



**2014 ANNUAL COMPLIANCE AND SUMMARY
REPORT ON BRIGHTON'S DRINKING WATER
SYSTEM**

Municipal Drinking Water License # 135-101 Issue #2

Drinking Water Works Permit # 135-201 Issue #1

Waterworks Identification No. 220000807

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1.0 ONTARIO DRINKING WATER LEGISLATION

The Municipality of Brighton is pleased to present the 2014 Annual Compliance and Summary Report for Brighton's Drinking Water System covering the period from January 1st, 2014 to December 31st, 2014. There are several laws that govern municipal drinking water systems. Some of the Acts include: the Clean Water Act, the Safe Drinking Water Act, and the Ontario Water Resources Act. This report is prepared in compliance with Section 11 and Schedule 22 of Ontario Regulation 170/03 of the Safe Drinking Water Act. "The purpose of the Safe Drinking Water Act is to protect human health through the control and regulation of drinking water systems and drinking water testing (Ministry of the Environment 2010)." Under the Act, all drinking water systems in Ontario must receive approval from the Ministry of the Environment (MOE) in order to operate, drinking water operators must receive appropriate training and certification, there are specific standards for the testing of drinking water and all testing must be performed in a licensed, MOE accredited laboratory. There are eleven regulations under the Act, which are listed below:

- O. Reg. 128/04 - Certification Of Drinking Water System Operators And Water Quality Analysts
- O. Reg. 242/05 - Compliance And Enforcement
- O. Reg. 172/03 - Definitions Of "Deficiency" and "Municipal Drinking Water System"
- O. Reg. 171/03 - Definitions Of Words And Expressions Used In The Act
- O. Reg. 170/03 - Drinking Water Systems
- O. Reg. 248/03 - Drinking Water Testing Services
- O. Reg. 453/07 - Financial Plans
- O. Reg. 188/07 - Licensing Of Municipal Drinking Water Systems
- O. Reg. 169/03 - Ontario Drinking Water Quality Standards
- O. Reg. 243/07 - Schools, Private Schools And Day Nurseries
- O. Reg. 229/07 - Service Of Documents

Brighton's drinking water system was in compliance with all applicable legislation during the period covered by this report.

Brighton's drinking water system operates under the following permits and license:

1. Permit to Take Water No. 3210-9P3LCQ,
2. Municipal Drinking Water License # 135-101 issue number 2.
3. Drinking Water Works Permit # 135-201 issue number 1.

2.0 BRIGHTON'S DRINKING WATER SYSTEM

The Water Department is responsible for delivering clean and safe drinking water to the approximate 6,900 residents of Brighton who are connected to the municipal distribution system. The source of drinking water is three ground water wells located at 406 County Road 26. The wells are approximately forty metres (130 ft) deep and supply water to Brighton's water treatment plant (WTP) on a rotational basis. Water from the wells is pumped to a Supervisory Control And Data Acquisition (SCADA) monitored distribution plant, where chlorine is added to the water before it is distributed to customers. The distribution system consists of two booster pumps, hydrants, valves, service connections and approximately sixty kilometres of piping.

Water quality in the distribution system is maintained by the flushing of fire hydrants to clean the water mains and to flush out dead-end water mains. During the flushing, fire hydrants are also inspected. To confirm water quality, microbiological sampling and testing in the distribution system is conducted on a weekly basis at seven strategically chosen sites. In addition, operators test chlorine residuals on a daily basis, as per O. Reg. 170/03.

3.0 WATER CONSUMPTION

Over the year of 2014, a total of 808,150 cubic metres of water entered the distribution system from the WTP (Table I, Appendix I). Based on a service population of 6,900 residents, the per capita consumption was 117 cubic metres per person for the year, or 0.32 cubic metres (320 litres) per person, per day. This equates to an average daily demand of 2,214 cubic metres per day. Peak day demand represents the highest volume of treated water supplied to the distribution system over a 24-hour period, usually the hottest day of the year, or on a day with very high usage due to fire suppression. In 2014, the peak day demand occurred on July 14, with a recorded flow of 3,649 cubic metres.

