

Municipality of



Brighton

2006 ANNUAL COMPLIANCE REPORT ON DRINKING WATER QUALITY

Certificate of Approval No. 4570-5PRNE9
Waterworks Identification No. W220000807

2006 ANNUAL SUMMARY REPORT FOR COUNCIL

INDEX

1. Brighton's Municipal Drinking Water System
 - 1.1 *Raw Water Source's*
 - 1.2 *Treatment Process*
 - 1.3 *Distribution System*
 - 1.4 *Consumption and Charges to Consumers*

2. Drinking Water Systems Regulations
 - 2.1 *The Safe Drinking Water Act, 2002*
 - 2.2 *The Drinking-Water Protection Regulation (O.Reg.170/03)*
 - 2.3 *Sustainable Water and Sewage Systems Act, 2002*
 - 2.4 *Definitions*

3. Requirements of the Drinking-Water System Regulation
 - 3.1 *Sample & Test*
 - 3.2 *Use an Accredited Laboratory*
 - 3.3 *Report Adverse Results*
 - 3.4 *Control Documents*
 - 3.5 *Municipal Non-residential compliance*
 - 3.6 *Certified Operators*
 - 3.7 *Prepare an Annual Report*
 - 3.8 *Prepare Annual Summary Report for municipal council*

4. Upgrades to the Drinking-Water System

5. Conclusion

APPENDICES

- Appendix 1 - Brighton Water Supply System – 2006 Monthly Summary
- Appendix 2 – Part III Drinking-Water Systems Regulation O.Reg.170/03
 - Annual Report to MOE
- Appendix 3 – Part III Codrington Community Centre Well Supply Annual Report
- Appendix 4 – Part III Hilton Hall Well Supply Annual Report

2006 ANNUAL SUMMARY REPORT FOR COUNCIL

Summary Reports for Municipalities, Schedule 22 of O.Reg. 170/03, has been prepared to assist Brighton's Municipal Council in understanding the capability and operation of the drinking-water system and the quality of its water.

The report summarizes:

1. Brighton's Large Municipal Residential Drinking-Water System
2. Ontario Drinking-Water Systems Regulations
3. Requirements of the Regulations and System's Approvals
4. Upgrades Required to Correct Deficiencies
5. Brighton's Small Municipal Non-Residential Systems
 - 5.1 Codrington Community Centre Well Supply
 - 5.2 Hilton Hall Well Supply

1. BRIGHTON'S MUNICIPAL DRINKING WATER SYSTEM

1.1 Raw Water Source

In 2006, water sources at the Brighton Water Supply consisted of three drilled wells. The main source of raw water is groundwater which is captured from a deep aquifer by drilled wells located adjacent to the old Upper Reservoir site. There are three wells that draw water from the aquifer under the reservoir area: Well Nos. 1, 2 and 3 pumps work on rotation

As part of Brighton's Turbidity Report-Action Plan and Implementation Schedule, mitigation measures included, pumping to waste until turbidity levels were below 1.0 NTU. As of October 14th, 2005, water was supplied to the new storage and treatment facility by the three groundwater wells.

The Brighton Water Supply Plant has been fortunate in having an excellent source of natural spring water as its main source of water supply. However all existing and future potable water storage structures must be completely covered to prevent contamination of stored water. The transition to a secure groundwater supply to meet O.Reg.170/03 and the Procedure for Disinfection of Drinking Water in Ontario included construction of the third well and a new storage facility. The work was completed and commissioned in October, 2005.

1.2 Treatment Process

Disinfection of water to eliminate disease-causing organisms is the most important step in the water treatment process. In October 2005 our new upgraded system came on-line which changed our system from an open surface water reservoir system to an enclosed concrete storage reservoir. This enables us to have more contact time for disinfection, this is done by injecting Chlorine gas into the water as it enters into one of two cells (*which is called Pre-Chlorination*). In the old system, which was an open reservoir system, the chlorine gas was injected into the water before it entered the **Distribution System** (DS) which did not allow for a enough contact time. A fail safe control system has been installed to ensure that an upward hydraulic gradient is maintained at all times in the raw water supply aquifer. This system includes water level sensors in each observation and production well, an alarm system equipped with pre-determined set-points for well depth, and a SCADA data-log system. The new concrete water storage reservoir is approximately 39 m x 58 m, and consists of two cells. Each cell is equipped with baffles and provides approximately 2800 m³ of water storage and equipped with overflow, drain system, piping and appurtenances, and a watermain from the **Water Treatment Plant** (WTP) and reservoir to the existing distribution system (DS). A WTP building approximately 39 m x 10 m housing a primary and secondary disinfection system consisting of two (2) gas chlorinators, weigh scales, vacuum regulators, injectors and appurtenances to facilitate application of chlorine solution for pre-chlorination at a point where water enters either cell from the wells and also post-chlorination as water enters the DS. Instrumentation and controls including on-line chlorine residual analyzer and turbidity meters measure the chlorine residuals and turbidity in the reservoirs and the outlet to the DS. Also PH and temperature are monitored constantly. Emergency power is provided by a 15 KW standby power generator and a 80 KW trailer mounted standby generator including manually operated transfer switch. There is a drain/bypass line from the WTP and reservoirs to outfall through a bypass detention pond.

1.3 Distribution System

The Municipality of Brighton's distribution system provides drinking water to approximately 5,850 residents through a network of approximately 57 km. of piping and 2,400 residential and 176 commercial accounts. Fire hydrants are maintained by the Water Department, which includes a flushing program, this practice maintains the water quality in the distribution system and assures the hydrants are in good repair. Chlorine residuals, as well as microbiological sampling and testing, in the distribution system are checked on a weekly basis. At least seven separate sites. Operators also test chlorine residuals on a daily basis in the distribution system as per O. Reg. 170/03.

