

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

<b>Drinking-Water System Number:</b>	220003421
<b>Drinking-Water System Name:</b>	Windsor Utilities Commission
<b>Drinking-Water System Owner:</b>	City of Windsor
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	Calendar Year 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 [X] No [ ]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No [ ]</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; padding: 5px;">                 City of Windsor – City Hall                  350 City Hall Square                  Windsor ON N9A 6S1             </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
Town of LaSalle, Ontario	220004402

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**

Surface water source (Detroit River)

Conventional treatment program including: Screening, Primary Disinfection including taste and odour control (Ozone), Coagulation, Flocculation, Sedimentation, Filtration, pH adjustment, Chlorination and Fluoridation.

Sedimentation sludge and backwash water treatment through coagulation, flocculation and sedimentation followed by sludge dewatering and disposal.

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

Ozone, Aluminum Sulphate (Alum), Carbon Dioxide (CO<sub>2</sub>), Chlorine, Fluoride, Cationic Polymer LT-22

**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**

N/a

**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
12/20/05	Total coliform background – AWQI no. 61666	>200	/100ml	Flush and Resample	02/03/06
12/19/05	None – service line break – AWQI no. 61656			Flush and Resample	12/23/05

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Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
12/13/05	None – service line break – AWQI No. 61564			Flush and Resample	12/19/05
12/13/05	None – service line break – AWQI no. 61559			Flush and resample	12/16/05
12/08/05	None – service line break – AWQI no. 61484			Flush & resample	12/12/05
12/02/05	Bromate – AWQI no. 61389	14.1	Ppb	Flush & resample	12/05/05
12/02/05	Free Chlorine – AWQI no. 61391	0.02	Mg/L	Flush & resample	12/02/05
12/01/05	None – service line break – AWQI no. 61356			Flush & resample	12/08/05
12/01/05	None – service main break – AWQI no. 61371			Flush & resample	12/05/05
11/29/05	None – service line break – AWQI no. 61304			Flush & resample	12/02/05
11/24/05	None – service main break – AWQI no. 61236			Flush & resample	11/28/05
11/21/05	None – service line break – AWQI no. 61169			Flush & resample	11/25/05
11/21/05	HPC – AWQI no. 61163	>500	/1 mL	Flush & resample	11/25/05
11/18/05	Free Chlorine – AWQI no. 61122	0.01	Mg/L	Flush & resample	11/18/05
11/10/05	None – service main break – AWQI no. 60949			Flush & resample	11/16/05
11/01/05	None – service line break – AWQI no. 60671			Flush & resample	11/07/05
10/27/05	None – service line break – AWQI no. 60559			Flush & resample	10/31/05
10/24/05	None – service line break – AWQI no. 60427			Flush & resample	10/31/05
10/24/05	None – service line break – AWQI no. 60424			Flush & resample	10/27/05
10/21/05	None – service line break – AWQI no. 60374			Flush & resample	02/03/06
10/13/05	Total Coliform – AWQI no. 60176	1	/100 mL	Flush & resample	10/17/05
10/04/05	None - service line break – AWQI no. 59872			Flush & resample	10/14/05
09/20/05	Free Chlorine – AWQI no. 59342	.02	Mg/L	Flush & resample	09/20/05
09/15/05	None – service line break – AWQI no. 59221			Flush & resample	09/20/05
09/13/05	Total Coliform – AWQI no. 59115	1	/100 mL	Flush & resample	09/19/05
09/13/05	Free Chlorine – AWQI no. 59117	0.01	Ppm	Flush & resample	09/14/05
09/07/05	None – service line break – Incident #1852-6FZKGU			Flush & resample	09/12/05
08/23/05	None – service main break – Incident # 3668 – 6FJJYF			Flush & resample	08/23/05

