

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

<b>Drinking-Water System Number:</b>	220003831
<b>Drinking-Water System Name:</b>	Alton Well Supply
<b>Drinking-Water System Owner:</b>	Regional Municipality of Peel
<b>Drinking-Water System Category:</b>	Large Municipal Residential
<b>Period being reported:</b>	January 1, 2006 to December 31, 2006

<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;">                 10 Peel Centre Drive, 4<sup>th</sup> Floor                  Brampton, Ontario                  L6T 4B9             </div>	<p><b><u>Complete for all other Categories.</u></b></p> <p>Number of Designated Facilities served:  <div style="border: 1px solid black; padding: 2px; width: 100px; text-align: center;">N/A</div> </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:  <div style="border: 1px solid black; padding: 2px; width: 100px; text-align: center;">N/A</div> </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 Drinking-Water Systems, which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
None	N/A

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 [X]

**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 population served in Alton is 1550. The groundwater drawn from four (4) municipal wells is disinfected with chlorine and delivered to consumers through the water distribution system. Surplus water is stored in a 2.7 million-litre (600 thousand-gallon) reservoir connected to the water distribution system.

Alton Wells No. 1 and 2

A communal well water supply consisting of two (2) well supplies, water treatment system and associated appurtenances.

Well No. 1 and 2 are drilled wells, located in a concrete block well house with submersible well water pumps each rated at 7.6L/s.

**Alton Wells No. 1 and 2 are currently not in service.**

Alton Wells No. 3 and 4

A communal well water supply consisting of two (2) well supplies, water treatment system and associated appurtenances.

Well No.3 and 4 are drilled well located in a concrete block well house with submersible well water pumps each rated at 11.7 L/s. Well No. 4 is used as an alternate to Well No.3 and may also be used concurrently in emergencies only.

The well house is equipped with raw water flow meters with recording capabilities, online free chlorine residual analyzer with recording and alarming capabilities, an online continuous turbidity analyzer with recording and alarming capabilities and all associated appurtenances discharging directly into the distribution system.

The disinfection system consists of chemical feed pumps and sodium hypochlorite supplied from 204L drums.

A 100kW diesel generator set complete with automatic transfer switch system, to provide standby power to the facility in the event of a power failure.

**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

Significant Installations	Approximate Expenditure
Valve Installation and Replacement	est \$666.00

Significant Repairs	Approximate Expenditure
Water Distribution System Valve Repairs	\$576.00
Water Services Repairs	\$7,678
Fire Hydrant Repairs	est \$4,500.00
Diesel Repairs	\$945.78
Water Service Box Repair/Replacement	est \$2,000.00
Electrical Repairs	\$746.75
Well Maintenance, including all repairs	\$5,498.97

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 (dd/mm/yy)	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date (dd/mm/yy)

Note: Incident Date represents the sampling date, corrective action date represents the date the incident was resolved.

## 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#)
Alton Well #1 Raw	52	0 - 0	0 - 0	52	0 - 15
Alton Well #2 Raw	52	0 - 0	0 - 0	52	0 - 8
Alton Well #3 Raw	51	0 - 0	0 - 0	51	0 - 1
Alton Well #3 Treated	51	0 - 0	0 - 0	51	0 - 15
Alton Well #4 Raw	52	0 - 0	0 - 0	52	0 - 10
Alton Well #4 Treated	52	0 - 0	0 - 0	52	0 - 18
Distribution	162	0 - 0	0 - 0	162	0 - 10

## 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	Alton Distribution System	Alton Well # 3 Range of Results (min#) - (max#)	Alton Well # 4 Range of Results (min#) - (max#)
Turbidity	8760	N/A	0.12 - 0.32	0.08 - 0.36
Chlorine	8760	0.52 - 1.53	0.86 - 1.83	1.10 - 1.88
Fluoride (If the DWS provides fluoridation)	N/A	N/A	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	Parameter	Date Sampled	Alton Well 3 Result	Alton Well 4 Result	Alton Standpipe Result	Unit of Measure
(CofA) 10/07/05	R2A	03-Jan-06	4	8	17	cfu/100ml
		10-Jan-06	0	0	8	cfu/100ml
		17-Jan-06	2	2	9	cfu/100ml
		24-Jan-06	4	0	4	cfu/100ml
		31-Jan-06	13	0	1	cfu/100ml
		07-Feb-06	0	0	2	cfu/100ml
		14-Feb-06	1	2	12	cfu/100ml
		21-Feb-06	0	0	5	cfu/100ml
		28-Feb-06	2	1	12	cfu/100ml
		07-Mar-06	0	1	8	cfu/100ml
		14-Mar-06	4	3	12	cfu/100ml

