

**Part III Form 2  
Section 11. ANNUAL REPORT.**

<b>Drinking-Water System Number:</b>	220006053
<b>Drinking-Water System Name:</b>	Cana Well System
<b>Drinking-Water System Owner:</b>	City of Kingston
<b>Drinking-Water System Category:</b>	Small Municipal Residential
<b>Period being reported:</b>	January 1, 2005 – December 31, 2005

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></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;"> <p>The Summary Report prepared in accordance to section 22 of O. Reg.170/03 has been given to the members of the municipal council of the City of Kingston.</p> </div>	<p><b><u>Complete for all other Categories.</u></b></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

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.

- 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 water is supplied from a 150mm steel cased drilled well. Sodium Hypochlorite is injected into the system after the pressure tank for disinfection. The water then passes through detention tanks that allow time for the chlorine to be in contact with the water and achieve disinfection before it enters the distribution system. On-line analyzers monitoring chlorine residual and turbidity are remotely monitored, recorded and alarmed to ensure water quality. The distribution system replacement undertaking began in 2002 and was completed in 2003.

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

Sodium Hypochlorite

**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**

Installed new security equipment.

**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 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	63	0	0	0	
Treated	64	0	0	64	0 - 40
Distribution	67	0	0	65	0 - 20

**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	0.010 – 2.0 NTU
Chlorine Residual Treated	8760	0.80 – 4.11 mg/l
Chlorine Residual Distribution System	8760	0.90 – 3.75 mg/l
Fluoride (If the DWS provides Fluoridation)	N/A	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	Sample Type	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
Sodium	1/6/2005	106	mg/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	01/17/2005	<0.001	mg/l	No
Arsenic	01/17/2005	0.001	mg/l	No
Barium	01/17/2005	0.217	mg/l	No
Boron	01/17/2005	0.113	mg/l	No
Cadmium	01/17/2005	<0.0001	mg/l	No

<b>Chromium</b>	01/17/2005	<0.002	mg/l	No
<b>Lead(Distribution)</b>	01/17/2005	<0.0002	mg/l	No
<b>Mercury</b>	01/17/2005	<0.00006	mg/l	No
<b>Selenium</b>	01/17/2005	0.001	mg/l	No
<b>Sodium</b>	01/17/2005	94	mg/l	No
<b>Uranium</b>	01/17/2005	0.0023	mg/l	No
<b>Fluoride</b>	01/17/2005	0.4	mg/l	No
<b>Nitrite</b>	01/17/2005	<0.1	mg/l	No
<b>Nitrate</b>	01/17/2005	<0.1	mg/l	No

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
Nitrite	2/9/2005	<0.1	mg/l	No
Nitrate	2/9/2005	0.2	mg/l	No
Sodium	2/9/2005	96	mg/l	No

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
Sodium	2/23/2005	102	mg/l	No

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
Nitrite	3/7/2005	<0.1	mg/l	No
Nitrate	3/7/2005	0.5	mg/l	No
Sodium	3/7/2005	93.4	mg/l	No

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
Sodium	3/22/2005	96.5	mg/l	No

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
Nitrite	4/7/2005	<0.1	mg/l	No
Nitrate	4/7/2005	<0.1	mg/l	No
Sodium	4/7/2005	101	mg/l	No

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
Sodium	4/25/2005	97	mg/l	No

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
Sodium	5/11/2005	93.8	mg/l	No

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
Nitrite	5/16/2005	<0.05	mg/l	No
Nitrate	5/16/2005	<0.05	mg/l	No
Sodium	5/16/2005	89.8	mg/l	No

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
Nitrite	6/9/2005	<0.05	mg/l	No
Nitrate	6/9/2005	0.33	mg/l	No
Sodium	6/9/2005	96.9	mg/l	No

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
Sodium	6/23/2005	97.7	mg/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Lead (Ditribution)	7/12/2005	0.002	mg/l	No
Sodium	7/12/2005	98.6	mg/l	No
Fluoride	7/12/2005	0.4	mg/l	No
Nitrite	7/12/2005	<0.1	mg/l	No
Nitrate	7/12/2005	0.1	mg/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Sodium	7/29/2005	93.1	mg/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Nitrite	8/17/2005	<0.05	mg/l	No
Nitrate	8/17/2005	<0.05	mg/l	No
Sodium	8/17/2005	103	mg/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Sodium	8/24/2005	102	mg/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Sodium	9/12/2005	90.5	mg/l	No
Nitrite	9/12/2005	<0.05	mg/l	No
Nitrate	9/12/2005	<0.05	mg/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Sodium	9/22/2005	97.4	mg/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Nitrite	10/12/2005	<0.1	mg/l	No
Nitrate	10/12/2005	<0.1	mg/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Sodium	10/17/2005	106	mg/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Sodium	11/8/2005	102	mg/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Sodium	11/15/2005	104	mg/l	No
Nitrite	11/15/2005	<0.1	mg/l	No
Nitrate	11/15/2005	<0.1	mg/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Sodium	12/6/2005	97.3	mg/l	No
Nitrite	12/6/2005	<0.1	mg/l	No
Nitrate	12/6/2005	<0.1	mg/l	No