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08/11/05	Free Chlorine – AWQI no. 58011	0.01	Ppm	Flush & resample	08/11/05
07/25/05	Free Chlorine – AWQI no. 57372	0.01	Mg/L	Flush & resample	07/25/05
07/25/05	Free Chlorine – AWQI no. 57370	0.01	Mg/L	Flush & resample	07/25/05
07/25/05	None – service line break – Incident #2758 – 6EMHL7			Flush & resample	07/25/05
07/11/05	Free Chlorine – AWQI no. 56648	0.02	Mg/L	Flush & resample	07/11/05
07/06/05	None – service line break – AWQI no. 56446			Flush & resample	07/11/05
06/28/05	Free Chlorine – AWQI no. 56120	0.03	Mg/L	Flush & resample	06/28/05
06/27/05	Free Chlorine – AWQI no. 56102	0.00	Mg/L	Flush & resample	06/27/05
06/23/05	None – service line break – AWQI no. 55960			Flush & resample	07 08/05
06/17/05	Free Chlorine – AWQI no. 55742	0.03	Mg/L	Flush & resample	06/17/05
06/02/05	Free Chlorine – AWQI no. 55098	0.01	Mg/L	Flush & resample	06/02/05
05/31/05	Free Chlorine – AWQI no. 54999	0.04	Mg/L	Flush & resample	05/31/05
05/31/05	Free Chlorine – AWQI no. 54996	0.02	Mg/L	Flush & resample	05/31/05
05/30/05	Free Chlorine – AWQI no. 54974	0.01	Mg/L	Flush & resample	05/30/05
05/30/05	Free Chlorine – AWQI no. 54977	0.02	Mg/L	Flush & resample	05/30/05
05/26/05	Free Chlorine – AWQI no. 54869	0.01	Mg/L	Flush & resample	05/26/05
05/20/05	Free Chlorine – AWQI no.54715	0.00	Mg/L	Flush & resample	05/20/05
05/17/05	None – service line break – AWQI no. 54595			Flush & resample	05/24/05
04/13/05	Free Chlorine – AWQI no.53758	0.02	Mg/L	Flush & resample	04/13/05
04/08/05	None – service line break – AWQI no. 53657			Flush & resample	04/11/05
03/04/05	Free Chlorine – AWQI no. 52977	0.01	Ppm	Flush & resample	03/04/05
02/01/05	Free Chlorine – AWQI no. 52295	0.00	Ppm	Flush & resample	02/01/05
01/28/05	Free Chlorine – AWQI no. 52237	0.00	Ppm	Flush & resample	02/09/05
01/24/05	None – service main break – AWQI no. 52117			Flush & resample	01/26/05
01/19/05	None – service main break – AWQI no. 52003			Flush & resample	01/21/05
01/18/05	Free Chlorine – AWQI no. 51952	0.04	Ppm	Flush & resample	01/20/05
01/11/05	Free Chlorine – AWQI no. 51786	0.01	Ppm	Flush & resample	02/15/06
01/07/05	Free Chlorine – AWQI no. 51683	0.02	Ppm	Flush & resample	01/07/05
01/05/05	Free Chlorine – AWQI no. 51592	0.00	Mg/L	Flush & resample	01/07/05

**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	250	<2 – 940	<10 – 36,000		
Treated	250	0 – 0	0 – 0	245	<1 – 5
Distribution	1915	0 – 0	0 – 1	1062	<1 – 24

**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	<b>8760</b>	<b>0.02 – 0.24</b>
Chlorine	<b>8760</b>	<b>0.93 – 1.36</b>
Fluoride (If the DWS provides fluoridation)	<b>8760</b>	<b>0.56 – 0.80</b>

*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
2350-66WJRV	Bromates – Treated	Jan → Dec	<1→ 14.1	Ppb
2350-6GWJRV	Bromates – Distribution	Jan → Dec	<1→ 11.2	Ppb
2350-6GWJRV	Susp. Solids – Res	Jan → Dec	20.75 <13.5→ 32.9)	Ppm

**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	Dec. 2005	<1	Ug/L	
Arsenic	Dec. 2005	<1	Ug/L	
Barium	Dec. 2005	20	Ug/L	
Boron	Dec. 2005	<50	Ug/L	
Cadmium	Dec. 2005	<0.1	Ug/L	
Chromium	Dec. 2005	<1	Ug/L	
Lead	Dec. 2005	<1	Ug/L	
Mercury	Dec. 2005	<0.1	Ug/L	
Selenium	Dec. 2005	<5	Ug/L	
Sodium	N/a	N/a	Ug/L	

Uranium	Dec. 2005	<5	Ug/L	
Fluoride	Dec. 2005 average	.64	Ug/L	
Nitrite	Dec. 2005	<0.01	Ug/L	
Nitrate	Dec. 2005	0.37	Ug/L	