Upgrades to the distribution system in 2006 included replacement of approximately 400 metres of 6" cast water main with 10" PVC main on Alice Street from Dundas to George Street including all house hold services and fire hydrants. All services on Sanford Street from Young to Platt Street were replaced. Installation of a new fire hydrant on Percy street dead end for more fire protection and add a flushing point. On Young Street a 2" flushing line was added at the dead end for flushing and a sampling point.

In 2006, there were 56 water leaks down from the 76 in 2005. They consisted of 2 repairs to watermains, and 2 were main valve repairs and the remaining (52) were services. Most of the water leaks were the cause of worn flared connection fittings and worn copper services. We have started using ¾" plastic pipe for services as the cost of copper piping has gone up tremendously.

1.4 Consumption and Water Rates

Increases in monthly flows in the past years are directly associated with weather patterns where warmer temperatures and decreased precipitation are associated with higher daily flow demands by consumers (see Table 1). In 2006, a total of **911,530 m³** of water was produced. With a full year of metering of water consumption we can now establish accounted for and unaccounted for water, accounted for water is **671,091 m³**, this leaves us with an unaccounted for of **240,439 m³**, *this can be due to leaks but also fire fighting and flushing of the distribution system.* Using an approximate population of **5850** residents on the distribution system, the per capita for water consumption was **115m³/ person/year** or **0.32 m³ (320 Litres)/person/day**. Based on 2006 consumption, the average daily demand was **2,495 m³/day**; the average daily demand represents the average quantity of water used from the water treatment plant. Peak day demand represents the highest volume of water used over a given 24-hour period, usually the hottest day of the year but it could also include fire suppression usage. This occurred on **May 13th, 2006 at 3,899 m³/day** due to a fire on Richardson St. at the Antique Warehouse. We are looking into a water leak detection program for 2007

In 2006, the Bulk Water Facility was utilized by ten water suppliers as well as for municipal projects for a total of 7,707 m³ which is about 0.1% of the total annual flow. There were also sales at the Municipal Public Water Dispenser, *which accounted for 99.6 m³ usage @ \$2 for 19 liters for a sale of \$10,490.00 in 2006.*

On December 20, 2004, Council passed By-law Number 274-2004, which included the new metered water rates for 2006. The by-law enacts the rules and regulations for the installation, repair, maintenance, and access to the Water Supply System and appurtenant water meters, sanitary and storm sewer services and related appurtenances; the billing and collection of charges for water and sewer usage; and the penalties for offences of the water and sewer works in the Municipality of Brighton.

As part of the Municipality of Brighton's water conservation policy, the Water Conservation By-law No. 029-2001, is enforced annually from June 1st to September 15th. This by-law is maintained to regulate and restrict the unnecessary use of water for outdoor purposes within the serviced area. Staff monitor and enforce compliance to this by-law during the period that it is in effect.

Table I

WATER CONSUMPTION / FLOWS (m³)							
MONTH	YEAR						
	2000	2001	2002	2003	2004	2005	2006
January	72,587	76,773	69,912	78,265	71,970	70,952	82,272
February	69,546	63,693	62,483	70,877	68,580	71,484	69,405
March	72,742	77,381	68,314	75,369	79,259	69,759	76,039
April	71,145	73,377	67,718	70,619	72,723	61,223	72,884
May	78,663	115,800	69,653	80,476	79,911	69,198	86,572
June	73,502	89,667	79,769	86,909	89,335	89,504	89,064
July	89,045	114,793	111,753	98,759	87,648	91,527	85,591
August	88,935	115,775	106,421	96,356	86,528	89,244	93,161
September	88,009	88,386	95,634	90,002	78,125	82,643	68,548
October	73,993	78,357	73,716	75,261	76,815	81,680	65,398
November	69,053	73,073	75,738	72,510	74,115	80,713	63,636
December	69,793	73,704	83,509	70,377	72,995	79,890	59,960
Total Flow	917,013	1,040,779	964,620	965,781	938,004	937,827	911,530
Monthly Avg.	76,418	86,732	80,385	80,482	77,908	78,152	75,961
Monthly Max.	89,045	115,800	111,753	98,759	89,335	91,527	93,161
Monthly Min.	69,053	63,693	62,483	70,377	68,580	61,223	59,960

YEAR	2000	2001	2002	2003	2004	2005	2006
Annual avg. daily flow m ³ /day	2,512	2,851	2,643	2,645	2,562	2,545	2,495
Max.daily flow m ³ /day	4,027	4,787	4,958	4,656	3,733	4,087	3,899
Rated Capacity	6,445	6,445	6,445	6,445	6,445	6,445	6,445
%max.day	62%	74%	77%	72%	58%	63%	60%
rated capacity	39%	44%	41%	41%	40%	39%	39%

2. Ontario Drinking Water-Systems Regulations

2.1 THE SAFE DRINKING WATER ACT, 2002

The purpose of the Act is to gather in one place all legislation and regulations relating to the treatment and distribution of drinking water, to protect human health through the control and regulation of drinking-water systems and drinking –water testing. The new Drinking Water Systems Regulation and its supporting regulations can be found at www.ene.gov.on.ca. The Safe Drinking Water Act will be incorporating a statutory standard of care, whereby every director and officer of a corporation (including municipal councilors) that owns a municipal drinking water system has a duty to take all reasonable steps to prevent any user of the system from being exposed to an unreasonable health risk that may arise from their consumption of drinking water. With this, municipal officials are expected to be informed of their drinking water system and acquainted with drinking-water legislation and regulations.

