

Part III Form 2  
Section 11. ANNUAL REPORT.

<b>Drinking-Water System Number:</b>	210000149
<b>Drinking-Water System Name:</b>	Amherstburg Water Treatment Plant
<b>Drinking-Water System Owner:</b>	Corporation of the Town of Amherstburg
<b>Drinking-Water System Category:</b>	Large municipal residential system
<b>Period being reported:</b>	January 1, 2007 to December 31, 2007

<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 [<input checked="" type="checkbox"/>] No [ <input type="checkbox"/> ]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [<input checked="" type="checkbox"/>] No [ <input type="checkbox"/> ]</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <table border="1" style="width: 100%;"> <tr> <td>Amherstburg Water Treatment Plant Town of Amherstburg</td> </tr> </table>	Amherstburg Water Treatment Plant Town of Amherstburg	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served: <input type="text"/></p> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ <input type="checkbox"/> ] No [ <input type="checkbox"/> ]</p> <p>Number of Interested Authorities you report to: <input 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 [ <input type="checkbox"/> ] No [ <input type="checkbox"/> ]</p>
Amherstburg Water Treatment Plant Town of Amherstburg		

**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**

A surface water treatment plant, with a rated capacity of 18,184 cubic meters per day, consisting of:

1. An intake crib 155 meters into the Detroit River and connected through a 900mm pipe to the Low Lift Pumping Station.
2. A low lift pumping station equipped with wet well, three vertical turbine pumps, a coarse bar screen, an automatic traveling screen and two 50mm chlorine solution feed lines and a chlorine diffuser.
3. A solids-contact upflow clarifier with overflow chamber, chemical feed line, sludge blow off line, sludge scraper and recirculation system.
4. Four rapid sand filters with dual media of anthracite and silica sand including a backwash system.
5. A filter effluent clearwell with transfer conduit to the reservoir.
6. A 14900m<sup>3</sup> underground storage reservoir.
7. A high lift pumping station equipped with three vertical turbine pumps, a fluoride feed line/diffuser, a chlorine solution feed line/diffuser and a filter backwash pump.

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

1. Aluminum Sulphate
2. Powdered Activated carbon
3. Chlorine gas
4. Hydrofluosilicic acid
5. Polymer (Nalco 8103)
6. Polymer (Nalco 8184)
7. Polymer (Nalco 8181)

**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: 1) Lighting - \$819.00

<p><b>Repaired:</b> 1) Generator &amp; supply of portable generator - \$24,187.00                  2) Lightning mixer - \$856.00                  3) Sandblast walls/ceiling/floors in Low Lift/Compressor room - \$14,167.00                  4) #1 High Lift pump control - \$1,190.00                  5) Communications &amp; alarms at water tower - \$1,279.00                  6) Air Compressors - \$2,688.00                  7) Diffuser – \$2,340.00                  8) Heating units/roof top units - \$5,114.02</p> <p><b>Replaced:</b> 1) Gearbox on clarifier with spare - \$8,754.00                  2) Lighting fixtures in control room - \$5,139.00                  3) Compressor components - \$1,501.00</p>
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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
07/03/07	Weekly Microbiological Testing	Missing	CFU/100ml & CFU/ml	Extra Distribution samples were taken in March to comply with Reg. 170 schedule 10-2(1).	07/03
07/05/17	Total Coliform	1	Count/100ml	Flushed mains, re-sampled at site, up stream, down stream for two consecutive days, no more adverse results reported.	07/05/22

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 #)	Number of Background Samples	Range of Background Results (min #)-(max #)
Raw	47	4 – 48,000	34–72,000	0	0 - 0	50	620-200,000
Treated	51	0	0	49	0 - 2	49	0 - 190
Distribution	416	0-0	0 - 1	234	0 - 4	416	0-1360

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	0.01 – 0.75 NTU
Chlorine	8760	0.85 – 1.59 mg/L