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

(CofA) 10/07/05	R2A	21-Mar-06	0	0	4	cfu/100ml
		28-Mar-06	0	0	6	cfu/100ml
		04-Apr-06	0	0	10	cfu/100ml
		11-Apr-06	1	1	12	cfu/100ml
		19-Apr-06	0	2	32	cfu/100ml
		25-Apr-06	5	6	26	cfu/100ml
		02-May-06	0	1	29	cfu/100ml
		09-May-06	2	2	24	cfu/100ml
		16-May-06	0	0	20	cfu/100ml
		24-May-06	2	0	12	cfu/100ml
		30-May-06	3	0	25	cfu/100ml
		06-Jun-06	9	3	1	cfu/100ml
		13-Jun-06	1	0	38	cfu/100ml
		20-Jun-06	400	150	28	cfu/100ml
		27-Jun-06	2	8	12	cfu/100ml
		05-Jul-06	150	300	20	cfu/100ml
		11-Jul-06	90	60	6	cfu/100ml
		18-Jul-06	80	160	35	cfu/100ml
		25-Jul-06	11	38	15	cfu/100ml
		01-Aug-06	70	140	36	cfu/100ml
		09-Aug-06	well out of service	200	20	cfu/100ml
		15-Aug-06	55	47	19	cfu/100ml
		21-Aug-06	5	20	22	cfu/100ml
		28-Aug-06	42	8	28	cfu/100ml
		05-Sep-06	18	1	19	cfu/100ml
		11-Sep-06	0	0	20	cfu/100ml
		18-Sep-06	2	0	17	cfu/100ml
		25-Sep-06	0	0	4	cfu/100ml
		02-Oct-06	1	2	23	cfu/100ml
		10-Oct-06	0	0	20	cfu/100ml
		16-Oct-06	1	0	25	cfu/100ml
		23-Oct-06	0	0	34	cfu/100ml
		30-Oct-06	0	0	20	cfu/100ml
		06-Nov-06	1	0	20	cfu/100ml
		13-Nov-06	0	0	20	cfu/100ml
		20-Nov-06	0	0	28	cfu/100ml
		27-Nov-06	1	1	10	cfu/100ml
		04-Dec-06	0	0	30	cfu/100ml
		11-Dec-06	0	0	14	cfu/100ml
		18-Dec-06	0	0	32	cfu/100ml
		26-Dec-06	0	0	8	cfu/100ml

<b>Date of legal instrument issued</b>	<b>Parameter</b>	<b>Date Sampled</b>	<b>Alton Well 3 Result</b>	<b>Alton Well 4 Result</b>	<b>Alton Standpipe Result</b>	<b>Unit of Measure</b>
(CofA) 10/07/05	AOC	2-Jan-06	63	70	111	ugAOC/L
		6-Feb-06	107	92	115	ugAOC/L
		6-Mar-06	145	131	133	ugAOC/L
		3-Apr-06	112	121	119	ugAOC/L
		1-May-06	115	104	107	ugAOC/L
		5-Jun-06	155	118	124	ugAOC/L
		6-Jul-06	117	111	173	ugAOC/L
		9-Aug-06	Well out of service	119	133	ugAOC/L
		5-Sep-06	113	136	143	ugAOC/L
		2-Oct-06	112	113	122	ugAOC/L
		6-Nov-06	159	154	184	ugAOC/L
		4-Dec-06	113	107	131	ugAOC/L