On May 14, 2004 Ministry of the Environment filed a new certification regulation for operators of municipal and regulated non-municipal drinking water systems, titled *O.Reg. 128/04 Certification of Drinking-Water System Operators and Water Quality Analysts* under the *Safe Drinking Water Act, 2002*: This new regulation ensures tougher certification and training rules for water system operators based of the classification of the Municipal Residential System. This regulation explains operating standards for Municipal Residential Subsystems and Limited Subsystems that are to be followed and maintained by the owner or operating authority of the subsystem including record-keeping re: operation of the subsystem, operation and maintenance manuals, operator training, and duties of the operator-in-charge.

2.2 THE DRINKING WATER PROTECTION REGULATION (O.Reg.170/03)

Effective June 1, 2003, the Drinking Water Protection Regulation (O.Reg. 170/03) replaced the Drinking Water Protection Regulation for larger Waterworks (O.Reg. 459/00). Regulation 170/03 sets water treatment standards for a variety of water systems and includes a number of supporting regulations, including the Drinking Water Quality Standards Regulation (O.Reg. 169/03) which prescribes standards for 161 physical/chemical, microbiological and radiological parameters.

2.3 SUSTAINABLE WATER AND SEWAGE SYSTEMS ACT, 2002

Helps ensure clean, safe drinking water for Ontario residents by making it mandatory for municipalities to assess and cost-recover the full amount of water and sewer services. A report to the Ministry on the full cost of water and wastewater services is to include a cost recovery plan for operating costs, source protection costs, financing costs, renewal and replacement costs and improvement costs associated with treating and distributing water to the public.

2.4 DEFINITIONS

Accredited Lab, all laboratories that test drinking water must be accredited for the tests they perform by the Standards Council of Canada or its equivalent. Accreditation involves performance testing and auditing to ensure that laboratories follow appropriate procedures using acceptable methods.

Chlorine Residual – chlorine residual in water is a component of chlorine after the initial disinfection or chlorine demand has been satisfied. The maintenance of a chlorine residual in the distribution system is intended to keep a persistent disinfectant residual to protect the water from microbiological re-contamination and serve as an indicator of distribution system integrity.

GUDI Groundwater Under Direct Influence of Surface Water – in some groundwater supplies, situations may exist where contaminants typically found on the ground or in surface water, such as a lake or river, find their way into the groundwater and can be pumped from the well into the water distribution system. Such a system is referred to as Groundwater Under Direct Influence of Surface Water or GUDI. This can be caused by a number of different factors including the geology surrounding a well, insufficient travel time between the well intake and surface water or a defect in the well. A true groundwater supply would normally be free of harmful microbiological contaminants and reflect only disinfection be provided as a minimum level of treatment along with a minimum chlorine residual after 15 minutes contact time.

MAC Maximum Acceptable Concentration – This is a health-related Ontario drinking water standard established for contaminants that have known or suspected adverse health effects when above a certain concentration. The length of time the MAC can be exceeded without injury to health will depend of the nature and concentration of the parameter.

IMAC Interim Maximum Acceptable Concentration – This is a health related Ontario drinking water standard established for contaminants when there are insufficient toxicological data to establish a MAC with reasonable certainty, or when it is not practical to establish a MAC at the desired level.

Inorganic parameters – substances such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production mining, farming, or domestic plumbing.

OG Operational Guidelines are established for parameters that need to be controlled to ensure efficient and effective treatment and distribution of water.

mg/L milligrams per litre is a measure of concentration of a parameter in water, sometimes called parts per million (ppm).

µg/L micrograms per litre is a measure of concentration of a parameter in water, sometimes called parts per billion (ppb).

Parameter is a substance that is sampled and analyzed in the water.

Potable Water is water from ground or surface sources that is supplied for human consumption.

Raw Water – water entering the treatment plant prior to any chemical addition. Raw water sampling and analysis provides a measure of source water quality which allows assessment

and adjustment of treatment process; information on the source of any contaminants; and long term trends in source water quality.

Total Trihalomethanes (THM) – are the most widely occurring synthetic organics found in chlorinated drinking water. The principal source of Trihalomethanes is the action of chlorine with naturally occurring organics (material that comes from plant or animal sources). The maximum acceptable concentration for THM is 0.10 mg/L based on four quarter moving annual average test results, tested at a remote point site in the distribution system.

Turbidity – turbidity in water is caused by the presence of suspended matter such as clay, silt and microscopic organisms and is commonly present in the source water as a result of soil runoff. The substances and particles that cause turbidity can be responsible for interference with disinfection, can be a source of disease-causing organisms, and can shield pathogenic organisms from the disinfection process.

Treated Water is source water that has been altered in order to disinfect and ensure treatment has producing water of equal or better quality.

3 Requirements of the Drinking-Water System Regulation

3.1 Sample & Test drinking water in a frequency designed to reflect the type and user of the system. Specific requirements for each category differ depending on the size and population served.

- Category of System - Brighton Water Supply System is categorized as **Large Municipal Residential**, which is defined as a municipal drinking water system that serves a major residential development of more than 100 private residences.
- Sampling & Testing requirements for a Large Municipal Residential drinking water system state that the owner of the drinking-water system and the operating authority for the system shall ensure samples be tested for the following:
 - Microbiological Sampling– O.Reg. 170/03 Schedule 10

Taken Weekly-Normally on Tuesday's unless specified by the Laboratory

Distribution Samples

-If the system serves 100,000 people or less, at least 8 distribution samples, plus one additional sample for every 1,000 people served by the system are taken every month, with at least one sample being taken each week. Each sample shall be tested for:

1. Escherichia Coli (E.C.) and
2. Total Coliform (T.C.)

Also- twenty-five (25%) of the distribution samples will be tested for colony counts and a Heterotrophic plate count (H.P.C.)