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	Dec. 2005	<0.10	Ug/L	
Aldicarb	Dec. 2005	<9	Ug/L	
Aldrin + Dieldrin	Dec. 2005	<0.4	Ug/L	
Atrazine + N-dealkylated metabolites	Dec. 2005	<0.1	Ug/L	
Azinphos-methyl	Dec. 2005	<0.10	Ug/L	
Bendiocarb	Dec. 2005	<0.20	Ug/L	
Benzene	Dec. 2005	<0.5	Ug/L	
Benzo(a)pyrene	Dec. 2005	<0.01	Ug/L	
Bromoxynil	Dec. 2005	<0.20	Ug/L	
Carbaryl	Dec. 2005	<0.20	Ug/L	
Carbofuran	Dec. 2005	<0.20	Ug/L	
Carbon Tetrachloride	Dec. 2005	<0.2	Ug/L	
Chlordane (Total)	Dec. 2005	<0.3	Ug/L	
Chlorpyrifos	Dec. 2005	<0.10	Ug/L	
Cyanazine	Dec. 2005	<0.10	Ug/L	
Diazinon	Dec. 2005	<0.10	Ug/L	
Dicamba	Dec. 2005	<0.20	Ug/L	
1,2-Dichlorobenzene	Dec. 2005	<0.5	Ug/L	
1,4-Dichlorobenzene	Dec. 2005	<0.5	Ug/L	
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Dec. 2005	<0.4	Ug/L	
1,2-Dichloroethane	Dec. 2005	<0.5	Ug/L	
1,1-Dichloroethylene (vinylidene chloride)	Dec. 2005	<0.5	Ug/L	
Dichloromethane	Dec. 2005	<0.5	Ug/L	
2-4 Dichlorophenol	Dec. 2005	<0.50	Ug/L	
2,4-Dichlorophenoxy acetic acid (2,4-D)	Dec. 2005	<0.20	Ug/L	
Diclofop-methyl	Dec. 2005	<0.20	Ug/L	
Dimethoate	Dec. 2005	<0.10	Ug/L	
Dinoseb	Dec. 2005	<0.20	Ug/L	
Diquat	Dec. 2005	<7	Ug/L	
Diuron	Dec. 2005	<10	Ug/L	
Glyphosate	Dec. 2005	<10	Ug/L	
Heptachlor + Heptachlor Epoxide	Dec. 2005	<0.2	Ug/L	
Lindane (Total)	Dec. 2005	<0.10	Ug/L	

Malathion	Dec. 2005	<0.10	Ug/L	
Methoxychlor	Dec. 2005	<0.10	Ug/L	
Metolachlor	Dec. 2005	<0.10	Ug/L	
Metribuzin	Dec. 2005	<0.10	Ug/L	
Monochlorobenzene	Dec. 2005	<0.5	Ug/L	
Paraquat	Dec. 2005	<1	Ug/L	
Parathion	Dec. 2005	<0.10	Ug/L	
Pentachlorophenol	Dec. 2005	<0.50	Ug/L	
Phorate	Dec. 2005	<0.10	Ug/L	
Picloram	Dec. 2005	<0.20	Ug/L	
Polychlorinated Biphenyls(PCB)	Dec. 2005	<0.06	Ug/L	
Prometryne	Dec. 2005	<0.10	Ug/L	
Simazine	Dec. 2005	<0.10	Ug/L	
THM (NOTE: show latest annual average)	2005	9.8	Ug/L	
Temephos	Dec. 2005	<0.10	Ug/L	
Terbufos	Dec. 2005	<0.20	Ug/L	
Tetrachloroethylene	Dec. 2005	<0.5	Ug/L	
2,3,4,6-Tetrachlorophenol	Dec. 2005	<0.50	Ug/L	
Triallate	Dec. 2005	<0.10	Ug/L	
Trichloroethylene	Dec. 2005	<0.5	Ug/L	
2,4,6-Trichlorophenol	Dec. 2005	<0.50	Ug/L	
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Dec. 2005	<0.20	Ug/L	
Trifluralin	Dec. 2005	<0.10	Ug/L	
Vinyl Chloride	Dec. 2005	<0.5	Ug/L	

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
Bromate (Treated)	6.3	Ppb	Mar 31 2005
Bromate (Distribution)	8.7	Ppb	Mar 31 2005
Bromate (Distribution)	6.1	Ppb	Mar 31 2005
Bromate (Distribution)	8.6	Ppb	Mar 31 2005
Bromate (Treated)	6.4	Ppb	Oct 25 2005
Bromate (Treated)	14.1	Ppb	Nov 25 2005
Bromate (Distribution)	8.8	Ppb	Nov 25 2005
Bromate (Distribution)	11.2	Ppb	Nov 25 2005
Bromate (Distribution)	7.3	Ppb	Nov 25 2005
Bromate (Distribution)	5.9	Ppb	Dec 2 2005
Bromate (Treated)	7.0	Ppb	Dec 6 2005
Bromate (Distribution)	5.9	Ppb	Dec 6 2005

(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.)