS	Distribution	Total Trihalomethanes	52		



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
25-Jul-17	Buena Vista Dr. SS	Distribution	Total Trihalomethanes	41		
			<b>Average for Quarter</b>	<b>49.3</b>	<b>ug/L</b>	
19-Oct-17	South Sector Res. (OUT)	Distribution	Total Trihalomethanes	43		
20-Oct-17	Murray Ct. SS	Distribution	Total Trihalomethanes	43		
20-Oct-17	Buena Vista Dr. SS	Distribution	Total Trihalomethanes	28		
			<b>Average for Quarter</b>	<b>38.0</b>	<b>ug/L</b>	
24-Jan-18	Buena Vista Dr. SS	Distribution	Total Trihalomethanes	21	ug/L	
24-Jan-18	Murray Ct. SS	Distribution	Total Trihalomethanes	22	ug/L	
24-Jan-18	South Sector Res. (OUT)	Distribution	Total Trihalomethanes	23	ug/L	
			<b>Average for Quarter</b>	<b>22.0</b>	<b>ug/L</b>	
			<b>Running Annual Average of Quarterly Results</b>	<b>37.5</b>	<b>ug/L</b>	<b>No</b>
10-Apr-18	Buena Vista Dr. SS	Distribution	Total Trihalomethanes	17	ug/L	
10-Apr-18	Murray Ct. SS	Distribution	Total Trihalomethanes	14	ug/L	
10-Apr-18	South Sector Res. (OUT)	Distribution	Total Trihalomethanes	41	ug/L	
			<b>Average for Quarter</b>	<b>24.0</b>	<b>ug/L</b>	
			<b>Running Annual Average of Quarterly Results</b>	<b>33.3</b>	<b>ug/L</b>	<b>No</b>
13-Jul-18	Buena Vista Dr. SS	Distribution	Total Trihalomethanes	25.7	ug/L	
13-Jul-18	Murray Ct. SS	Distribution	Total Trihalomethanes	54.4	ug/L	
13-Jul-18	South Sector Res. (OUT)	Distribution	Total Trihalomethanes	58.5	ug/L	
			<b>Average for Quarter</b>	<b>46.2</b>	<b>ug/L</b>	
			<b>Running Annual Average of Quarterly Results</b>	<b>32.6</b>	<b>ug/L</b>	<b>No</b>
10-Oct-18	Buena Vista Dr. SS	Distribution	Total Trihalomethanes	31.5	ug/L	
10-Oct-18	Murray Ct. SS	Distribution	Total Trihalomethanes	24.3	ug/L	



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
10-Oct-18	South Sector Res. (OUT)	Distribution	Total Trihalomethanes	44.8	ug/L	
			<b>Average for Quarter</b>	<b>33.5</b>	<b>ug/L</b>	
			<b>Running Annual Average of Quarterly Results</b>	<b>31.4</b>	<b>ug/L</b>	<b>No</b>

**Summary of Organic parameters Total Haloacetic Acids (HAA<sub>5</sub>) 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
24-Jan-17	Buena Vista Dr. SS	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
24-Jan-17	Murray Ct. SS	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
24-Jan-18	South Sector Res. (OUT)	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
			<b>Average for Quarter</b>	<b>&lt; 5.3</b>	<b>ug/L</b>	<b>N/A</b>
10-Apr-18	150 Centennial RD Hyd	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	20 Banting Dr Hyd	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	319 Fern St Hyd	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	329 Rebecca Dr Hyd	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	633 College Ave Hyd	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	Buena Vista Dr. SS	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	Dudgeon Res OUT	Treated	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	Saxon 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	Well 10 FB OUT	Treated	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	Well 11 Treated	Treated	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	Well 12 FB OUT	Treated	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	Well 2 Treated	Treated	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	Well 5 Treated	Treated	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	Well 6 Treated	Treated	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	Well 7 Treated	Treated	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	Well 9 Treated	Treated	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	West Sector Res. (OUT)	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
10-Apr-18	Young Ct. SS	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
11-Apr-18	202 First St. SS	Distribution	Total Haloacetic Acids	5.3 *	ug/L	