Table I –Water consumption by month, for the years 2010-2014, measured at the WTP as water enters the distribution system

DATE	2014	2013	2012	2011	2010
	FLOWS (m³)	FLOWS (m³)	FLOWS (m³)	FLOWS (m³)	FLOWS (m³)
January	53,040	57,846	63,139	71,835	70,251
February	49,874	49,220	58,800	67,310	62,285
March	57,233	52,586	63,905	69,639	66,588
April	57,829	53,881	65,515	69,829	72,462
May	69,415	71,361	89,941	77,899	99,693
June	77,019	71,555	90,212	86,398	86,521
July	87,549	98,590	116,580	111,523	99,838
August	84,798	84,758	104,732	85,086	99,291
September	75,489	66,678	83,121	79,406	80,517
October	69,528	61,549	69,913	67,810	72,963
November	61,083	53,358	55,588	61,058	65,237
December	65,293	54,703	58,557	61,969	71,208
Total Flow	808,150	776,085	920,003	909,762	946,853
Monthly Avg.	67,346	64,674	76,667	75,814	78,904
Monthly Max.	87,549	98,590	116,580	111,523	99,838
Monthly Min.	49,874	49,220	55,588	61,058	62,285
Annual avg. daily Flow m ³ /day	2214.1	2126.3	2520.6	2492.5	2594.1
Max. Daily	3,649.30	4,132	4565.81	4648.00	4517.63
Rated Capacity	6445	6445	6445	6445	6445
% Max. Day	57	64	71	72	70
rated capacity % annual avg. daily flow m ³ /day	34	33	39	39	40

Brighton's drinking water system is permitted to take 6,454 cubic metres of water per day under Permit to take Water No. 3210-9P3LCQ. The rate of taking from each well cannot exceed 1.494 cubic metres per minute (24.9 L/s), or 2,151.4 cubic metres per day. The maximum daily taking during the reporting period was 2,031 cubic metres per day from Well 1, 1,911 cubic metres per day for Well 2, and 2,032 cubic metres per day for Well 3. The average daily water taking during the reporting period was 1,131 cubic metres per day from Well 1, 418 cubic metres per day for Well 2, and 1,147 cubic

metres per day for Well 3. The total average daily demand was 2,699 cubic metres per day of water, which represents forty-two (42) percent of the permitted water taking. The total peak day demand was 3,649 cubic metres of water, which represents fifty-seven (57) percent of the permitted water taking. Maximum total water taking during the reporting period remained less than the amount of water taking permitted by the permit.

There were occasional raw water takings that exceeded 24.9 litres per second, due to the automatic flow control valve searching for a position (Table II). The Municipality has a Standard Operating Procedure for incidents when water taking exceeds the allowable rate per second for greater than five minutes, which includes notification to the MOE, if necessary.

Table II- Well Flow Exceedances

WELL 1	FLOW (L/s)	DURATION (mins)	WELL 2	FLOW (L/s)	DURATION (mins)	WELL 3	FLOW (L/s)	DURATION (mins)
Mar. 26, 2014	26.21	1	Jan. 7, 2014	24.91	3	Mar. 20, 2014	25.96	1
			Feb. 19, 2014	28.49	36	Mar. 21, 2014	25.96	1
			Feb. 20, 2014 x2	25.31 28.24	6 11	Mar. 22, 2014	25.94	1
			Mar. 9, 2014	27.8	21	Mar. 25, 2014	24.92	1
			Apr. 24, 2014	27.87	21	Dec. 2, 2014	28.02	23

3.1 Water Use

The actual use of the water in Brighton is broken down into categories in Table III. Over the reporting period, there were six (6) water leaks in the distribution system consisting of two (2) main line breaks, four (4) municipal services leaks. The two main breaks were due to aging infrastructure. Most of the water service leaks were caused by worn flared connection fittings, and worn copper services. For 2014, the estimated water loss is 6.3 %.