Number of Samples

-Less than 100,000 people 8

Municipality of Brighton

-less than 6,000 people $\frac{+6}{14}$

7 distribution samples are taken weekly and tested for PRESENCE/ ABSENCE (P/A) of Tc/Ec with 2 samples tested for H.P.C.’s

Treated Samples

A water sample is taken a least once every week and tested for Ec/Tc and a H.P.C.’s at the point of entry to the distribution system.

Raw Water Samples

A sample is taken at least once a week from the systems raw water supply, before any treatment is applied. One sample from each well is tested for Ec/Tc.

Table 2-Microbiological Sampling & Testing-Large Municipal Residential

Source	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Well #1	5	4	4	4	5	4	5	5	4	5	4	4	53
Well #2	5	4	4	4	5	4	5	5	4	5	4	4	53
Well #3	5	4	4	4	5	4	5	5	4	5	4	4	53
Total Raw Samples	15	12	12	12	15	12	15	15	12	15	12	12	159

POE (Point of Entry)	5	4	4	4	5	4	5	5	4	5	4	4	53
Distribution System	30	29	28	28	35	29	30	42	36	36	28	28	379
Total Treated Samples	35	33	32	32	40	33	35	47	40	41	32	32	432

Microbiological Results	Number of Samples	Range of E.Coli Results	Range of Total Coliform Results	Number of HPC Samples	Range of HPC Results
Raw	159	<1	<1	0	
POE Treated	53	Absent	Absent	0	0
Distribution	379	<1	<1	106	<10 - 50

- Chemical Sampling & Testing – O.Reg. 170/03 Schedule 13 requires Large Municipal Residential Systems be tested for the following:

Inorganics At least one sample is to be taken at least every 36 months (3 Years) if the system obtains water from a raw water supply that is ground water and is tested for every parameter set out in Schedule 23.

Lead - at least one sample in the distribution system is taken every 12 months (1 Year)

Organics At least one sample is to be taken at least every 36 months (3 Years) if the system obtains water from a raw water supply that is ground water and is tested for every parameter set out in Schedule 24.

Note if test results for inorganics, lead, or organics exceed half of the standard prescribed for the parameter in schedule 2 of the Ontario Drinking Water Quality Standards. The frequency of sampling for the parameter shall be increased so that at least one sample is taken every tree months (ceases to apply to parameter if) See Schedule 13, Section 13-5, Subsection 2(B)

Trihalomethanes – at least one distribution sample is taken every three months

Nitrate and Nitrite- one water sample taken every three months.

Sodium - one water sample taken every 60 months (5 years).

Fluoride - one water sample taken every 60 months (5 years).

See **Appendix I** – Part III Form 2 for Brighton’s Annual Report electronic submission to MOE; there were no exceedances of organic or inorganic parameters tested during this period.

3.1 Use an Accredited Laboratory

Drinking-water systems must use a licensed laboratory as outlined in the Drinking Water Testing Services Regulation (O.Reg.248/03) which became law in June 2003.

- Laboratory Services Notification Forms O.Reg. 170/03 were completed and submitted to the Ministry of Environment. Confirmation that Caduceon Laboratories in Kingston, Nepean, and Ottawa as well as Lakefield Research are listed with The Standards Council of Canada as an accredited lab was made. Notifications were sent to the labs to ensure clear and complete notification is reported when adverse water quality incidents may be reported.

3.2 Report adverse test results that exceed any of the standards in Schedules 1, 2, 3 (other than fluoride) in the Ontario Drinking Water Quality Standards (O.Reg.169/03) verbally and in writing to both the local Medical Officer of Health and the Ministry of the Environment.

- ***This year we had no adverse test results.***
- One adverse water quality incident reported during the 2006 year AWQI 621-48 was reported by the owner on January 21/06 as schedule 16-4 improper disinfected water direct to user event. As it turned out, this was a not reportable incident under schedule 16-4.

A local resident, connected to the Brighton distribution system, took his own sample on January 17, 2006 from his own tap and submitted the sample to the local Health Unit. On Friday afternoon, January 20, 2006, the resident was notified by the Health Unit that the lab result “indicated bacteria or EC”. The resident was advised to boil the

water. The Municipality was also advised by the Health Unit to take chlorine residual reading at the residence and sample on the next routine sampling day, unless low chlorine residual readings were detected. Staff responded to the residence on the morning of January 21/06 and found the chlorine residual to be 1.06mg/l free and 1.13mg/l total. Staff noted that the sink from which the sample had been collected had a dirty aerator, which had not been removed when the resident took the sample. Samples collected by the Municipality throughout the distribution system on January 24, 2006, at which we had no adverse results.

3.3 Obtain a Certificate of Approval and a Permit to Take Water for a municipal residential drinking-water system from the ministry. *In the future, approval will be replaced with municipal drinking-water system licenses and drinking-water works permits. In order to obtain a licence, an owner will be required to have an operational plan approved by the ministry, an accredited operating authority, financial plans, a permit to take water and a drinking water works permit.*

Brighton Water Supply System's Approvals include:

- 1) Certificate of Approval Number 5482-6FJQH dated the 25th day of August, 2005 amended the previous certificate by extending the completion date to October 31st, 2005, for upgrades of the drinking-water system to comply with O.Reg. 170/03 and Procedure for Disinfection of Drinking Water in Ontario. Commissioning of the new facility was completed in accordance with the current certificate and is now Classified as Water Distribution and Supply Class III

- 2) Permit to Take Water No. 2001-62MNU2 was issued to the municipality on September 27, 2004 and authorizes the withdrawal of water from each of the production wells Nos. 1, 2 and 3 at a maximum rate of 1,494 L/min. or about 2,151,360 L/day.

