



OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	220002752
Drinking-Water System Name:	Paris Drinking Water System
Drinking-Water System Owner:	County of Brant
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2009 – December 31, 2009

<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 [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;"> <p>County of Brant Administration Office 26 Park Ave. Burford, Ontario N0E 1A0</p> </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; height: 20px; margin: 5px 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; height: 20px; margin: 5px 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>
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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
None	

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: Notice in water bill

Describe your Drinking-Water System

The Paris Water Supply System consists of 3 well fields called Gilbert, Telfer and Scott located at 319 Grand River St. N., 166 West River Rd., and 57 Schuyler St. respectively. The Gilbert system is the primary water supply with Telfer used as a back-up during periods of high demand or system maintenance. The Scott system is not currently used due to water quality concerns.

Storage in the distribution system is provided via the Sharpe 2,270 m³ single cell in-ground storage reservoir and Oak Park 3,700 m³ elevated storage tank located at 11 Chapel St. and 557 Paris Rd. respectively.

There are approximately 4,040 residential and 270 industrial/commercial/institutional consumers on the Paris water system.

GILBERT WATER SUPPLY FACILITIES

The Gilbert Water Supply Facility consists of:

- a) Eight drilled wells. Two wells (P28 & P29) are completed in the bedrock and are equipped with submersible pumps capable of pumping 37.9 l/s each. The other six wells (P210, P211, P212, P213, P214 & P215) are completed in the overburden and are equipped with submersible pumps with a total overburden well capacity of 50 l/s;
- b) a sodium hypochlorite dosing system to provide disinfection via chlorination;
- c) a hydrofluosilicic acid dosing system to provide fluoridation;
- d) one 908 m³ and one 1,363 m³ in-ground baffled storage reservoirs; and
- e) three 85.4 l/s high lift booster pumps that pump the water to the distribution system.

Emergency standby power capable of providing standby power for full capacity of the station.

The well field is in a rural location surrounded by green space and agricultural lands. There is some residential and light industrial land uses nearby.



List all water treatment chemicals used over this reporting period

12% sodium hypochlorite solution used for disinfection 25% hydrofluosilicic acid solution used for fluoridation

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

600K for SCADA system upgrades

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
04/07/09	Low free chlorine	<0.05	mg/l	Installed a UPS (uninterrupted power supply) to avoid temporary loss to analyzer.	04/07/09
04/29/09	Low free chlorine	<0.05	mg/l	Reading was cause by communication error between analyzer and alarm system	04/29/09
06/26/09	Low free chlorine	<0.05	mg/l	Analyzer maintenance caused false reading	06/26/09

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 (cfu/100ml)	Range of Total Coliform Results (cfu/100ml)	Range of BKG Results (cfu/100ml)	Number of HPC Samples	Range of HPC Results (cfu/1ml)
Raw Well P28	51	0	0	0 - 320	51	>2000
Raw Well P29	52	0	0	0 - 126	52	<10 - 40
Raw Well P210	52	0	0	0 - 5	52	<10 - 40
Raw Well P211	52	0	0 - 40	0 - 253	52	<10 - 80
Raw Well P212	52	0	0 - 1	0 - 1	52	<10 - 50
Raw Well P213	52	0	0 - 1	0 - 6	52	<10 - 120
Raw Well P214	52	0	0	0	52	<10 - 20
Raw Well P215	52	0	0	0 - 10	52	<10 - 430
Treated	52	0	0	0 - 2	52	<10 - 260