Table III- Water Use Summary for 2014

Water produced at the Water Treatment Plant	808,150 m ³
Customer Consumption including Bulk Water Station	572,918 m ³
Amount of water used for hydrant flushing	1,646 m ³
Amount of water sold at Public Dispensing	26 m ³
Estimated amount of water used for flushing and swabbing of new watermains	107 m ³
Estimated amount of water used by Fire Department for practices and fires	348 m ³
Estimated watermain and/or service connection leak	181,805 m ³
Water Accounted For	756,850 m ³
Water Unaccounted For	51,301 m ³
Loss per day	141 m ³
Loss per hour	5.8 m ³
Loss per minute	0.0976 m ³
Loss per second	0.0016 m ³
Percentage Loss	6.3

4.0 WATER SAMPLING REQUIREMENTS OF O. REG. 170/03

4.1 Microbiological Sampling and Testing

Ontario Regulation 170/03 specifies the frequency and type of sampling required to measure water quality, depending on the category of the drinking water system. Brighton's drinking water system is categorized as a large municipal drinking water system. Schedule 10 of the regulation requires that at least eight distribution samples, plus one additional distribution sample for every 1,000 people served by the system, are taken every month, with at least one of the samples being taken each week. Therefore, thirteen treated distribution samples would be required monthly. Brighton samples at least seven (7) distribution samples weekly, or approximately twenty-eight (28) samples monthly, and one (1) treated water sample weekly. These samples are tested for Escherichia coliform and total coliforms, and twenty-five (25) percent of the samples are additionally tested for general bacteria populations expressed as background colony on a heterotrophic plate. Raw water samples must be tested at least once every week. Raw water was sampled in Brighton weekly from each supply well (Table IV).

Table IV- Summary of 2014 Microbiological Samples and Results

Microbiological Results	Number of Samples	Range of E.Coli Results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	131	0	0-21	0	0
Treated Water - Treatment Plant	52	Absent	Absent	52	<10 - 20
Distribution	354	Absent	Absent	104	<10 - 70

4.2 Lead Sampling and Testing

In 2012, the Municipality applied for relief from the frequency of lead sampling required in the regulation, based on satisfactory historical sample results. Supported by the Health Unit, Brighton was successful in this application and is therefore not required to conduct residential and non-residential lead sampling until fall of 2016. There are plans to reapply in early 2016 for further relief. It is important to note however, that distribution sampling for lead is still required as per O. Reg. 170/03 (Table V and VI).

Table V- 2014 Lead Samples Results for Spring

Sample Type	# of Samples	Pass	Fail	Resamples Pass/Fail
Plumbing – Residential	0	-	-	-
Plumbing – Non-Residential	0	-	-	-
Distribution	3	3	0	Not Required
Total Samples	3	3	0	Not Required

Table VI- 2014 Lead Sample Results for Fall

Sample Type	# of Samples	Pass	Fail	Resamples Pass/Fail
Plumbing – Residential	0	-	-	-
Plumbing – Non-Residential	0	-	-	-
Distribution	3	3	0	Not Required
Total Samples	3	3	0	Not Required

*Note: Plumbing sampling was exempt from lead sampling due to MOECC approval for reduced sampling.

4.3 Chemical Sampling and Testing

Schedule 13 of the regulation requires Large Municipal Residential Systems to test the water supply for the following parameters:

- (i) Inorganics (Schedule 23) be tested at least every 12 months if the system obtains water from a raw water supply that is surface water. Note that once the water system switches to groundwater (wells) then sampling for organic/ inorganic parameters can be reduced to every 36 months.
- (ii) Lead - at least one sample in the distribution system is taken every 12 months from a point in the drinking-water system's distribution system or in plumbing that is connected to the drinking-water system that is likely to have an elevated concentration of lead. In 2007 new Regulations were added to test for Lead -Schedule 15.1-5. Sampling is to be conducted from December 15th to April 15th in the spring, and June 15th to October 15th in the fall in various locations. This constitutes 52 samples for each reporting period; unless the Operating Authority has applied for and received a reduction.
- (iii) Organics – if the system obtains water from a raw water supply that is surface water, at least one water sample is taken every 12 months. When the raw water source is groundwater (wells) then at least one water sample must be taken every 36 months.
- (iv) Trihalomethanes – at least one distribution sample is taken every three months from a point in the drinking-water system that is likely to have an elevated potential for the formation of Trihalomethanes.
- (v) Nitrate and Nitrite, one water sample taken every three months.
- (vi) Sodium, one water sample taken every 60 months.
- (vii) Fluoride, one water sample taken every 60 months.

