OPTIONAL ANNUAL REPORT

Drinking-Water System Number:	**260006464**
Drinking-Water System Name:	St. Clair Township Distribution System
Drinking-Water System Owner:	St. Clair, The Corporation of the Township of
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2014 – December 31, 2014

Complete if your Category is Large Municipal Residential or Small Municipal Residential

Does your Drinking-Water System serve more than 10,000 people? Yes [x] No [ ]

Is your annual report available to the public at no charge on a web site on the Internet? Yes [x] No [ ]

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.

St. Clair Civic Center
1155 Emily Street
Mooretown, Ontario

Complete for all other Categories.

Number of Designated Facilities served:

N/A

Did you provide a copy of your annual report to all Designated Facilities you serve?
Yes [ ] No [ ]

Number of Interested Authorities you report to: N/A

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?
Yes [ ] No [ ]

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
Fawn Island Owners Association	Does not have a DW System Number
Stag Island Fraternal Fellowship	Does not have a DW 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 [x] No [ ]

Indicate how you notified system users that your annual report is available, and is free of charge.

- **[x] Public access/notice via the web**
- **[x] Public access/notice via Government Office**
- **[ ] Public access/notice via a newspaper**
- **[x] 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 Corporation of the Township of St. Clair operates the St. Clair Township Water Distribution System which consists of the Brigden Elevated Water Tower and the distribution water mains of the Township of St. Clair. The St. Clair Township Water Distribution System receives its water directly from the Lambton Area Water Supply System (LAWSS). The LAWSS water treatment plant is located at the junction of Lake Huron and the St. Clair River in the City of Sarnia. Prior to distribution, the Lambton WTP adds chlorine and fluoride to the finished water. The water is re-chlorinated at West Lambton Pumping Station prior to entering the Township. The water is re-chlorinated at the Brigden Elevated Water Tower for maintaining the free chlorine residual in the St. Clair distribution system.

List all water treatment chemicals used over this reporting period

Sodium Hypochlorite - disinfection
NSF/ANSI approved

Were any significant expenses incurred to?

- **[x]** Install required equipment
- **[ ]** Repair required equipment
- **[x]** Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

Watermain Replacement:

1. St. Clair Parkway - Courtright Line to 1800 St. Clair Parkway (Frog Point) **$606,957.36**
2. Colborne Street – Fane Street to Cameron Street **$74,976.52**

New Watermain Installation:

1. St. Clair Parkway - Seager Park to Bickford Line **$247,142.78**
2. Oil Springs Line – Existing LAWSS connection to 477 Oil Springs Line **$554,876.71**

Watermain New Development:

1. Paddock Green 15b **$161,878.90**

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
None					

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	n/a				
Treated	n/a				
Distribution	416	0-0	0-0	129	<10 – 970 CFU/1mL

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	**n/a**	
Chlorine	**365**	**0.62 – 1.68**
Fluoride (If the DWS provides fluoridation)	**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	Result	Unit of Measure

None				

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	n/a			
Arsenic	n/a			
Barium	n/a			
Boron	n/a			
Cadmium	n/a			
Chromium	n/a			
***Lead**	2014	(.02)-(0.35)	ug/L	0
Mercury	n/a			
Selenium	n/a			
Sodium	n/a			
Uranium	n/a			
Fluoride	n/a			
Nitrite	n/a			
Nitrate	n/a			

*only for drinking water systems testing under Schedule 15.2; this includes large municipal non-residential systems, small municipal non-residential systems, non-municipal seasonal residential systems, large non-municipal non-residential systems, and small non-municipal non-residential systems

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	**0**		**0**
Distribution	**8**	**(.02)-(0.35)**	**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	**n/a**			

Aldicarb	n/a			
Aldrin + Dieldrin	n/a			
Atrazine + N-dealkylated metobolites	n/a			
Azinphos-methyl	n/a			
Bendiocarb	n/a			
Benzene	n/a			
Benzo(a)pyrene	n/a			
Bromoxynil	n/a			
Carbaryl	n/a			
Carbofuran	n/a			
Carbon Tetrachloride	n/a			
Chlordane (Total)	n/a			
Chlorpyrifos	n/a			
Cyanazine	n/a			
Diazinon	n/a			
Dicamba	n/a			
1,2-Dichlorobenzene	n/a			
1,4-Dichlorobenzene	n/a			
Dichlorodiphenyltrichloroethane (DDT) + metabolites	n/a			
1,2-Dichloroethane	n/a			
1,1-Dichloroethylene (vinylidene chloride)	n/a			
Dichloromethane	n/a			
2-4 Dichlorophenol	n/a			
2,4-Dichlorophenoxy acetic acid (2,4-D)	n/a			
Diclofop-methyl	n/a			
Dimethoate	n/a			
Dinoseb	n/a			
Diquat	n/a			
Diuron	n/a			
Glyphosate	n/a			
Heptachlor + Heptachlor Epoxide	n/a			
Lindane (Total)	n/a			
Malathion	n/a			
Methoxychlor	n/a			
Metolachlor	n/a			
Metribuzin	n/a			
Monochlorobenzene	n/a			
Paraquat	n/a			
Parathion	n/a			
Pentachlorophenol	n/a			
Phorate	n/a			
Picloram	n/a			
Polychlorinated Biphenyls(PCB)	n/a			

Prometryne	n/a			
Simazine	n/a			
THM (NOTE: show latest annual average)	**Jan-Dec 2014**	**41.25**	**ug/L**	**No**
Temephos	n/a			
Terbufos	n/a			
Tetrachloroethylene	n/a			
2,3,4,6-Tetrachlorophenol	n/a			
Triallate	n/a			
Trichloroethylene	n/a			
2,4,6-Trichlorophenol	n/a			
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	n/a			
Trifluralin	n/a			
Vinyl Chloride	n/a			

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			