Date of legal instrument issued	Parameter	Date Sampled	Alton Well 3 Result	Alton Well 4 Result	Unit of Measure
PTTW (8/11/05)	Chloride	12-Oct-06	126	104	mg/l
	Conductivity	12-Oct-06	1010	927	uS/cm
	Nitrate (NO3)	12-Oct-06	3.28	2.76	mg/l as N
	Nitrite (NO2)	12-Oct-06	<0.017	<0.017	mg/l as N
	Phenolic compounds	12-Oct-06	<0.006	<0.006	mg/l
	BNA Pentachlorophenol	20-Apr-06	ND	ND	ug/l
	BNA 2,3,4,5-Tetrachlorophenol	12-Oct-06	ND	ND	ug/l
	BNA 2,3,4,6-Tetrachlorophenol	12-Oct-06	ND	ND	ug/l
	BNA 2,3,4-Trichlorophenol	12-Oct-06	ND	ND	ug/l
	BNA 2,3,5,6-Tetrachlorophenol	12-Oct-06	ND	ND	ug/l
	BNA 2,3,5-Trichlorophenol	12-Oct-06	ND	ND	ug/l
	BNA 2,4,5-Trichlorophenol	12-Oct-06	ND	ND	ug/l
	BNA 2,4,6-Trichlorophenol	12-Oct-06	ND	ND	ug/l
	BNA 2,4-Dichlorophenol	12-Oct-06	ND	ND	ug/l
	BNA 2,4-Dimethylphenol	12-Oct-06	ND	ND	ug/l
	BNA 2,4-Dinitrophenol	12-Oct-06	ND	ND	ug/l
	BNA 2,6-Dichlorophenol	12-Oct-06	ND	ND	ug/l
	BNA 2-Chlorophenol	12-Oct-06	ND	ND	ug/l
	BNA 4,6-Dinitro-o-cresol	12-Oct-06	ND	ND	ug/l
	BNA 4-Chloro-3-methylphenol	12-Oct-06	ND	ND	ug/l
	BNA 4-Nitrophenol	12-Oct-06	ND	ND	ug/l
	BNA m,p-Cresol	12-Oct-06	ND	ND	ug/l
	BNA o-Cresol	12-Oct-06	ND	ND	ug/l
	BNA Phenol	12-Oct-06	ND	ND	ug/l
	VOCs-1,1,1-Trichloroethane	12-Oct-06	ND	ND	ug/l
	VOCs-1,1,2,2-Tetrachloroethane	12-Oct-06	ND	ND	ug/l
	VOCs-1,1,2-Trichloroethane	12-Oct-06	ND	ND	ug/l
	VOCs-1,1-Dichloroethane	12-Oct-06	ND	ND	ug/l
	VOCs-1,1-Dichloroethene	12-Oct-06	ND	ND	ug/l
	VOCs-1,2-Dichlorobenzene	12-Oct-06	ND	ND	ug/l
	VOCs-1,2-Dichloroethane	12-Oct-06	ND	ND	ug/l
	VOCs-1,2-Dichloropropane	12-Oct-06	ND	ND	ug/l

	VOCs-1,3-Dichlorobenzene	12-Oct-06	ND	ND	ug/l
	VOCs-1,4-Dichlorobenzene	12-Oct-06	ND	ND	ug/l
	VOCs-2-Chloroethyl Vinyl Ether	12-Oct-06	ND	ND	ug/l
	VOCs-Benzene	12-Oct-06	ND	ND	ug/l
	VOCs-Bromodichloromethane	12-Oct-06	ND	ND	ug/l
	VOCs-Bromoform	12-Oct-06	ND	ND	ug/l
	VOCs-Bromomethane	12-Oct-06	ND	ND	ug/l
	VOCs-Carbon Tetrachloride	12-Oct-06	ND	ND	ug/l
	VOCs-Chlorobenzene	12-Oct-06	ND	ND	ug/l
	VOCs-Chloroethane	12-Oct-06	ND	ND	ug/l
	VOCs-Chloroform	12-Oct-06	ND	ND	ug/l
	VOCs-Chloromethane	12-Oct-06	ND	ND	ug/l
	VOCs-cis-1,3-Dichloropropene	12-Oct-06	ND	ND	ug/l
	VOCs-Dibromochloromethane	12-Oct-06	ND	ND	ug/l
	VOCs-Ethyl Benzene	12-Oct-06	ND	ND	ug/l
	VOCs-Methylene Chloride	12-Oct-06	ND	ND	ug/l
	VOCs-MTBE	12-Oct-06	ND	ND	ug/l
	VOCs-m-Xylene	12-Oct-06	ND	ND	ug/l
	VOCs-o-Xylene	12-Oct-06	ND	ND	ug/l
	VOCs-Styrene	12-Oct-06	ND	ND	ug/l
	VOCs-Tetrachloroethene	12-Oct-06	ND	ND	ug/l
	VOCs-Toluene	12-Oct-06	ND	ND	ug/l
	VOCs-trans-1,2-Dichloroethene	12-Oct-06	ND	ND	ug/l
	VOCs-trans-1,3-Dichloropropene	12-Oct-06	ND	ND	ug/l
	VOCs-Trichloroethene	12-Oct-06	ND	ND	ug/l
	VOCs-Trichlorofluoromethane	12-Oct-06	ND	ND	ug/l
	VOCs-Vinyl Chloride	12-Oct-06	ND	ND	ug/l
	Thallium, Tl	12-Oct-06	ND	ND	mg/L
	Aluminum, Al	12-Oct-06	<0.010	<0.010	mg/L
	Antimony, Sb	12-Oct-06	<0.486	<0.486	mg/L
	Arsenic, As	12-Oct-06	<0.823	<0.823	mg/L
	Barium, Ba	12-Oct-06	0.003	0.168	mg/L
	Beryllium, Be	12-Oct-06	<0.001	<0.001	mg/L
	Boron, B	12-Oct-06	0.034	0.034	mg/L
	Cadmium, Cd	20-Apr-06	ND	0.001	mg/L