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

Fluoride (If the DWS provides fluoridation)	8760	0.18 – 0.99 mg/L
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*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
<b>Cof A #8120-53VMF5 Dated on 02/01/07</b>	<b>Nitritotriacetic Acid</b>	07/07/03	<0.03	mg/L
	<b>Backwash/wastewater</b>			
	<b>Suspended Solid</b>	07/12/03	1890	mg/L
	<b>Free Chlorine</b>	07/12/03	0.05	mg/L
	<b>Suspended Solid</b>	07/11/13	1460	mg/L
	<b>Free Chlorine</b>	07/11/13	0.08	mg/L
	<b>Suspended Solid</b>	07/10/09	186	mg/L
	<b>Free Chlorine</b>	07/10/09	0.13	mg/L
	<b>Suspended Solid</b>	07/09/10	1510	mg/L
	<b>Free Chlorine</b>	07/09/10	0.08	mg/L
	<b>Suspended Solid</b>	07/08/14	1020	mg/L
	<b>Free Chlorine</b>	07/08/14	0.04	mg/L
	<b>Suspended Solid</b>	07/07/03	185	mg/L
	<b>Free Chlorine</b>	07/07/03	0.17	mg/L
	<b>Suspended Solid</b>	07/06/04	192	mg/L
	<b>Free Chlorine</b>	07/06/04	0.45	mg/L
<b>Suspended Solid</b>	07/05/01	1800	mg/L	
<b>Free Chlorine</b>	07/05/01	0.08	mg/L	
<b>Suspended Solid</b>	07/04/10	148	mg/L	
<b>Free Chlorine</b>	07/04/10	0.23	mg/L	
<b>Suspended Solid</b>	07/03/20	66	mg/L	
<b>Free Chlorine</b>	07/03/20	0.09	mg/L	
<b>Suspended Solid</b>	07/02/12	893	mg/L	
<b>Free Chlorine</b>	07/02/12	0.28	mg/L	
<b>Suspended Solid</b>	07/01/15	2430	mg/L	
<b>Free Chlorine</b>	07/01/15	0.96	mg/L	

**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	07/07/03	<0.2	µg/L	No
Arsenic	07/07/03	0.6	µg/L	No
Barium	07/07/03	15.2	µg/L	No
Boron	07/07/03	20	µg/L	No

<b>Cadmium</b>	07/07/03	<0.06	µg/L	No
<b>Chromium</b>	07/07/03	0.8	µg/L	No
<b>Lead</b>	07/07/03	0.71(dist.sys.)	µg/L	No
<b>Mercury</b>	07/07/03	<0.02	µg/L	No
<b>Selenium</b>	07/07/03	<1	µg/L	No
<b>Sodium</b>	07/07/03	5.17	µg/L	No
<b>Uranium</b>	07/07/03	0.03	µg/L	No
<b>Fluoride</b>	07/07/03	0.29	mg/L	No
<b>Nitrite</b>	07/10/22 07/07/03 07/04/03 07/01/02	<0.005 <0.005 <0.005 <0.005	mg/L	No
<b>Nitrate</b>	07/10/22 07/07/03 07/04/03 07/01/02	0.199 0.323 0.992 1.2	mg/L	No