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Aalachlor	01/17/2005	<0.3	ug/l	No
Aldicarb	01/17/2005	<3	ug/l	No
Aldrin + Dieldrin	01/17/2005	<0.02	ug/l	No
Atrazine + N-dealkylated metabolites	01/17/2005	<0.5	ug/l	No
Azinphos-methyl	01/17/2005	<0.21	ug/l	No
Bendiocarb	01/17/2005	<3	ug/l	No
Benzene	01/17/2005	<0.5	ug/l	No
Benzo(a)pyrene	01/17/2005	<0.005	ug/l	No
Bromoxynil	01/17/2005	<0.094	ug/l	No
Carbaryl	01/17/2005	<3	ug/l	No
Carbofuran	01/17/2005	<1	ug/l	No
Carbon Tetrachloride	01/17/2005	<0.2	ug/l	No
Chlordane (Total)	01/17/2005	<0.04	ug/l	No
Chlorpyrifos	01/17/2005	<0.5	ug/l	No
Cyanazine	01/17/2005	<0.5	ug/l	No
Diazinon	01/17/2005	<1	ug/l	No
Dicamba	01/17/2005	<5	ug/l	No
1,2-Dichlorobenzene	01/17/2005	<0.1	ug/l	No
1,4-Dichlorobenzene	01/17/2005	<0.2	ug/l	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	01/17/2005	<0.14	ug/l	No
1,2-Dichloroethane	01/17/2005	<0.1	ug/l	No
1,1-Dichloroethylene (vinylidene chloride)	01/17/2005	<0.1	ug/l	No
Dichloromethane	01/17/2005	<0.3	ug/l	No
2-4 Dichlorophenol	01/17/2005	<0.1	ug/l	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	01/17/2005	<5	ug/l	No
Diclofop-methyl	01/17/2005	<0.4	ug/l	No
Dimethoate	01/17/2005	<1	ug/l	No
Dinoseb	01/17/2005	<0.5	ug/l	No
Diquat	01/17/2005	<5	ug/l	No
Diuron	01/17/2005	<5	ug/l	No
Glyphosate	01/17/2005	<25	ug/l	No
Heptachlor + Heptachlor Epoxide	01/17/2005	<0.1	ug/l	No
Lindane (Total)	01/17/2005	<0.1	ug/l	No
Malathion	01/17/2005	<5	ug/l	No
Methoxychlor	01/17/2005	<0.1	ug/l	No
Metolachlor	01/17/2005	<3	ug/l	No
Metribuzin	01/17/2005	<3	ug/l	No
Monochlorobenzene	01/17/2005	<0.2	ug/l	No
Paraquat	01/17/2005	<1	ug/l	No
Parathion	01/17/2005	<3	ug/l	No
Pentachlorophenol	01/17/2005	<0.1	ug/l	No
Phorate	01/17/2005	<0.3	ug/l	No
Picloram	01/17/2005	<5	ug/l	No
Polychlorinated Biphenyls(PCB)	01/17/2005	<0.05	ug/l	No
Prometryne	01/17/2005	<0.1	ug/l	No
Simazine	01/17/2005	<0.5	ug/l	No

## Drinking-Water Systems Regulation O. Reg. 170/03

<b>THM (Distribution)</b> (NOTE: show latest annual average)	01/17/2005	6.7	ug/l	No
<b>Temephos</b>	01/17/2005	<10	ug/l	No
<b>Terbufos</b>	01/17/2005	<0.3	ug/l	No
<b>Tetrachloroethylene</b>	01/17/2005	<0.2	ug/l	No
<b>Triallate</b>	01/17/2005	<10	ug/l	No
<b>Trichloroethylene</b>	01/17/2005	<0.1	ug/l	No
<b>2,4,6-Trichlorophenol</b>	01/17/2005	<0.1	ug/l	No
<b>2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)</b>	01/17/2005	<10	ug/l	No
<b>Trifluralin</b>	01/17/2005	<0.5	ug/l	No
<b>Vinyl Chloride</b>	01/17/2005	<0.2	ug/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
<b>THM (Distribution Water)</b> (NOTE: show latest annual average)	4/7/2005	6.6	ug/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
<b>THM (Distribution Water)</b> (NOTE: show latest annual average)	7/12/2005	6.8	ug/l	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
<b>THM (Distribution Water)</b> (NOTE: show latest annual average)	10/12/2005	5.9	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

**(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)**