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 (#-#)
Turbidity –Raw Manual Well P28	13	0.07 – 0.15 NTU
Turbidity –Raw Manual Well P29	13	0.07 – 0.17 NTU
Turbidity –Raw Manual Well P210	13	0.07 – 0.17 NTU
Turbidity –Raw Manual Well P211	13	0.07 – 0.13 NTU
Turbidity –Raw Manual Well P212	13	0.08 – 0.15 NTU
Turbidity –Raw Manual Well P213	13	0.07 – 0.28 NTU
Turbidity –Raw Manual Well P214	13	0.07 – 0.13 NTU
Turbidity –Raw Manual Well P215	13	0.07 – 0.18 NTU
Turbidity – Treated Online	8760	0.04 – 2.82 NTU
Free Chlorine – Treated Online	8760	0.54 – 5.00 mg/l
Free Chlorine – Treated Manual	359	0.84 – 1.21 mg/l
Fluoride (If the DWS provides fluoridation)	8760	0.31 – 1.09 mg/l

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
None required				

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

Parameter	Sample Date mm/dd/yy	Result Value	Unit of Measure	Exceedance
Antimony	03/18/09	<0.0005	mg/l	No
Arsenic	03/18/09	<0.001	mg/l	No
Barium	03/18/09	0.042	mg/l	No
Boron	03/18/09	0.02	mg/l	No
Cadmium	03/18/09	<0.0001	mg/l	No
Chromium	03/18/09	<0.005	mg/l	No
Mercury	03/18/09	<0.0001	mg/l	No
Selenium	03/18/09	<0.002	mg/l	No
Uranium	03/18/09	0.0006	mg/l	No
Fluoride	04/24/09	0.6	mg/l	No
Nitrite	02/12/09	<0.01	mg/l	No
	06/03/09	<0.01	mg/l	No
	09/02/09	<0.01	mg/l	No
	11/11/09	<0.01	mg/l	No
Nitrate	02/12/09	1.7	mg/l	No
	06/03/09	2.6	mg/l	No
	09/02/09	2.5	mg/l	No
	11/11/09	2.2	mg/l	No
Dissolved Nitrite plus Nitrate	02/12/09	1.7	mg/l	No
	06/03/09	2.6	mg/l	No
	09/02/09	2.5	mg/l	No
	11/11/09	2.2	mg/l	No
Sodium (Point of Entry to Distribution System) See note 1	02/05/08	22	mg/l	Yes
	03/03/08	21	mg/l	Yes
	03/18/08	21	mg/l	Yes
	06/03/08	22	mg/l	Yes
	07/03/08	17	mg/l	No
	03/18/09	21	mg/l	Yes
	04/24/09	31	mg/l	Yes

Summary of lead testing under Schedule 15.1 during this reporting period

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

Location Type	Number of Samples	Range of Lead Results (min#) – (max #)	Number of Exceedances
Plumbing	272	<0.0005 – 0.0150	2
Distribution	26	<0.0005 – 0.0027	0

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	03/18/09	<0.5	µg/l	No
	06/03/09*	<0.5	µg/l	No
a-Chlordane	03/18/09	<0.006	µg/l	No
Aldicarb	03/18/09	<5	µg/l	No
	06/03/09*	<5	µg/l	No
Aldrin	03/18/09	<0.006	µg/l	No
Aldrin + Dieldrin	03/18/09	<0.01	µg/l	No
Aroclor 1016	03/18/09	<0.05	µg/l	No
Aroclor 1221	03/18/09	<0.1	µg/l	No
Aroclor 1232	03/18/09	<0.05	µg/l	No
Aroclor 1242	03/18/09	<0.05	µg/l	No
Aroclor 1248	03/18/09	<0.05	µg/l	No
Aroclor 1254	03/18/09	<0.05	µg/l	No
Aroclor 1260	03/18/09	<0.05	µg/l	No
Atrazine	03/18/09	<0.5	µg/l	No
	06/03/09*	<0.5	µg/l	No
Atrazine + Desethyl-atrazine	03/18/09	<1	µg/l	No
	06/03/09*	<1	µg/l	No
Bendiocarb	03/18/09	<2	µg/l	No
	06/03/09*	<2	µg/l	No
Benzene	03/18/09	<0.1	µg/l	No
Benzo(a)pyrene	03/18/09	<0.009	µg/l	No
	06/03/09*	<0.009	µg/l	No
Bromoxynil	03/18/09	<0.5	µg/l	No
	06/03/09*	<0.5	µg/l	No
Carbaryl	03/18/09	<5	µg/l	No
	06/03/09*	<5	µg/l	No
Carbofuran	03/18/09	<5	µg/l	No
	06/03/09*	<5	µg/l	No
Carbon Tetrachloride	03/18/09	<0.1	µg/l	No
Chlorobenzene	03/18/09	<0.1	µg/l	No
Chlordane (Total)	03/18/09	<0.01	µg/l	No
Chlorpyrifos	03/18/09	<1	µg/l	No
	06/03/09*	<1	µg/l	No
Cyanazine	03/18/09	<1	µg/l	No
	06/03/09*	<1	µg/l	No
Desethyl-atrazine	03/18/09	<0.5	µg/l	No
	06/03/09*	<0.5	µg/l	No
Diazinon	03/18/09	<1	µg/l	No
	06/03/09*	<1	µg/l	No
Dieldrin	03/18/09	<0.006	µg/l	No
Dicamba	03/18/09	<1	µg/l	No
	06/03/09*	<1	µg/l	No
1,2-Dichlorobenzene	03/18/09	<0.2	µg/l	No
1,4-Dichlorobenzene	03/18/09	<0.2	µg/l	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	03/18/09	<0.02	µg/l	No
1,2-Dichloroethane	03/18/09	<0.2	µg/l	No