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

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
<b>Alachlor</b>	07/07/03	<0.11	µg/L	No
<b>Aldicarb</b>	07/07/03	<0.30	µg/L	No
<b>Aldrin + Dieldrin</b>	07/07/03	<0.067	µg/L	No
<b>Atrazine + N-dealkylated metabolites</b>	07/07/03	<0.12	µg/L	No
<b>Azinphos-methyl</b>	07/07/03	<0.21	µg/L	No
<b>Bendiocarb</b>	07/07/03	<0.13	µg/L	No
<b>Benzene</b>	07/07/03	<0.37	µg/L	No
<b>Benzo(a)pyrene</b>	07/07/03	<0.004	µg/L	No
<b>Bromoxynil</b>	07/07/03	<0.33	µg/L	No
<b>Carbaryl</b>	07/07/03	<0.16	µg/L	No
<b>Carbofuran</b>	07/07/03	<0.37	µg/L	No
<b>Carbon Tetrachloride</b>	07/07/03	<0.41	µg/L	No
<b>Chlordane (Total)</b>	07/07/03	<0.11	µg/L	No
<b>Chlorpyrifos</b>	07/07/03	<0.18	µg/L	No
<b>Cyanazine</b>	07/07/03	<0.18	µg/L	No
<b>Diazinon</b>	07/07/03	<0.081	µg/L	No
<b>Dicamba</b>	07/07/03	<0.20	µg/L	No
<b>1,2-Dichlorobenzene</b>	07/07/03	<0.5	µg/L	No
<b>1,4-Dichlorobenzene</b>	07/07/03	<0.21	µg/L	No
<b>Dichlorodiphenyltrichloroethane (DDT) + metabolites</b>	07/07/03	<0.14	µg/L	No

1,2-Dichloroethane	07/07/03	<0.43	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	07/07/03	<0.41	µg/L	No
Dichloromethane	07/07/03	<0.34	µg/L	No
2-4 Dichlorophenol	07/07/03	<0.15	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	07/07/03	<0.19	µg/L	No
Diclofop-methyl	07/07/03	<0.40	µg/L	No
Dimethoate	07/07/03	<0.12	µg/L	No
Dinoseb	07/07/03	<0.36	µg/L	No
Diquat	07/07/03	<1	µg/L	No
Diuron	07/07/03	<0.087	µg/L	No
Glyphosate	07/07/03	<6	µg/L	No
Heptachlor + Heptachlor Epoxide	07/07/03	<0.11	µg/L	No
Linadane (Total)	07/07/03	<0.056	µg/L	No
Malathion	07/07/03	<0.091	µg/L	No
Methoxychlor	07/07/03	<0.14	µg/L	No
Metolachlor	07/07/03	<0.092	µg/L	No
Metribuzin	07/07/03	<0.12	µg/L	No
Monochlorobenzene	07/07/03	<0.58	µg/L	No
Paraquat	07/07/03	<1	µg/L	No
Parathion	07/07/03	<0.18	µg/L	No
Pentachlorophenol	07/07/03	<0.15	µg/L	No
Phorate	07/07/03	<0.11	µg/L	No
Picloram	07/07/03	<0.25	µg/L	No
Polychlorinated Biphenyls(PCB)	07/07/03	<0.04	µg/L	No
Prometryne	07/07/03	<0.23	µg/L	No
Simazine	07/07/03	<0.15	µg/L	No
THM (NOTE: show latest annual average)	2007	26 (dist.sys.)	µg/L	No
Temephos	07/07/03	<0.31	µg/L	No
Terbufos	07/07/03	<0.12	µg/L	No
Tetrachloroethylene	07/07/03	<0.45	µg/L	No
2,3,4,6-Tetrachlorophenol	07/07/03	<0.14	µg/L	No
Triallate	07/07/03	<0.10	µg/L	No
Trichloroethylene	07/07/03	<0.38	µg/L	No
2,4,6-Trichlorophenol	07/07/03	<0.25	µg/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	07/07/03	<0.22	µg/L	No
Trifluralin	07/07/03	<0.12	µg/L	No
Vinyl Chloride	07/07/03	<0.17	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.