	Calcium, Ca	12-Oct-06	94.3	91.9	mg/L
	Chromium, Cr	12-Oct-06	<0.002	<0.002	mg/L
	Cobalt, Co	12-Oct-06	<0.009	<0.009	mg/L
	Copper, Cu	12-Oct-06	<0.017	<0.017	mg/L
	Iron, Fe	12-Oct-06	<0.004	0.008	mg/L
	Lead, Pb	12-Oct-06	<0.211	<0.211	mg/L
	Magnesium, Mg	12-Oct-06	27.9	27.4	mg/L
	Manganese, Mn	12-Oct-06	0.007	0.004	mg/L
	Mercury, Hg	12-Oct-06	ND	ND	mg/L
	Potassium, K	12-Oct-06	2.69	2.27	mg/L
	Selenium, Se	12-Oct-06	<0.957	<0.957	mg/L
	Silicon, Si	12-Oct-06	5.55	5.90	mg/L
	Silver, Ag	12-Oct-06	<0.014	<0.14	mg/L
	Sodium, Na	12-Oct-06	76.0	60.6	mg/L
	Strontium, Sr	12-Oct-06	0.249	0.273	mg/L
	Titanium, Ti	12-Oct-06	<0.004	<0.004	mg/L
	Uranium, U	20-Apr-06	0.0005	0.0005	mg/L
	Zinc, Zn	12-Oct-06	<0.013	<0.013	mg/L

ND indicates Not detectable, < indicates below Method Detection Limit. (MDL).

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

Parameter	Sample Date (dd/mm/yy)	Result Value Alton # 3	Result Value Alton # 4	Unit of Measure	Exceedance
Antimony	20/04/06	<0.468	0.495	ug/L	No
Arsenic	20/04/06	0.938	1.12	ug/L	No
Barium	20/04/06	0.174	0.176	mg/L	No
Boron	20/04/06	0.043	0.039	mg/L	No
Cadmium	20/04/06	ND	ND	mg/L	No
Chromium	20/04/06	<0.003	<0.003	mg/L	No
Lead	20/04/06	<0.211	<0.211	ug/L	No
Mercury	20/04/06	ND	ND	mg/L	No
Selenium	20/04/06	<0.957	<0.957	ug/L	No
Sodium	13/07/06	104	75.2	mg/L	Yes
Uranium	20/04/06	0.0005	0.0005	mg/L	No
Fluoride	12/10/06	0.077	<0.065	mg/L	No
Nitrite	12/10/06	<0.017	<0.017	mg/L	No
Nitrate	12/10/06	3.28	2.62	mg/L	No

ND indicates Not detectable, < indicates below Method Detection Limit. (MDL).