1,1-Dichloroethylene (vinylidene chloride)	03/18/09	<0.1	µg/l	No
Methylene Chloride (Dichloromethane)	03/18/09	<0.5	µg/l	No
2-4 Dichlorophenol	03/18/09 06/03/09*	<0.5 <0.5	µg/l µg/l	No No
2,4-Dichlorophenoxy acetic acid (2,4-D)	03/18/09 06/03/09*	<1 <1	µg/l µg/l	No No
Diclofop-methyl	03/18/09 06/03/09*	<0.9 <0.9	µg/l µg/l	No No
Dimethoate	03/18/09 06/03/09*	<3 <3	µg/l µg/l	No No
Dinoseb	03/18/09 06/03/09*	<1 <1	µg/l µg/l	No No
Diquat	03/18/09	<7	µg/l	No
Diuron	03/18/09	<10	µg/l	No
g-Chlordane	03/18/09	<0.006	µg/l	No
Glyphosate	03/18/09 06/03/09*	<10 <10	µg/l µg/l	No No
Guthion (Azinphos-methyl)	03/18/09	<2	µg/l	No
Heptachlor	03/18/09	<0.006	µg/l	No
Heptachlor + Heptachlor Epoxide	03/18/09	<0.01	µg/l	No
Heptachlor Epoxide	03/18/09	<0.006	µg/l	No
Linadane (Total)	03/18/09	<0.006	µg/l	No
Malathion	03/18/09 06/03/09*	<5 <5	µg/l µg/l	No No
Methoxychlor	03/18/09	<0.02	µg/l	No
Metolachlor	03/18/09 06/03/09*	<0.5 <0.5	µg/l µg/l	No No
Metribuzin	03/18/09 06/03/09*	<5 <5	µg/l µg/l	No No
o,p-DDT	03/18/09	<0.006	µg/l	No
p,p-DDD	03/18/09	<0.006	µg/l	No
p,p-DDE	03/18/09	<0.006	µg/l	No
p,p-DDT	03/18/09	<0.006	µg/l	No
Oxychlordane	03/18/09	<0.006	µg/l	No
Paraquat	03/18/09	<1	µg/l	No
Ethyl Parathion	03/18/09 06/03/09*	<1 <1	µg/l µg/l	No No
Pentachlorophenol	03/18/09 06/03/09*	<0.5 <0.5	µg/l µg/l	No No
Phorate	03/18/09 06/03/09*	<0.5 <0.5	µg/l µg/l	No No
Picloram	03/18/09 06/03/09*	<5 <5	µg/l µg/l	No No
Total PCB	03/18/09	<0.05	µg/l	No
Prometryne	03/18/09 06/03/09*	<0.3 <0.3	µg/l µg/l	No No
Simazine	03/18/09 06/03/09*	<1 <1	µg/l µg/l	No No
Temphos	03/18/09	<10	µg/l	No
Terbufos	03/18/09 06/03/09*	<0.5 <0.5	µg/l µg/l	No No
Tetrachloroethylene	03/18/09	<0.1	µg/l	No