Well No. 1	1,494 L/min or 2,151,360 L/day
Well No. 2	1,494 L/min or 2,151,360 L/day
Well No. 3	1,494 L/min or 2,151, 360 L/day

3.3 Have certified operators or trained persons, depending on category of system.

Certified Operators include:

Mike Ryckman, Overall Responsible Operator, Supervisor, WDS III
Mark Alexander, WDSII
Keith Lee, WDSI
Steve Wong, OIT

“Operator training requirements, under the new O. Reg. 128/04 state that in the transition from O.Reg. 435/93, at least 40 hours of training are required by July 31, 2005. In each of the two years that begin on August 1, 2005 and end of July 31, 2007, the annual number

of hours of training required under Section 29 in each year will be a total of 40 hours of which 14 hours or more are continuing education and the remaining hours as on-the-job practical training.”

3.4 Prepare an annual report in order that the public has access to information on the status of drinking water.

Annual reports are prepared in accordance with O.Reg.170/03. Drinking water reports are available at both municipal offices and the municipal website; the public is informed via newspaper when it is available. The Annual Report on Drinking Water must be passed by Resolution of Council.

3.5 Prepare an Annual Summary Report, on municipal residential systems for municipal Councilors, members of a municipal service board, or the board of directors of municipal business corporations, as appropriate.

This report must include information regarding the requirements of the Act (Section 3.1 of this report), the regulations (Section 2), the System’s approval (Section 3.4) and any order that the system failed to meet during the period of the report noting the duration of the failure and the measures taken to correct the failure. The report must also include flow rates of the water supplied during the period including monthly average, maximum daily flows, and the rated capacity for the purpose of assessing the capability of the system (Table 1), and daily instantaneous peak flow rates (Appendix III). The report must include information for the purpose of enabling the owner of the system to assess the capability of the system to meet existing and future planned uses of the system.

4 Upgrades to the Drinking-Water Treatment Plant to Correct Deficiencies.

1. No upgrades were needed to the Treatment Plant Facility this year to maintain standards and inspections set fourth by the Ministry of the Environment.

5. Conclusion

With the completion of the new enclosed storage reservoir, control building, state of art monitoring and testing equipment and installation of another supply well in 2005, the Brighton water supply and distribution system has achieved full compliance with our Certificate of Approval and Ontario Regulation 170/03. The new facility is expected to accommodate the needs of the community for many years.

The Brighton Water Department is proud of its water quality and is committed to providing the safe and reliable water supply.

Chart 1

Brighton Water Supply Monthly Values 2006													
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	ANNUAL
FLOWS <small>Maximum demand/day 6,446 m³/day as per Certificate of Approval</small>													
TOTAL FLOWS (m ³)	82,272	69,405	76,039	72,884	86,572	89,064	85,591	93,161	68,548	65,398	63,636	58,960	911,530
DAILY AVG. FLOW (m ³)	2,654	2,479	2,453	2,433	2,793	2,969	2,760	3,005	2,266	2,109	2,121	1,902	2,495
MINIMUM DAILY FLOW (m ³)	2,472	2,363	2,295	2,239	2,365	2,376	2,216	2,427	2,011	1,967	1,926	1,757	1,757
MAXIMUM DAILY FLOW (m ³)	2,927	2,652	2,695	3,356	3,899	3,765	3,586	3,608	2,548	2,250	2,243	2,065	3,899
CHLORINE CONSUMPTION													
TOTAL USED (kg)	98.10	113.40	91.70	87.80	119.40	110.50	98.10	113.40	75.20	67.20	65.70	54.70	1,095.20 kg
DAILY AVERAGE (kg)	3.42	2.90	3.00	2.93	3.90	3.70	3.20	3.70	2.50	2.20	2.20	1.80	2.95 kg
AVERAGE DAILY DOSAGE (mg/L)	1.18	1.02	1.02	1.00	1.10	1.09	1.06	1.20	1.08	1.03	0.94	0.92	1.05 mg/L
CHLORINE RESIDUALS <small>Locality Average Only</small>													
FREE CHLORINE (POE)	1.15	1.06	1.05	1.08	1.15	1.09	1.07	1.11	0.99	0.90	0.96	0.88	1.04
FREE CHLORINE (Dist. System)	1.06	1.00	0.97	0.98	1.09	1.14	1.03	1.01	0.92	0.86	0.82	0.80	0.97
NOTE: POE measured by on-line instrumentation / Distribution measured by operator's using HACH kit.													
TURBIDITY (NTU) <small>Point of Entry</small>													
MONTHLY AVERAGE	0.10	0.800	0.080	0.080	0.090	0.080	0.090	0.090	0.090	0.090	0.14	0.140	0.156
range	0.04-1.62	0.8-0.16	0.08-0.10	0.08-0.16	0.08-0.11	0.08-0.08	0.8-0.44	0.08-0.09	0.10-0.70	0.10-0.89	0.10-1.05	0.18-0.34	
pH <small>Point of Entry</small>													
MONTHLY AVERAGE	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.8	7.6	7.6	7.7
TEMPERATURE (°C) <small>Point of Entry</small>													
MONTHLY AVERAGE	9.32	9.27	9.26	9.40	9.43	9.73	9.85	9.65	9.65	9.56	9.45	9.37	9.50

Drinking-System Regulations O.Reg. 170/03

Part III Form 2

Section 11. ANNUAL REPORT.

Drinking-Water System Number:	220000807
Drinking-Water System Name:	Brighton Water Supply 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, 2005

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></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 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><u>Complete for all other Categories.</u></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>
--	--

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

Presqu'ile 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.