Sampling results for the above parameters are listed in Appendix 2. There were no exceedances of organic or inorganic parameters tested during the most recent sampling period.

5.0 REPORTS TO MINISTRY OF THE ENVIRONMENT

There were no adverse test results for Brighton's Drinking Water System during the reporting period.

6.0 MAJOR EXPENSES

Major expenses to the drinking water system in 2014 to install, repair or replace required equipment:

- a) Upgrading the SCADA system- \$17,500.00
- b) Rehabilitating Well #2- \$17,599.44

Appendix 1 - 2014 Monthly Summary

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL
FLOW													
TOTAL DISCHARGE FLOWS (m ³)	53,039.60	49,873.70	57,233.40	57,829.40	69,415.40	77,019.00	87,549.0	84,798.1	75,488.90	69,527.70	61,082.50	65,293.00	808,150
DAILY AVG. FLOW (m ³)	1,710.95	1,781.20	1,846.24	1,927.60	2,239.20	2,567.30	2,824.20	2,735.40	2,516.30	2,242.80	2,036.10	2,106.20	2,211
MAXIMUM DAILY DISCHARGE FLOW (m ³)	1,878.23	1,920.82	1,992.25	2,285.50	3,105.00	3,257.90	3,649.30	3,353.50	2,768.60	2,625.10	2,177.90	2,279.70	3,649
MINIMUM DAILY DISCHARGE FLOW (m ³)	1,602.98	1,685.66	1,712.64	1,800.30	1,865.30	1,994.70	2,022.30	2,264.20	2,213.60	1,924.50	1,944.20	1,999.20	1,603
CHLORINE CONSUMPTION													
TOTAL USED (kg)	62.30	58.10	59.30	70.90	77.70	93.60	97.00	104.90	95.00	83.50	76.80	96.20	975.30
DAILY AVERAGE (kg)	2.0	2.1	2.3	2.4	2.5	3.1	3.1	3.4	3.20	2.70	2.60	3.10	2.71
AVERAGE PRE-DAILY DOSAGE (mg/L)	1.13	1.09	1.06	1.09	1.07	1.07	1.07	1.17	1.18	1.06	1.14	1.21	1.11
LOWEST RESIDUAL (mg/L) (POST)	1.00	1.00	0.95	0.74	0.80	0.43	0.88	0.88	1.04	0.86	0.85	0.96	
TURBIDITY (NTU) post													
MONTHLY AVERAGE (POST)	0.11	0.12	0.13	0.13	0.160	0.160	0.13	0.10	0.10	0.13	0.16	0.17	0.133
RANGE (POST)	0.10-0.14	0.12-0.15	0.11-0.14	0.02-2.00	0.13-0.25	0.00-0.18	0.10-0.17	0.10-0.11	0.10-0.10	0.10-0.17	0.16-1.45	0.16-0.19	
pH OUTLET													
MONTHLY AVERAGE	7.42	7.45	7.47	7.50	7.50	7.50	7.50	7.40	7.50	7.50	7.50	7.50	7.48
HIGHEST pH	7.44	7.48	7.51	7.50	7.50	10.40	7.50	7.50	7.50	7.60	7.50	7.50	
TEMPERATURE (° C) OUTLET													
MONTHLY AVERAGE	9.30	9.30	9.30	9.50	9.80	10.20	10.20	10.10	10.10	10.10	9.90	9.90	9.81
MONTHLY LOWEST	9.10	9.10	9.40	9.3	9.5	9.7	9.9	9.9	9.8	9.8	9.5	9.4	

Appendix 2

Drinking-System Regulations O.Reg. 170/03

Part III Form 2

Drinking-Water System Number:	220000807
Drinking-Water System Name:	Brighton Springs Drinking Water System
Drinking-Water System Owner:	Corporation of the Municipality of Brighton
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1 – December 31, 2014

<p><i>Complete if your Category is Large Municipal Residential or Small Municipal Residential</i></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [] No [x]</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;"> <p>Municipal Offices: 35 Alice St., Brighton 67 Sharp Rd., Brighton</p> </div>	<p><i>Complete for all other Categories.</i></p> <p>Number of Designated Facilities served: <input style="width: 100px; height: 20px;" type="text"/></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: <input style="width: 100px; height: 20px;" type="text"/></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>
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Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