2,3,4,6-Tetrachlorophenol	03/18/09	<0.5	µg/l	No
	06/03/09*	<0.5	µg/l	No
Toluene	03/18/09	<0.2	µg/l	No
Triallate	03/18/09	<1	µg/l	No
	06/03/09*	<1	µg/l	No
Trichloroethylene	03/18/09	<0.1	µg/l	No
2,4,6-Trichlorophenol	03/18/09	<0.5	µg/l	No
	06/03/09*	<0.5	µg/l	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	03/18/09	<1	µg/l	No
	06/03/09*	<1	µg/l	No
Trifluralin	03/18/09	<1	µg/l	No
	06/03/09*	<1	µg/l	No
Vinyl Chloride	03/18/09	<0.2	µg/l	No

06/03/09* resample due to laboratory bottle error

Non regulatory RAW WATER samples were taken from Gilbert Wells P28, P29, P210, P211, P212, P213, P214 and P215 to gain operational information and analyzed for the parameters listed in the table below. Unless otherwise stated, results are reported in mg/l.

Parameter	Sample Date mm/dd/yy	Sample Result							
		P28	P29	P210	P211	P212	P213	P214	P215
Sulphate	02/18/09	412	830	39	37	35	34	28	26
	04/16/09	450	820	36	31	32	31	28	29
	07/09/09	440	780	32	31	27	28	26	
	07/15/09								24
	12/22/09	440	860	35	33	30	30	26	26
Chloride	02/18/09	36	16	39	39	40	42	54	58
	04/16/09	37	16	40	43	48	47	67	59
	07/09/09	36	15	39	43	54	52	64	
	07/15/09								52
	12/22/09	37	14	38	43	43	44	58	55
Nitrate	02/18/09	<0.1	<0.1	8.8	8.6	8.7	8.5	7.0	6.0
	04/16/09	<0.1	<0.1	7.9	8.2	8.1	8.1	7.0	6.5
	07/09/09	0.1	<0.1	10	10	10	9	9	
	07/15/09								6.7
	12/22/09	0.1	<0.1	6.9	6.6	7.0	7.3	6.9	6.4
Nitrite	02/18/09	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	12/22/09	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite + Nitrate	02/18/09	<0.1	<0.1	8.8	8.6	8.7	8.5	7.0	6.0
	12/22/09	0.1	<0.1	6.9	6.6	6.9	7.3	6.9	6.4

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			



TELFER WATER SUPPLY FACILITY

The Telfer water supply facilities consist of:

- a) two drilled wells. One well (P31) is completed in the overburden and one well (P32) is completed in the bedrock. Both wells are equipped with submersible pumps capable of pumping 37.8 l/s each.
- b) a sodium hypochlorite dosing system to provide disinfection via chlorination;
- c) a hydrofluosilicic acid dosing system to provide fluoridation; and
- d) two 51.3 m³ chlorine contact tanks.

Emergency standby power capable of operating the entire facility is provided by a diesel motor driven generator.

The Wellfield is located in a rural setting. Surrounding land uses include agriculture and green space.

List all water treatment chemicals used over this reporting period

12% sodium hypochlorite solution used for disinfection
25% hydrofluosilicic acid solution used for fluoridation

Were any significant expenses incurred to?