<b>Parameter</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Date of Sample</b>
<b>None to report</b>			

**(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)**

**ANNUAL REPORT - Microbiological, Inorganic & Organic**

Waterworks: 5819 - [210000149] Amherstburg Water Treatment Plant & Distribution System  
 Period being reported: 01/01/2007 to 12/31/2007

Microbiological testing done under Schedule 10, 11 or 12 of Regulation 170/03 during this reporting Period							
Location	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 #)	Number of Background Samples	Range of Background Results (min #) - (max #)
Raw - RW	47	4 - 48,000	34 - 72,000		0-0	50	620 - 200,000
Treated - TW	51	0 - 0	0 - 0	49	0 - 2	49	0 - 190
Distribution - DW	416	0 - 0	0 - 1	234	0 - 4		0 - 1360

Summary of Inorganic parameters tested during this reporting period or most recent				
Parameter	Sample Date	Result Value	Exceedance	
Antimony: Sb (ug/L) - TW	2007/07/03	< 0.20	No	
Arsenic: As (ug/L) - TW	2007/07/03	0.60	No	
Barium: Ba (ug/L) - TW	2007/07/03	15.20	No	
Boron: B (ug/L) - TW	2007/07/03	20.00	No	
Cadmium: Cd (ug/L) - TW	2007/07/03	< 0.060	No	
Chromium: Cr (ug/L) - TW	2007/07/03	0.80	No	
Lead: Pb (ug/L)	2007/07/03	0.71	No	
Mercury: Hg (ug/L) - TW	2007/07/03	< 0.02	No	
Selenium: Se (ug/L) - TW	2007/07/03	< 1.00	No	
Sodium: Na (mg/L)				
Uranium: U (ug/L) - TW	2007/07/03	< 0.030	No	
Fluoride (mg/L) - TW	2007/07/03	0.29	No	
Nitrite (mg/L) - TW	2007/01/02	< 0.0050	No	
Nitrite (mg/L) - TW	2007/04/03	< 0.0050	No	
Nitrite (mg/L) - TW	2007/07/03	< 0.0050	No	
Nitrite (mg/L) - TW	2007/10/22	< 0.0050	No	
Nitrate (mg/L) - TW	2007/01/02	1.20	No	
Nitrate (mg/L) - TW	2007/04/03	0.992	No	
Nitrate (mg/L) - TW	2007/07/03	0.323	No	
Nitrate (mg/L) - TW	2007/10/22	0.199	No	



**ANNUAL REPORT - Microbiological, Inorganic & Organic**

Waterworks: 5819 - [210000149] Amherstburg Water Treatment Plant & Distribution System  
 Period being reported: 01/01/2007 to 12/31/2007