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

Parameter	Sample Date (dd/mm/yy)	Result Value Alton # 3	Result Value Alton # 4	Unit of Measure	Exceedance
Alachlor	20/04/06	ND	ND	ug/L	No
Aldicarb	20/04/06	ND	ND	ug/L	No
Aldrin + Dieldrin	20/04/06	ND	ND	ug/L	No
Atrazine + N-dealkylated metabolites	20/04/06	ND	ND	ug/L	No
Azinphos-methyl	20/04/06	ND	ND	ug/L	No
Bendiocarb	20/04/06	ND	ND	ug/L	No
Benzene	20/04/06	ND	ND	ug/L	No
Benzo(a)pyrene	20/04/06	ND	ND	ug/L	No
Bromoxynil	20/04/06	ND	ND	ug/L	No
Carbaryl	20/04/06	ND	ND	ug/L	No
Carbofuran	20/04/06	ND	ND	ug/L	No
Carbon Tetrachloride	20/04/06	ND	ND	ug/L	No
Chlordane (Total)	20/04/06	ND	ND	ug/L	No
Chlorpyrifos	20/04/06	ND	ND	ug/L	No
Cyanazine	20/04/06	ND	ND	ug/L	No
Diazinon	20/04/06	ND	ND	ug/L	No
Dicamba	20/04/06	ND	ND	ug/L	No
1,2-Dichlorobenzene	20/04/06	ND	ND	ug/L	No
1,4-Dichlorobenzene	20/04/06	ND	ND	ug/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	20/04/06	ND	ND	ug/L	No
1,2-Dichloroethane	20/04/06	ND	ND	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	20/04/06	ND	ND	ug/L	No
Dichloromethane	20/04/06	ND	ND	ug/L	No
2-4 Dichlorophenol	20/04/06	ND	ND	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	20/04/06	ND	ND	ug/L	No
Diclofop-methyl	20/04/06	ND	ND	ug/L	No
Dimethoate	20/04/06	ND	ND	ug/L	No
Dinoseb	20/04/06	ND	ND	ug/L	No
Diquat	20/04/06	ND	ND	ppb	No
Diuron	20/04/06	ND	ND	ug/L	No
Glyphosate	20/04/06	ND	ND	ug/L	No
Heptachlor + Heptachlor Epoxide	20/04/06	ND	ND	ug/L	No
Linadane (Total)	20/04/06	ND	ND	ug/L	No
Malathion	20/04/06	ND	ND	ug/L	No
Methoxychlor	20/04/06	ND	ND	ug/L	No
Metolachlor	20/04/06	ND	ND	ug/L	No
Metribuzin	20/04/06	ND	ND	ug/L	No
Monochlorobenzene	20/04/06	ND	ND	ug/L	No
Paraquat	20/04/06	ND	ND	ppb	No
Parathion	20/04/06	ND	ND	ug/L	No
Pentachlorophenol	20/04/06	ND	ND	ug/L	No
Phorate	20/04/06	ND	ND	ug/L	No

<b>Picloram</b>	20/04/06	ND	ND	ug/L	No
<b>Polychlorinated Biphenyls(PCB)</b>	20/04/06	ND	ND	ug/L	No
<b>Prometryne</b>	20/04/06	ND	ND	ug/L	No
<b>Simazine</b>	20/04/06	ND	ND	ug/L	No
<b>THM</b> (NOTE: show latest annual average)	Jan 1–Dec 31 2006	15.3 (annual running average in the distribution system)		ug/L	No
<b>Temephos</b>	20/04/06	ND	ND	ug/L	No
<b>Terbufos</b>	20/04/06	ND	ND	ug/L	No
<b>Tetrachloroethylene</b>	20/04/06	ND	ND	ug/L	No
<b>2,3,4,6-Tetrachlorophenol</b>	20/04/06	ND	ND	ug/L	No
<b>Triallate</b>	20/04/06	ND	ND	ug/L	No
<b>Trichloroethylene</b>	20/04/06	ND	ND	ug/L	No
<b>2,4,6-Trichlorophenol</b>	20/04/06	ND	ND	ug/L	No
<b>2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)</b>	20/04/06	ND	ND	ug/L	No
<b>Trifluralin</b>	20/04/06	ND	ND	ug/L	No
<b>Vinyl Chloride</b>	20/04/06	ND	ND	ug/L	No

ND indicates Not detectable, < indicates below Method Detection Limit. (MDL).

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
None	N/A	N/A	N/A

**(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)**