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

Describe

100K for SCADA system upgrades

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

	Number of Samples	Range of E.Coli or Fecal Results (cfu/100ml)	Range of Total Coliform Results (cfu/100ml)	Range of BKG Results (cfu/100ml)	Number of HPC Samples	Range of HPC Results (cfu/1ml)
Raw P31	52	0	0	0 - 1	52	<10 - 80
Raw P32	52	0	0	0 - 5	52	<10 - 90
Treated	52	0	0	0	52	<10 - 820

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-Raw Manual Well P31	13	0.07 – 0.17 NTU
Turbidity-Raw Manual Well P32	13	0.07 – 0.14 NTU
Turbidity-Treated Online	8760	0.03 – 2.00 NTU
Free Chlorine-Treated Online	8760	0.57 – 1.53 mg/l
Free Chlorine Treated Manual	365	0.74 – 1.26 mg/l
Fluoride (If the DWS provides fluoridation)	8760	0.17 – 1.19 mg/l

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
None				

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

Parameter	Sample Date mm/dd/yy	Result Value	Unit of Measure	Exceedance
Antimony	10/05/09	0.0009	mg/l	No
Arsenic	10/05/09	<0.001	mg/l	No
Barium	10/05/09	0.032	mg/l	No
Boron	10/05/09	0.02	mg/l	No
Cadmium	10/05/09	<0.0001	mg/l	No
Chromium	10/05/09	<0.005	mg/l	No
Mercury	10/05/09	<0.0001	mg/l	No
Selenium	10/05/09	<0.002	mg/l	No
Uranium	10/05/09	0.0019	mg/l	No
Fluoride	04/24/09	0.5	mg/l	No
Nitrite	02/12/09	<0.01	mg/l	No
	06/03/09	<0.01	mg/l	No
	09/02/09	<0.01	mg/l	No
	11/11/09	<0.01	mg/l	No
Nitrate	02/12/09	8.0	mg/l	No
	06/03/09	6.2	mg/l	No
	09/02/09	6.8	mg/l	No
	11/11/09	6.8	mg/l	No
Nitrate + Nitrite	02/12/09	8.0	mg/l	No
	06/03/09	6.2	mg/l	No
	09/02/09	6.8	mg/l	No
	11/11/09	6.8	mg/l	No
Sodium (Point of entry to distribution system)	04/24/09	8.8	mg/l	No
	10/05/09	8.4	mg/l	No

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

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	10/05/09	<0.5	µg/l	No
Aldicarb	10/05/09	<5	µg/l	No
Aldrin	10/05/09	<0.006	µg/l	No
Aldrin + Dieldrin	10/05/09	<0.01	µg/l	No
Aroclor 1016	10/05/09	<0.05	µg/l	No
Aroclor 1221	10/05/09	<0.1	µg/l	No
Aroclor 1232	10/05/09	<0.05	µg/l	No
Aroclor 1242	10/05/09	<0.05	µg/l	No
Aroclor 1248	10/05/09	<0.05	µg/l	No
Aroclor 1254	10/05/09	<0.05	µg/l	No
Aroclor 1260	10/05/09	<0.05	µg/l	No
Atrazine	10/05/09	<0.5	µg/l	No
Atrazine + N-dealkylated metabolites (Atrazine + Desethyl-atrazine)	10/05/09	<1	µg/l	No
Bendiocarb	10/05/09	<2	µg/l	No
Benzene	10/05/09	<0.1	µg/l	No
Benzo(a)pyrene	10/05/09	<0.009	µg/l	No
Bromoxynil	10/05/09	<0.5	µg/l	No
Carbaryl	10/05/09	<5.0	µg/l	No
Carbofuran	10/05/09	<5	µg/l	No
Carbon Tetrachloride	10/05/09	<0.1	µg/l	No
a-Chlordane	10/05/09	<0.006	µg/l	No
g-Chlordane	10/05/09	<0.006	µg/l	No
Chlordane (Total)	10/05/09	<0.01	µg/l	No
Chlorpyrifos	10/05/09	<1	µg/l	No
Cyanazine	10/05/09	<1	µg/l	No
Desethyl-atrazine	10/05/09	<0.5	µg/l	No
Diazinon	10/05/09	<1	µg/l	No
Dieldrin	10/05/09	<0.006	µg/l	No
Dicamba	10/05/09	<1	µg/l	No
1,2-Dichlorobenzene	10/05/09	<0.2	µg/l	No
1,4-Dichlorobenzene	10/05/09	<0.2	µg/l	No
DDT + metabolites (Dichlorodiphenyltrichloroethane)	10/05/09	<0.02	µg/l	No
1,2-Dichloroethane	10/05/09	<0.2	µg/l	No
1,1-Dichloroethylene (vinylidene chloride)	10/05/09	<0.1	µg/l	No
Methylene Chloride (Dichloromethane)	10/05/09	<0.5	µg/l	No
2-4 Dichlorophenol	10/05/09	<0.5	µg/l	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	10/05/09	<1	µg/l	No
Diclofop-methyl	10/05/09	<0.9	µg/l	No
Dimethoate	10/05/09	<3	µg/l	No
Dinoseb	10/05/09	<1	µg/l	No
Diquat	10/05/09	<7	µg/l	No
Diuron	10/05/09	<10	µg/l	No
Ethyl Parathion (Parathion)	10/05/09	<1	µg/l	No