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

Parameter	Sample Date	Result Value	Exceedance
Alachlor (ug/L) - TW	2007/07/03	< 0.11	No
Aldicarb (ug/L) - TW	2007/07/03	< 0.30	No
Aldrin + Dieldrin (ug/L) - TW	2007/07/03	< 0.067	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2007/07/03	< 0.12	No
Azinphos-methyl (ug/L) - TW	2007/07/03	< 0.21	No
Bendiocarb (ug/L) - TW	2007/07/03	< 0.13	No
Benzene (ug/L) - TW	2007/07/03	< 0.37	No
Benzo(a)pyrene (ug/L) - TW	2007/07/03	< 0.0040	No
Bromoxynil (ug/L) - TW	2007/07/03	< 0.33	No
Carbaryl (ug/L) - TW	2007/07/03	< 0.16	No
Carbofuran (ug/L) - TW	2007/07/03	< 0.37	No
Carbon Tetrachloride (ug/L) - TW	2007/07/03	< 0.41	No
Chlordane:Total (ug/L) - TW	2007/07/03	< 0.11	No
Chlorpyrifos (ug/L) - TW	2007/07/03	< 0.18	No
Cyanazine (ug/L) - TW	2007/07/03	< 0.18	No
Diazinon (ug/L) - TW	2007/07/03	< 0.081	No
Dicamba (ug/L) - TW	2007/07/03	< 0.20	No
1,2-Dichlorobenzene (ug/L) - TW	2007/07/03	< 0.50	No
1,4-Dichlorobenzene (ug/L) - TW	2007/07/03	< 0.21	No
Dichlorodiphenyltrichloroethane(DDT) + metabolites (ug/L) - TW	2007/07/03	< 0.14	No
1,2-Dichloroethane (ug/L) - TW	2007/07/03	< 0.43	No
1,1-Dichloroethylene (ug/L) - TW	2007/07/03	< 0.41	No
Dichloromethane (ug/L) - TW	2007/07/03	< 0.34	No
2,4-Dichlorophenol (ug/L) - TW	2007/07/03	< 0.15	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2007/07/03	< 0.19	No
Diclofop-methyl (ug/L) - TW	2007/07/03	< 0.40	No
Dimethoate (ug/L) - TW	2007/07/03	< 0.12	No
Dinoseb (ug/L) - TW	2007/07/03	< 0.36	No
Diquat (ug/L) - TW	2007/07/03	< 1.00	No
Diuron (ug/L) - TW	2007/07/03	< 0.087	No
Glyphosate (ug/L) - TW	2007/07/03	< 6.00	No
Heptachlor+Hepachlor Epoxide (ug/L) - TW	2007/07/03	< 0.11	No
Lindane: (ug/L) - TW	2007/07/03	< 0.056	No
Malathion (ug/L) - TW	2007/07/03	< 0.091	No
Methoxychlor (ug/L) - TW	2007/07/03	< 0.14	No
Metolachlor (ug/L) - TW	2007/07/03	< 0.092	No
Metribuzin (ug/L) - TW	2007/07/03	< 0.12	No
Monochlorobenzene (ug/L) - TW	2007/07/03	< 0.58	No
Paraquat (ug/L) - TW	2007/07/03	< 1.00	No
Parathion (ug/L) - TW	2007/07/03	< 0.18	No
Pentachlorophenol (ug/L) - TW	2007/07/03	< 0.15	No
Phorate (ug/L) - TW	2007/07/03	< 0.11	No
Picloram (ug/L) - TW	2007/07/03	< 0.25	No
Polychlorinated Bichenyls(PCB) (ug/L) - TW	2007/07/03	< 0.040	No

**ANNUAL REPORT - Microbiological, Inorganic & Organic**

Waterworks: 5819 - [210000149] Amherstburg Water Treatment Plant & Distribution System

Period being reported: 01/01/2007 to 12/31/2007

Prometryne (ug/L) - TW	2007/07/03	< 0.23	No
Simazine (ug/L) - TW	2007/07/03	< 0.15	No
THM (ug/L)	2007	26.00	No
Temephos (ug/L) - TW	2007/07/03	< 0.31	No
Terbufos (ug/L) - TW	2007/07/03	< 0.12	No
Tetrachloroethylene (ug/L) - TW	2007/07/03	< 0.45	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2007/07/03	< 0.14	No
Triallate (ug/L) - TW	2007/07/03	< 0.10	No
Trichloroethylene (ug/L) - TW	2007/07/03	< 0.38	No
2,4,6-Trichlorophenol (ug/L) - TW	2007/07/03	< 0.25	No
2,4,5-Trichlorophenoxy acetic acid (ug/L) - TW	2007/07/03	< 0.22	No
Trifluralin (ug/L) - TW	2007/07/03	< 0.12	No
Vinyl Chloride (ug/L) - TW	2007/07/03	< 0.17	No



## Ontario Clean Water Agency Monthly Process Data Report

Printed on: 2/17/2008  
d\_monthlyprocessrep

Municipality: Town of Amherstburg formerly ( Twp of Malden, Twp of Anderdon, Town of Amherstburg)  
 Facility: [5819] - Amherstburg Water Treatment Plant & Distribution System  
 Works: [210000149] - Amherstburg Water Treatment Plant & Distribution System  
 Classification: Class 2 Water Distribution, Class 3 Water Treatment  
 Water Source: Detroit River

Period: 01/01/2007 to 12/31/2007  
 Served Population: 20,599  
 Total Design Capacity(m<sup>3</sup>/day): 18,184.0