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

Drinking Water System Name	Drinking Water System Number
Presqu'île Provincial Park- Parks Ontario	

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 [x] No []

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

Raw Water Source

The water supply for the Municipality of Brighton is from three drilled wells located at 406 County Road 26. The wells are approximately forty metres (130 ft) deep and supply water to Brighton's water treatment plant (WTP) on a rotational basis. Upon initiation of a well pump that has been static for any period of time, the water is pumped to a waste detention pond until turbidity levels are below 1.0 Nephelometric Turbidity Unit (NTU). Then, the water is permitted to pass through the treatment plant system.

According to a report by HydroTerra (2002), the water in the wells is not considered Groundwater Under the Direct Influence of Surface Water (GUDI). A fail safe control system has been installed to ensure that an upward hydraulic gradient is maintained at all times in the supply aquifer. This system includes: water level sensors in each of three observation wells that surround each supply well, a water level sensor in each supply well, an alarm system equipped with pre-determined set-points for well water depth, and a supervisory control and data acquisition (SCADA) data-log system.

Treatment Process

Brighton's WTP provides chlorine disinfection to the water supply and it provides water storage in a two-celled reservoir. The WTP houses a primary and secondary disinfection system consisting of two gas chlorinators, weigh scales, vacuum regulators, injectors and appurtenances to facilitate the application of a chlorine solution at a pre-chlorination location, prior to entering the reservoir and a post-chlorination location, prior to entering the distribution system. Instrumentation and controls, including on-line chlorine residual analyzers and turbidity meters, measure chlorine residuals and turbidity in the water supply prior to distribution. The concrete water storage reservoir is approximately 39 metres by 58 metres. Each cell is equipped with baffles and provides approximately 5,600 cubic metres of water storage. Emergency power for the WTP is provided by an 80 kilowatt, pad mounted standby generator, including an automatic transfer switch.

Distribution System

The Municipality of Brighton's distribution system provides drinking water to approximately 6,900 residents, and Presqu'île Park, through a network of approximately sixty (60) kilometres of piping. There is a chlorine booster station, located at the entrance of Presqu'île Park, where chlorine, turbidity and pressure in the water supply are monitored and recorded. Additionally, there are four pressure reducing valves and two pressure booster pumps.

List all water treatment chemicals used over this reporting period

Chlorine Gas

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 Major expenses to the drinking water system in 2014 include:

a) Upgrading the SCADA system- \$17,500.00

b) Rehabilitating Well #2- \$17,599.44

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
N/A					

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

Microbiological Results	Number of Samples	Range of E.Coli Results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	131	0	0-21	0	0
Treated Water - Treatment Plant	52	Absent	Absent	52	<10 - 20
Distribution	534	Absent	Absent	104	<10 - 70

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 #)
Turbidity	8760	0.02-2.00 NTU
Chlorine	8760	0.43-1.43 mg/L
Fluoride (If the DWS provides fluoridation)	N/A	

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

NOTE: Record the unit of measure if it is not milligrams per litre.

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

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure
N/A				

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedances
Antimony	Aug 26/14	<0.0001	mg/L	No
Arsenic	Aug 26/14	0.0004	mg/L	No
Barium	Aug 26/14	0.075	mg/L	No
Boron	Aug 26/14	0.009	mg/L	No
Cadmium	Aug 26/14	<0.00002	mg/L	No
Chromium	Aug 26/14	<0.002	mg/L	No
*Lead	Aug 26/14			
Mercury	Aug 26/14	<0.00002	mg/L	No
Selenium	Aug 26/14	<0.001	mg/L	No
Sodium	Feb 14/12	4.1	mg/L	No
Uranium	Aug 26/14	0.00058	mg/L	No
Fluoride	Feb 14/12	<0.1	mg/L	No

Nitrite	Nov 11/14	<0.1	mg/L	No
Nitrate	Nov 11/14	2.8	mg/L	No
Nitrate + Nitrite	Nov 11/14	2.8	mg/L	No

*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems.