Glyphosate	10/05/09	<10	µg/l	No
Guthion (Azinphos-methyl)	10/05/09	<2	µg/l	No
Heptachlor	10/05/09	<0.006	µg/l	No
Heptachlor Epoxide	10/05/09	<0.006	µg/l	No
Heptachlor + Heptachlor Epoxide	10/05/09	<0.01	µg/l	No
Linadane (Total)	10/05/09	<0.006	µg/l	No
Malathion	10/05/09	<5	µg/l	No
Methoxychlor	10/05/09	<0.02	µg/l	No
Metolachlor	10/05/09	<0.5	µg/l	No
Metribuzin	10/05/09	<5	µg/l	No
Chlorobenzene (Monochlorobenzene)	10/05/09	<0.1	µg/l	No
o.p.-DDT	10/05/09	<0.006	µg/l	No
p.p.-DDD	10/05/09	<0.006	µg/l	No
p.p.-DDE	10/05/09	<0.006	µg/l	No
p.p.-DDT	10/05/09	<0.006	µg/l	No
Oxychlorthane	10/05/09	<0.006	µg/l	No
Paraquat	10/05/09	<1	µg/l	No
Pentachlorophenol	10/05/09	<0.5	µg/l	No
Phorate	10/05/09	<0.5	µg/l	No
Picloram	10/05/09	<5	µg/l	No
Total PCB (Polychlorinated Biphenyls)	10/05/09	<0.05	µg/l	No
Prometryne	10/05/09	<0.3	µg/l	No
Simazine	10/05/09	<1	µg/l	No
Temephos	10/05/09	<10	µg/l	No
Terbufos	10/05/09	<0.5	µg/l	No
Tetrachloroethylene	10/05/09	<0.1	µg/l	No
2,3,4,6-Tetrachlorophenol	10/05/09	<0.5	µg/l	No
Toluene	10/05/09	<0.2	µg/l	No
Triallate	10/05/09	<1	µg/l	No
Trichloroethylene	10/05/09	<0.1	µg/l	No
2,4,6-Trichlorophenol	10/05/09	<0.5	µg/l	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	10/05/09	<1	µg/l	No
Trifluralin	10/05/09	<1	µg/l	No
Vinyl Chloride	10/05/09	<0.2	µg/l	No

Non regulatory RAW WATER samples were taken from wells P31 and P32. The samples were taken to gain operational information, and were analyzed for the parameters listed in the table below.