	Jan/2007	Feb/2007	Mar/2007	Apr/2007	May/2007	Jun/2007	Jul/2007	Aug/2007	Sep/2007	Oct/2007	Nov/2007	Dec/2007	← Summary →
<b>Raw Water/Flows - Raw Water</b>													
<b>Raw Flow: Sum (m3/d)</b>													
Avg	9,781,387	9,973,036	9,908,742	9,577,4	10,790,419	14,120,667	14,487,087	12,001,71	11,451,6	10,042,903	9,755,0	9,793,871	10,988,178
Cnt	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	365.0
Max	11,133.0	12,683.0	13,668.0	10,624.0	15,740.0	18,973.0	19,500.0	17,960.0	13,235.0	10,795.0	10,765.0	10,480.0	19,500.0
Min	8,864.0	8,887.0	6,970.0	7,468.0	8,670.0	9,349.0	11,520.0	9,480.0	9,650.0	8,600.0	8,630.0	8,065.0	6,970.0
<b>Coagulation-Flocculation/Chemical addition</b>													
<b>Dosage (mg/L)</b>													
Avg	42.145	34.454	27.626	30.733	26.994	24.74	25.035	28.694	25.217	26.484	28.29	39.229	29.963
Cnt	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	365.0
Max	94.4	45.1	39.4	39.0	35.9	32.3	29.0	37.7	31.8	32.8	39.5	47.2	94.4
Min	29.1	25.5	23.2	24.8	22.6	18.2	16.8	24.7	19.4	17.2	21.5	28.6	16.8
<b>Polymer Dosage (mg/L)</b>													
Avg	0.498	0.501	0.395	0.429	0.382	0.306	0.312	0.37	0.377	0.374	0.413	0.514	0.406
Cnt	31.0	28.0	31.0	30.0	31.0	29.0	31.0	31.0	30.0	31.0	30.0	31.0	364.0
Max	0.66	0.59	0.6	0.68	0.54	0.42	0.4	0.47	0.44	0.46	0.51	0.79	0.79
Min	0.24	0.35	0.26	0.2	0.26	0.24	0.22	0.24	0.31	0.31	0.32	0.37	0.2
<b>Filtration/Chemical addition</b>													
<b>Powdered Act. Carbon (mg/L)</b>													
Avg	1.058	1.011	1.129	1.073	0.919	0.803	0.825	1.01	1.05	1.2	1.247	1.226	1.046
Cnt	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	365.0
Max	1.6	1.1	4.2	1.6	1.2	1.2	1.2	1.3	1.2	1.4	1.4	1.5	4.2
Min	0.9	0.8	0.7	0.9	0.09	0.5	0.07	0.7	0.6	1.1	1.1	1.1	0.07
<b>Coagulation-Flocculation/Chemical addition - Chemical Addition/Feeding</b>													
<b>Polymer Dosage (mg/L)</b>													
Avg	0.048	0.05	0.054	0.051	0.044	0.035	0.033	0.04	0.054	0.049	0.049	0.05	0.046
Cnt	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	365.0
Max	0.05	0.05	0.2	0.07	0.05	0.05	0.04	0.05	0.4	0.05	0.05	0.06	0.4
Min	0.04	0.05	0.03	0.04	0.03	0.02	0.02	0.03	0.02	0.04	0.04	0.04	0.02
<b>Fluoridation/Fluoridation</b>													
<b>Fluoride Dosage (mg/L)</b>													
Avg	0.85	0.886	0.82	0.818	0.645	0.464	0.569	0.634	0.525	0.555	0.626	0.562	0.662
Cnt	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	365.0
Max	1.03	1.3	0.9	0.93	0.96	0.83	0.72	0.96	0.85	0.72	0.8	0.71	1.3



## Ontario Clean Water Agency Monthly Process Data Report

Printed on: 2/17/2008  
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Municipality: Town of Amherstburg formerly ( Twp of Malden, Twp of Anderdon, Town of Amherstburg)  
 Facility: [5819] - Amherstburg Water Treatment Plant & Distribution System  
 Works: [210000149] - Amherstburg Water Treatment Plant & Distribution System  
 Classification: Class 2 Water Distribution, Class 3 Water Treatment  
 Water Source: Detroit River