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
11-Apr-18	49 Erindale Ave Hyd	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
11-Apr-18	DW 6 Northmen Way SS	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
11-Apr-18	Fourth Ave SS	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
11-Apr-18	Sarah St. SS	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
11-Apr-18	Standpipe (OUT)	Distribution	Total Haloacetic Acids	5.3 *	ug/L	
			<b>Average for Quarter</b>	<b>&lt; 5.4</b>	<b>ug/L</b>	<b>N/A</b>
12-Jul-18	319 Fern St Hyd	Distribution	Total Haloacetic Acids	1.8	ug/L	
12-Jul-18	319 Fern St Hyd	Distribution	Total Haloacetic Acids	2.2	ug/L	
12-Jul-18	49 Erindale Ave Hyd	Distribution	Total Haloacetic Acids	4.9	ug/L	
12-Jul-18	DW 6 Northmen Way SS	Distribution	Total Haloacetic Acids	1.8	ug/L	
12-Jul-18	First St. SS	Distribution	Total Haloacetic Acids	8.1	ug/L	
12-Jul-18	Fourth Ave SS	Distribution	Total Haloacetic Acids	5.3	ug/L	
12-Jul-18	Sarah St. SS	Distribution	Total Haloacetic Acids	1.9	ug/L	
12-Jul-18	Saxon St. SS	Distribution	Total Haloacetic Acids	3.6	ug/L	
12-Jul-18	Standpipe (OUT)	Distribution	Total Haloacetic Acids	6.1	ug/L	
12-Jul-18	Standpipe (OUT)	Distribution	Total Haloacetic Acids	8.1	ug/L	
12-Jul-18	Well 11 Treated	Treated	Total Haloacetic Acids	*1.4	ug/L	
12-Jul-18	Well 12 FB OUT	Treated	Total Haloacetic Acids	*1.4	ug/L	
12-Jul-18	Well 2 Treated	Treated	Total Haloacetic Acids	*1.4	ug/L	
12-Jul-18	Well 5 Treated	Treated	Total Haloacetic Acids	*1.4	ug/L	
12-Jul-18	Well 6 Treated	Treated	Total Haloacetic Acids	3.8	ug/L	
12-Jul-18	Well 9 Treated	Treated	Total Haloacetic Acids	3.5	ug/L	
12-Jul-18	West Sector Res. (OUT)	Distribution	Total Haloacetic Acids	7.3	ug/L	
12-Jul-18	Young Ct. SS	Distribution	Total Haloacetic Acids	3.6	ug/L	
13-Jul-18	120 Banting Dr Hydrant	Distribution	Total Haloacetic Acids	2.2	ug/L	
13-Jul-18	150 Centennial RD Hyd	Distribution	Total Haloacetic Acids	2	ug/L	
13-Jul-18	329 Rebecca Dr Hyd	Distribution	Total Haloacetic Acids	3.4	ug/L	
13-Jul-18	633 College Hydrant	Distribution	Total Haloacetic Acids	1.9	ug/L	
13-Jul-18	Buena Vista Dr. SS	Distribution	Total Haloacetic Acids	6.1	ug/L	
13-Jul-18	Dudgeon Res.	Treated	Total Haloacetic Acids	3.7	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	Well 10 FB OUT	Treated	Total Haloacetic Acids	5.6	ug/L	
13-Jul-18	Well 7 Treated	Treated	Total Haloacetic Acids	*1.4	ug/L	



Sample Date	Sample Location	Sample Type	Parameter Tested	Test Results	Unit	Exceedance
			<b>Average for Quarter</b>	<b>&lt; 3.8</b>	<b>ug/L</b>	<b>N/A</b>
10-Oct-18	150 Centennial RD Hyd	Distribution	Total Haloacetic Acids	*1.4	ug/L	
10-Oct-18	20 Banting Dr Hyd	Distribution	Total Haloacetic Acids	2.3	ug/L	
10-Oct-18	202 First St. SS	Distribution	Total Haloacetic Acids	6.3	ug/L	
10-Oct-18	319 Fern St Hyd	Distribution	Total Haloacetic Acids	5.6	ug/L	
10-Oct-18	329 Rebecca Dr Hyd	Distribution	Total Haloacetic Acids	2.7	ug/L	
10-Oct-18	49 Erindale Ave Hyd	Distribution	Total Haloacetic Acids	2.6	ug/L	
10-Oct-18	633 College Hydrant	Distribution	Total Haloacetic Acids	2.6	ug/L	
10-Oct-18	Buena Vista Dr. SS	Distribution	Total Haloacetic Acids	6.4	ug/L	
10-Oct-18	Dudgeon Res.	Treated	Total Haloacetic Acids	3.2	ug/L	
10-Oct-18	DW 6 Northmen Way SS	Distribution	Total Haloacetic Acids	3.4	ug/L	
10-Oct-18	Fourth Ave SS	Distribution	Total Haloacetic Acids	3.2	ug/L	
10-Oct-18	Sarah St. SS	Distribution	Total Haloacetic Acids	2.7	ug/L	
10-Oct-18	Saxon 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	Standpipe (OUT)	Distribution	Total Haloacetic Acids	4.7	ug/L	
10-Oct-18	Well 10 FB OUT	Treated	Total Haloacetic Acids	4.1	ug/L	
10-Oct-18	Well 11 Treated	Treated	Total Haloacetic Acids	*1.4	ug/L	
10-Oct-18	Well 12 FB OUT	Treated	Total Haloacetic Acids	*1.4	ug/L	
10-Oct-18	Well 5 Treated	Treated	Total Haloacetic Acids	*1.4	ug/L	
10-Oct-18	Well 7 Treated	Treated	Total Haloacetic Acids	*1.4	ug/L	
10-Oct-18	Well 9 Treated	Treated	Total Haloacetic Acids	3.6	ug/L	
10-Oct-18	West Sector Res. (OUT)	Distribution	Total Haloacetic Acids	6.3	ug/L	
10-Oct-18	Young Ct. SS	Distribution	Total Haloacetic Acids	6	ug/L	
			<b>Average for Quarter</b>	<b>&lt; 3.8</b>	<b>ug/L</b>	<b>N/A</b>
			<b>Running Annual Average of Quarterly Results</b>	<b>&lt; 4.5</b>	<b>ug/L</b>	<b>N/A</b>