Parameter	Sample Date mm/dd/yy	Result		Unit of Measure
		P31	P32	
Sulphate	02/18/09	44	229	mg/l
	04/16/09	45	230	mg/l
	07/09/09	66	310	mg/l
	12/22/09	25	170	mg/l
Chloride	02/18/09	20	23	mg/l
	04/16/09	21	23	mg/l
	07/09/09	23	23	mg/l
	12/22/09	19	22	mg/l
Nitrite	02/18/09	<0.01	<0.01	mg/l
	12/22/09	<0.01	<0.01	mg/l
Nitrate	02/18/09	9.5	7.0	mg/l
	04/16/09	9.5	7.0	mg/l
	07/09/09	12	6.0	mg/l
	12/22/09	10	7.3	mg/l
Nitrate + Nitrite	02/18/09	9.5	7.0	mg/l
	12/22/09	10	7.3	mg/l

List any Inorganic or Organic (Treated Water) 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
Nitrate	8.0	mg/l	02/12/09
	6.2	mg/l	06/03/09
	6.8	mg/l	09/02/09
	6.8	mg/l	11/11/09
Nitrate + Nitrite	8.0	mg/l	02/12/09
	6.2	mg/l	06/03/09
	6.8	mg/l	09/02/09
	6.8	mg/l	11/11/09



DISTRIBUTION SYSTEM

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

	Number of Samples	Range of E.Coli or Fecal Results (cfu/100ml)	Range of Total Coliform Results (cfu/100ml)	Range of BKG Results (cfu/100ml)	Number of HPC Samples	Range of HPC Results (cfu/1ml)
Distribution	378	0	0	0 - 27	378	<10 - >2000

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

	Number of Grab Samples	Range of Results (#-#)
Free Chlorine – Distribution (Daily distribution & Flushing + Bacti sampling)	1771 + 378 = 2,149	0.13 – 1.16 mg/l

Parameter	Sample Date mm/dd/yy	Unit of Measure	Sample Result		
			Sharpe Reservoir	57 Schuyler St. (Scott Stn)	Oak Park Tower
Lead	02/12/09	mg/l	<0.0005	<0.0005	<0.0005
	06/03/09	mg/l			
	09/02/09	mg/l			
	11/11/09	mg/l			
THM	02/12/09	µg/l	4.7	8.7	6.9
	06/03/09	µg/l			
	09/02/09	µg/l			
	11/11/09	µg/l			

List any Inorganic or Organic (Distribution Water) 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			



Note 1:

“The levels of sodium in the water are of interest because at higher levels it can impart a salty taste to the water and persons on sodium reduced diets need to know the sodium levels in the drinking water so that they can monitor their sodium intake. Specifically, the Technical Support Document for Ontario Drinking Water – Standards, Objectives and Guidelines, Ministry of the Environment, June 2003, indicates the following regarding sodium:

“Sodium (inorganic)

The aesthetic objective for sodium in drinking water is 200 mg/L at which it can be detected by a salty taste. Sodium is not toxic. Consumption of sodium in excess of 10 grams per day by normal adults does not result in any apparent adverse health effects. In addition, the average intake of sodium from water is only a small fraction of that consumed in a normal diet. A maximum acceptable concentration for sodium in drinking water has, therefore, not been specified. Persons suffering from hypertension or congestive heart disease may require a sodium restricted diet, in which case, the intake of sodium from drinking water could become significant. It is therefore recommended that the measurement of sodium levels be included in routine monitoring programs of water supplies. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L, so that this information may be passed on to local physicians.

Softening using a domestic water softener increases the sodium level in drinking water and may contribute a significant percentage to the daily sodium intake for a consumer on a sodium restricted diet. It is recommended that a separate unsoftened supply be retained for cooking and drinking purposes.”

The results reported of recent testing indicate sodium concentrations of up to 31 mg/l. This was reported to the Brant County Health Unit as required by the Technical Support Document for Ontario Drinking Water – Standards, Objectives and Guidelines, Ministry of the Environment, June 2003 described above.

Those who are hypertensive or are on a sodium-reduced diet should consult with their physician about this matter.

There should be no concern for healthy individuals. For perspective, while most diets contain other sources of sodium, consider that you would have to drink approximately 322 litres of water containing 31 mg/l of sodium to consume 10 grams of sodium in one day.