Summary of lead testing under Schedule 15.1 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	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing	0	-	0
Distribution	6	<0.00005 – 0.00099	0

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedances
Alachlor	Aug 26/14	<0.3	µg/L	No
Aldicarb	Aug 26/14	<3	µg/L	No
Aldrin + Dieldrin	Aug 26/14	<0.02	µg/L	No
Atrazine + metabolites	Aug 26/14	<0.5	µg/L	No
Azinphos-methyl	Aug 26/14	<1	µg/L	No
Bendiocarb	Aug 26/14	<3	µg/L	No
Benzene	Aug 26/14	<0.5	µg/L	No
Benzo(a)pyrene	Aug 26/14	<0.005	µg/L	No
Bromoxynil	Aug 26/14	<0.3	µg/L	No
Carbaryl	Aug 26/14	<3	µg/L	No
Carbofuran	Aug 26/14	<1	µg/L	No
Carbon Tetrachloride	Aug 26/14	<0.2	µg/L	No
Chlordane (Total)	Aug 26/14	<0.04	µg/L	No
Chlorpyrifos	Aug 26/14	<0.5	µg/L	No
Cyanazine	Aug 26/14	<0.5	µg/L	No
Diazinon	Aug 26/14	<1	µg/L	No
Dicamba	Aug 26/14	<5	µg/L	No
1,2-Dichlorobenzene	Aug 26/14	<0.1	µg/L	No

1,4-Dichlorobenzene	Aug 26/14	<0.2	µg/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Aug 26/14	<0.1	µg/L	No
1,2-Dichloroethane	Aug 26/14	<0.1	µg/L	No
1,1-Dichloroethene	Aug 26/14	<0.1	µg/L	No
Dichloromethane	Aug 26/14	<0.3	µg/L	No
2-4 Dichlorophenol	Aug 26/14	<0.1	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	Aug 26/14	<5	µg/L	No
Diclofop-methyl	Aug 26/14	<0.5	µg/L	No
Dimethoate	Aug 26/14	<1	µg/L	No
Dinoseb	Aug 26/14	<0.5	µg/L	No
Diquat	Aug 26/14	<5	µg/L	No
Diuron	Aug 26/14	<5	µg/L	No
Glyphosate	Aug 26/14	<25	µg/L	No
Heptachlor + Heptachlor Epoxide	Aug 26/14	<0.1	µg/L	No
Lindane (Total)	Aug 26/14	<0.1	µg/L	No
Malathion	Aug 26/14	<5	µg/L	No
Methoxychlor	Aug 26/14	<0.1	µg/L	No
Metolachlor	Aug 26/14	<3	µg/L	No
Metribuzin	Aug 26/14	<3	µg/L	No
Monochlorobenzene	Aug 26/14	<0.2	µg/L	No
Paraquat	Aug 26/14	<1	µg/L	No
Parathion	Aug 26/14	<3	µg/L	No
Pentachlorophenol	Aug 26/14	<0.1	µg/L	No
Phorate	Aug 26/14	<0.3	µg/L	No
Picloram	Aug 26/14	<5	µg/L	No
Polychlorinated Biphenyls(PCB)	Aug 26/14	<0.05	µg/L	No
Prometryne	Aug 26/14	<0.1	µg/L	No
Simazine	Aug 26/14	<0.5	µg/L	No
THM (NOTE: show latest annual average)	Feb 4/14 May13/14 Aug 5/14 Nov11/14	Annual Average 0.0056	mg/l	No
Sodium	Feb 14/12	4.1	mg/L	No
Nitrate+Nitrite	Nov11/14	2.8	mg/L	No
Temephos	Aug 26/14	<10	µg/L	No
Terbufos	Aug 26/14	<0.3	µg/L	No
Tetrachloroethylene	Aug 26/14	<0.2	µg/L	No
2,3,4,6-Tetrachlorophenol	Aug 26/14	<0.1	µg/L	No

2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Aug 26/14	<10	µg/L	No
Triallate	Aug 26/14	<10	µg/L	No
Trichloroethylene	Aug 26/14	<0.1	µg/L	No
2,4,6-Trichlorophenol	Aug 26/14	<0.1	µg/L	No
Trifluralin	Aug 26/14	<0.5	µg/L	No
Vinyl chloride	Aug 26/14	<0.2	µg/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			