Period: 01/01/2007 to 12/31/2007  
 Serviced Population: 20,599  
 Total Design Capacity(m<sup>3</sup>/day): 18,184.0

	Jan/2007	Feb/2007	Mar/2007	Apr/2007	May/2007	Jun/2007	Jul/2007	Aug/2007	Sep/2007	Oct/2007	Nov/2007	Dec/2007	← Summary →
<b>Fluoridation</b>													
<b>Fluoride Dosage (mg/L)</b>													
Min	0.52	0.52	0.61	0.46	0.23	0.34	0.24	0.24	0.35	0.43	0.53	0.44	0.23
<b>Pre-Disinfection</b>													
<b>Chlorine Dosage (mg/L)</b>													
Avg	2.313	2.25	2.568	2.497	2.109	2.185	2.159	2.093	2.098	2.067	2.172	2.584	2.259
Cnt	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	365.0
Max	3.04	2.65	4.02	3.56	3.47	3.48	2.79	2.46	2.57	2.48	4.54	4.69	4.69
Min	1.35	1.74	1.85	1.47	1.59	1.12	1.52	1.58	1.54	1.53	1.05	1.77	1.05
<b>Cl Residual: Free (mg/L)</b>													
Avg	1.147	1.165	1.154	1.141	1.182	1.161	1.18	1.225	1.239	1.14	1.141	1.057	1.16
Cnt	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	365.0
Max	1.65	1.59	1.57	1.42	1.52	1.41	1.52	1.53	1.59	1.46	2.38	1.31	2.39
Min	0.91	0.89	0.94	0.92	0.86	0.97	0.94	1.02	1.05	0.9	0.84	0.86	0.84
<b>Post Disinfection</b>													
<b>Chlorine Dosage (mg/L)</b>													
Avg	0	0	0	0	0	0	0	0	0	0	0	0	0
Cnt	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	365.0
Max	0	0	0	0	0	0	0	0	0	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Cl Residual: Free Mean (mg/L)</b>													
Avg	1.324	1.159	1.242	1.197	1.203	1.254	1.227	1.079	1.152	1.21	1.158	1.242	1.204
Cnt	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	30.0	364.0
Max	1.5	1.46	1.49	1.39	1.43	1.52	1.4	1.2	1.35	1.35	1.36	1.41	1.52
Min	1.11	0.93	1.06	1.0	1.02	1.09	1.07	0.93	1.0	1.1	0.95	1.03	0.93

Note: ? Calculation not verifiable. At least one result reported as < and at least one result reported >.  
 -1 Analysis result less than detectable limit

**Annual Summary - THM's including 4 Quarter Running Averages**

Printed on: 2/12/2008  
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Facility: [5619] - Amherstburg Water Treatment Plant & Distribution System  
 Works: [210000149] - Amherstburg Water Treatment Plant & Distribution System  
 Year: 2007  
 Served Population: 20,599  
 Total Design Capacity(m<sup>3</sup>/day): 18,184.0  
 Treated Flow Group Selected: TW - Treated Water  
 Distribution Group Selected: DW - Distribution System

	1st Quarter (Jan/Feb/Mar) 2007 (Avg)	2nd Quarter (Apr/May/Jun) 2007 (Avg)	3rd Quarter (Jul/Aug/Sep) 2007 (Avg)	4th Quarter (Oct/Nov/Dec) 2007 (Avg)	Four Quarters (Avg)	Exceedance (Yes/No)	MAC
TREATED WATER							
Trihalomethane: Total (ug/L)						No	
DISTRIBUTION SYSTEM							
Trihalomethane: Total (ug/L)	31.0	22.0	26.0	25.0	26.0	No	100.0

Note: ? Calculation not verifiable. Results reported as < and >.  
 -1 Analysis result less than detectable limit