- [X] Public access/notice via the web
- [X] Public access/notice via Government Office
- [X] Public access/notice via a newspaper
- [X] Public access/notice via Public Request
- [] Public access/notice via a Public Library
- [] Public access/notice via other method

Describe your Drinking-Water System

In 2005, during the period January 1st to October 31st, the water works include Surface Water Source from 2 spring fed reservoirs, the lead source is Upper Reservoir, supplemented by the Lower Reservoir or drilled wells. Two wells PW1-90 and PW2-90 may be used having the flow pumped directly to the Upper Reservoir. Water is chlorinated as it enters the distribution system, there is no other treatment i.e. filtration provided. Treated water is gravity fed to the distribution system. On October 31st, 2005, the new Water Supply and storage system was commissioned, which included a third production well to provide all water from ground sources. The new system also includes; water level sensors in each observation and production well, an alarm system equipped with pre-determined set-points for well depth, and a SCADA data-login system. A concrete reservoir, approximately 38 m x 58 m consisting of two cells, each cell is equipped with baffles providing approximately 2,800 m³ (each cell) storage, equipment with overflow, drain system, piping and appurtenances, and a watermain from the **Water Treatment Plant** (WTP) and reservoir to the existing distribution system (DS). A WTP building housing a primary and secondary disinfection system consisting of two (2) gas chlorinators, weigh scales, vacuum regulators, injectors and appurtenances to facilitate application of chlorine solution for pre-chlorination at a point where water enters either reservoirs from the wells and post chlorination as water enters the DS; instrumentation and controls including on-line chlorine residual analyzer and turbidity meters measure the chlorine residuals and turbidity in the reservoirs and the outlet to the DS; a 15 KW standby power unit and a 80 KW trailer mounted standby generator including manually operated transfer switch; and a drain/bypass line from the WTP and reservoirs to outfall through a bypass detention pond. Classified as Water Distribution & Supply Class 3.

--

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**

1 Describe

New storage reservoir completed, in service as of October 14, 2005
--

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	Corrective Action	Corrective
---------------	-----------	--------	------	----	-------------------	------------

Municipality of Brighton

			Measure		Action Date

Microbiological testing done under section 8 (2) during this reporting period

	Number of Samples	Range of E.Coli or Fecal Results (#-#)	Range of Total Coliform Results (#-#)	Number of HPC Samples	Range of HPC Results (#-#)
Raw	190	<1 - 238	<1->400	0	
Treated	52	absent	<1 -1	0	<10-20
Distribution	324	<1	<1	104	<10-40

Operational testing done under Schedule 7, 8 or 9 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (#-#)
Turbidity	8760	0.02-2.00 ntu's
Chlorine	8760	0.38-2.05
Fluoride (If the DWS provides fluoridation)		

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 or order.

Date of order or C of A	Parameter	Date Sampled	Result	Unit of Measure

Schedule 23

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

2 Parameter	3 Sample Date	Result Value	4 Unit of Measure	5 Exceedance
Antimony	Oct 04/06	<0.001	mg/L	No
Arsenic	Oct 04/06	0.002	mg/L	No
Barium	Sept 29/06	0.075	mg/L	No
Boron	Sept 29/06	0.006	mg/L	No
Cadmium	Oct 04/06	<0.0001	mg/L	No
5.1 Chromium	Sept 29/06	<0.002	mg/L	No
5.1 Lead	Sept 27/06	<0.0002	mg/L	No
Mercury	Oct 03/06	<0.00006	mg/L	No

Municipality of Brighton

Selenium	Oct 04/06	<0.001	mg/L	No
Uranium	Oct 04/06	0.0006	mg/L	No
Fluoride	Dec 13/05	<0.1	mg/L	No
Nitrite	Dec 11/06	<0.1	mg/L	No
Nitrate	Dec 11/06	3.3	mg/L	No

Schedule 24

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	Dec 13/05	<0.3	µg/L	no
Aldicarb	Dec 13/05	<3	µg/L	no
Aldrin + Dieldrin	Dec 13/05	<0.02	µg/L	no
Atrazine + metabolites	Dec 13/05	<0.5	µg/L	no
Azinphos-methyl	Dec 13/05	<1	µg/L	no
Bendiocarb	Dec 13/05	<3	µg/L	no
Benzene	Dec 13/05	<0.5	µg/L	no
Benzo(a)pyrene	Dec 13/05	<0.005	µg/L	no
Bromodichloromethane	Dec 06/06	2.3	µg/L	no
Bromofluorobenzene	Dec 06/06	104	%	no
Bromoxynil	Dec 13/05	<0.3	µg/L	no
Carbaryl	Dec 13/05	<3	µg/L	no
Chloroform	Dec 06/06	3.1	µg/L	no
Carbofuran	Dec 13/05	<1	µg/L	no
Carbon Tetrachloride	Dec 13/05	<0.2	µg/L	no
Chlordane (Total)	Dec 13/05	<0.04	µg/L	no
Chlorpyrifos	Dec 13/05	<0.5	µg/L	no
Cyanazine	Dec 13/05	<0.5	µg/L	no
Diazinon	Dec 13/05	<1	µg/L	no
Dicamba	Dec 13/05	<5	µg/L	no
1,2-Dichlorobenzene	Dec 13/05	<0.1	µg/L	no
1,4-Dichlorobenzene	Dec 13/05	<0.2	µg/L	no
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Dec 13/05	<0.1	µg/L	no
1,2-Dichloroethane	Dec 06/06	<0.1	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	Dec 13/05	<0.1	µg/L	no
Dichloromethane-d4,1,2-(\$\$)	Dec 06/06	100	%	no
2,4 Dichlorophenol	Dec 13/05	<0.1	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	Dec 13/05	<5	µg/L	no
Diclofop-methyl	Dec 13/05	<0.5	µg/L	no
Dimethoate	Dec 13/05	<1	µg/L	no
Dinoseb	Dec 13/05	<0.52	µg/L	no
Diquat	Dec 13/05	<5	µg/L	no
Diuron	Dec 13/05	<5	µg/L	no
Glyphosate	Dec 13/05	<25	µg/L	no
Heptachlor + Heptachlor Epoxide	Dec 13/05	<0.1	µg/L	no
Linadane (Total)	Dec 13/05	<0.1	µg/L	no
Malathion	Dec 13/05	<5	µg/L	no
Methoxychlor	Dec 13/05	<0.1	µg/L	no
Metolachlor	Dec 13/05	<3	µg/L	no
Metribuzin	Dec 13/05	<3	µg/L	no
Monochlorobenzene	Dec 13/05	<0.2	µg/L	no

Municipality of Brighton

Paraquat	Dec 13/05	<1	µg/L	no
Parathion	Dec 13/05	<3	µg/L	no
Pentachlorophenol	Dec 13/05	<0.1	µg/L	no
Phorate	Dec 13/05	<0.3	µg/L	no
Picloram	Dec 13/05	<5	µg/L	no
Polychlorinated Biphenyls(PCB)	Dec 13/05	<0.05	µg/L	no
Promethyne	Dec 13/05	<0.1	µg/L	no
Simazine	Dec 13/05	<0.5	µg/L	no
THM (NOTE: show latest quarterly average-10.8) Avg. 11.2	Dec 06/06	6.8	µg/L	no
Temephos	Dec 13/05	<10	µg/L	no
Terbufos	Dec 13/05	<0.4	µg/L	no
Tetrachloroethylene	Dec 13/05	<0.2	µg/L	no
2,3,4,6-Tetrachlorophenol	Dec 13/05	<0.1	µg/L	no
Triallate	Dec 13/05	<10	µg/L	no
Trichloroethylene	Dec 13/05	<0.1	µg/L	no
2,4,6-Trichlorophenol	Dec 13/05	<0.1	µg/L	no
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Dec 13/05	<10	µg/L	no
Trifluralin	Dec 13/05	<0.5	µg/L	no
Toluene-d8 (\$\$)	Dec 06/06	103	%	no
Vinyl Chloride	Dec 13/05	<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

(Only if category is large municipal residential, small municipal residential, large municipal non residential, small municipal non residential, large non municipal non residential)

Appendix 3

Drinking-System Regulations O.Reg. 170/03
Part III Form 2

Section 11. ANNUAL REPORT.

Drinking-Water System Number:	260033813
Drinking-Water System Name:	Codrington Community Centre Well Supply
Drinking-Water System Owner:	The Corporation of the Municipality of Brighton
Drinking-Water System Category:	Small Municipal Non Residential
Period being reported:	January 1-December 31, 2006

<p><i><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></i></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [] No []</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [] No []</p> <p>Location where Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; height: 80px; width: 100%;"></div>	<p><i><u>Complete for all other Categories.</u></i></p> <p>Number of Designated Facilities served:</p> <div style="border: 1px solid black; width: 100px; text-align: center; padding: 2px;">0</div> <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:</p> <div style="border: 1px solid black; width: 100px; text-align: center; padding: 2px;">0</div> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No []</p>
--	---

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

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 []

Indicate how you notified system users that your annual report is available, and is free of charge.

- [X] Public access/notice via the web
- [X] Public access/notice via Government Office
- [X] 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

One Well supplies water to community centre, no treatment

List all water treatment chemicals used over this reporting period

None

Were any significant expenses incurred to?

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

6 Describe

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

Microbiological testing done under section 8 (2) during this reporting period

	Number of Samples	Range of E.Coli or Fecal Results (#-#)	Range of Total Coliform Results (#-#)	Number of HPC Samples	Range of HPC Results (#-#)
Raw	52	<1	<1-1	52	<10-30 cts/1ml
Treated					
Distribution					

Operational testing done under Schedule 7, 8 or 9 during the period covered by this Annual Report.

	Number of	Range of Results

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

Municipality of Brighton

	Grab Samples	(#-#)
Turbidity		
Chlorine		
Fluoride (If the DWS provides fluoridation)		

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 or order.

Date of order or C of A	Parameter	Date Sampled	Result	Unit of Measure

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony				
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
5.1 Lead				
Mercury				
Selenium				
Uranium				
Fluoride				
Nitrite	December 13/05	<0.1	mg/L	No
Nitrate	December 13/05	<0.1	mg/L	No

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance

Municipality of Brighton

Alachlor				
Aldicarb				
Aldrin + Dieldrin				
Atrazine + N-dealkylated metabolites				
Azinphos-methyl				
Bendiocarb				
Benzene				
Benzo(a)pyrene				
Bromoxynil				
Carbaryl				
Carbofuran				
Carbon Tetrachloride				
Chlordane (Total)				
Chlorpyrifos				
Cyanazine				
Diazinon				
Dicamba				
1,2-Dichlorobenzene				
1,4-Dichlorobenzene				
Dichlorodiphenyltrichloroethane (DDT) + metabolites				
1,2-Dichloroethane				
1,1-Dichloroethylene (vinylidene chloride)				
Dichloromethane				
2,4 Dichlorophenol				
2,4-Dichlorophenoxy acetic acid (2,4-D)				
Diclofop-methyl				
Dimethoate				
Dinoseb				
Diquat				
Diuron				
Glyphosate				
Heptachlor + Heptachlor Epoxide				
Linadane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				

Municipality of Brighton

Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
THM (NOTE: show latest quarterly average)				
Temephos				
Terbufos				
Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)				
Trifluralin				
Vinyl Chloride				

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

(Only if category is large municipal residential, small municipal residential, large municipal non residential, small municipal non residential, large non municipal non residential)

Appendix 4

Drinking-System Regulations O.Reg. 170/03

Part III Form 2

Section 11. ANNUAL REPORT.

Drinking-Water System Number:	260033800
Drinking-Water System Name:	Hilton Hall
Drinking-Water System Owner:	Municipality of Brighton
Drinking-Water System Category:	Small Municipal none Residential
Period being reported:	Janaury1/05- December 31/06

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [] No []</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [] 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; height: 80px; width: 100%;"></div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served:</p> <div style="border: 1px solid black; width: 100px; text-align: center; padding: 2px;">0</div> <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:</p> <div style="border: 1px solid black; width: 100px; text-align: center; padding: 2px;">0</div> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No []</p>
---	--

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

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 []

Indicate how you notified system users that your annual report is available, and is free of charge.

Municipality of Brighton

- 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

One well supplies water to Hall, inline filter and UV for disinfection.

List all water treatment chemicals used over this reporting period

None

Were any significant expenses incurred to?

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

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

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

Municipality of Brighton

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 Samples	Range of HPC Results (min #)-(max #)
Raw	52	<1	<1cts/100ml	52	
Treated	52	<1	<1cts/100ml	52	0-30cts/1ml
Distribution					

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		
Chlorine		
Fluoride (If the DWS provides fluoridation)		

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

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony				
Arsenic				
Barium				
Boron				
Cadmium				
5.1 Chromium				
5.1 Lead				
Mercury				
Selenium				

Municipality of Brighton

Sodium				
Uranium				
Fluoride				
Nitrite	Dec13/05	<0.1	mg/l	no
Nitrate	Dec 13/05	0.8	mg/l	no

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

Parameter	8 Sample Date	Result Value	9 Unit of Measure	10 Exceedance
Alachlor	Dec 13/05	<0.3	µg/L	no
Aldicarb	Dec 13/05	<3	µg/L	no
Aldrin + Dieldrin	Dec 13/05	<0.02	µg/L	no
Atrazine + metabolites	Dec 13/05	<0.5	µg/L	no
Azinphos-methyl	Dec 13/05	<1	µg/L	no
Bendiocarb	Dec 13/05	<3	µg/L	no
Benzene	Dec 13/05	<0.5	µg/L	no
Benzo(a)pyrene	Dec 13/05	<0.005	µg/L	no
Bromoxynil	Dec 13/05	<0.3	µg/L	no
Carbaryl	Dec 13/05	<3	µg/L	no
Carbofuran	Dec 13/05	<1	µg/L	no
Carbon Tetrachloride	Dec 13/05	<0.2	µg/L	no
Chlordane (Total)	Dec 13/05	<0.04	µg/L	no
Chlorpyrifos	Dec 13/05	<0.5	µg/L	no
Cyanazine	Dec 13/05	<0.5	µg/L	no
Diazinon	Dec 13/05	<1	µg/L	no
Dicamba	Dec 13/05	<5	µg/L	no
1,2-Dichlorobenzene	Dec 13/05	<0.1	µg/L	no
1,4-Dichlorobenzene	Dec 13/05	<0.2	µg/L	no
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Dec 13/05	<0.1	µg/L	no
1,2-Dichloroethane	Dec 13/05	<0.1	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	Dec 13/05	<0.1	µg/L	no
Dichloromethane	Dec 13/05	<0.3	µg/L	no
2,4 Dichlorophenol	Dec 13/05	<0.1	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	Dec 13/05	<5	µg/L	no
Diclofop-methyl	Dec 13/05	<0.5	µg/L	no
Dimethoate	Dec 13/05	<1	µg/L	no
Dinoseb	Dec 13/05	<0.52	µg/L	no
Diquat	Dec 13/05	<5	µg/L	no
Diuron	Dec 13/05	<5	µg/L	no
Glyphosate	Dec 13/05	<25	µg/L	no
Heptachlor + Heptachlor Epoxide	Dec 13/05	<0.1	µg/L	no
Linadane (Total)	Dec 13/05	<0.1	µg/L	no
Malathion	Dec 13/05	<5	µg/L	no
Methoxychlor	Dec 13/05	<0.1	µg/L	no
Metolachlor	Dec 13/05	<3	µg/L	no
Metribuzin	Dec 13/05	<3	µg/L	no
Monochlorobenzene	Dec 13/05	<0.2	µg/L	no

Municipality of Brighton

Paraquat	Dec 13/05	<1	µg/L	no
Parathion	Dec 13/05	<3	µg/L	no
Pentachlorophenol	Dec 13/05	<0.1	µg/L	no
Phorate	Dec 13/05	<0.3	µg/L	no
Picloram	Dec 13/05	<5	µg/L	no
Polychlorinated Biphenyls(PCB)	Dec 13/05	<0.05	µg/L	no
Promethyne	Dec 13/05	<0.1	µg/L	no
Simazine	Dec 13/05	<0.5	µg/L	no
THM (NOTE: show latest quarterly average-10.8) Avg. 11.2	Dec 13/05	6.7	µg/L	no
Temphos	Dec 13/05	<10	µg/L	no
Terbufos	Dec 13/05	<0.4	µg/L	no
Tetrachloroethylene	Dec 13/05	<0.2	µg/L	no
2,3,4,6-Tetrachlorophenol	Dec 13/05	<0.1	µg/L	no
Triallate	Dec 13/05	<10	µg/L	no
Trichloroethylene	Dec 13/05	<0.1	µg/L	no
2,4,6-Trichlorophenol	Dec 13/05	<0.1	µg/L	no
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Dec 13/05	<10	µg/L	no
Trifluralin	Dec 13/05	<0.5	µg/L	no
Vinyl Chloride	Dec 13/05	<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

(Only if DWS category is large municipal residential, small municipal residential, large municipal non residential, non municipal year round residential, large non municipal non residential)