

Part III Form 2
Section 11. ANNUAL REPORT.

Drinking-Water System Number:	260004761
Drinking-Water System Name:	Central Elgin Distribution System
Drinking-Water System Owner:	Municipality of Central Elgin
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2017 to December 31, 2017

<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 [] 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;"> Central Elgin Administration Office 450 Sunset Drive St. Thomas Ontario, Canada N5R 5V1 </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: <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></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 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

The Central Elgin Distribution System is a collection of water service areas that obtain all of their water from other regulated water systems. The majority of the consumers are from the Port Stanley and Union areas, which obtain all of their water from the Elgin Area Primary Water System. The remaining areas obtain their water from rural spur mains that are connected to other secondary water systems. There are approximately 5000 people serviced by the Central Elgin Distribution System.

There is chlorine boosting equipment located inside the Port Stanley Elevated Water Tower which uses Sodium Hypochlorite to increase chlorine levels on the discharge side of the water tower.

List all water treatment chemicals used over this reporting period

Sodium Hypochlorite is used for disinfection at the Port Stanley Water Tower and is the only chemical used within the Central Elgin Distribution System.

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

In 2017 water mains were replaced in the Central Elgin Distribution System in the following areas;

-A small section of water main was replaced on Bridge Street at Carlow Road as part of another capital project.

The total cost of replacement was approximately \$40,000 plus HST.

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

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

Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
Total Coliforms	2	Count/100 ml	Re-Sample	July 11, 2017
Total Coliforms	9	Count/100 ml	Re-Sample	August 1, 2017

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 #)
Distribution System	672	0 to 0	0 to 9	671	<10 to >2000	672	0 to 39

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

Parameter	Number of Grab Samples	Range of Results of grab samples (min #)-(max #)	Number of Continuous Monitoring Samples	Range of Results of continuous monitoring (min #)-(max #)	Average of continuous monitoring results
Turbidity (Distribution)	2862	0.06 to 2.40 NTU	0	N/A	N/A
pH (Distribution)	6	7.27 to 7.87	8760	7.15 to 8.47	N/A
Free Chlorine (Distribution)	3125	0.10 to 2.64 mg/L	8760	0.55 to 4.26 mg/L	1.38 mg/L
Total Chlorine (Distribution)	3125	0.18 to 2.77 mg/L	8760	0.55 to 4.70 mg/L	1.48 mg/L

*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
-	-	-	-	-

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

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				
Arsenic				
Barium				
Boron				
Cadmium				
Chromium				
*Lead	See	Table	Below	
Mercury				
Selenium				
Sodium				
Uranium				
Fluoride				
Nitrite				
Nitrate				

Summary of lead testing under Schedule 15.1 during this reporting period

Location Type	Number of Samples	M.A.C.	Range of Lead Results	Number of Exceedances
Plumbing	0	0.10 mg/L	N/A	N/A
Distribution	6	0.10 mg/L	0.00006 to 0.00035 mg/L	0

Summary of alkalinity testing under Schedule 15.1 during this reporting period

Location Type	Number of Samples	M.A.C.	Range of Alkalinity Results	Number of Exceedances
Distribution	6	N/A	89 to 101 mg/L	N/A

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

Parameter	Sample Date	M.A.C.	Result Value	Unit of Measure	Exceedance
Alachlor					
Aldicarb					
Aldrin + Dieldrin					
Atrazine + N-dealkylated metabolites					
Azinphos-methyl					
Bendiocarb					
Benzene					
Benzo(a)pyrene					
Bromoxynil					
Carbaryl					
Carbofuran					
Carbon Tetrachloride					
Chlordane (Total)					
Chlorpyrifos					

Cyanazine					
Diazinon					
Dicamba					
1,2-Dichlorobenzene					
1,4-Dichlorobenzene					
Dichlorodiphenyltrichloroethane (DDT) + metabolites					
1,2-Dichloroethane					
1,1-Dichloroethylene (vinylidene chloride)					
Dichloromethane					
2-4 Dichlorophenol					
2,4-Dichlorophenoxy acetic acid (2,4-D)					
Diclofop-methyl					
Dimethoate					
Dinoseb					
Diquat					
Diuron					
Glyphosate					
Total Haloacetic Acids (HAA5)	2017 Avg.	R.A.A. 0.10	R.A.A. 0.01715	mg/L	No
Heptachlor + Heptachlor Epoxide					
Lindane (Total)					
Malathion					
Methoxychlor					
Metolachlor					
Metribuzin					
Monochlorobenzene					
Paraquat					
Parathion					
Pentachlorophenol					
Phorate					
Picloram					
Polychlorinated Biphenyls(PCB)					
Prometryne					
Simazine					
THM (Total) (NOTE: show latest annual average)	2017 Avg.	R.A.A. 0.10	R.A.A. 0.04	mg/L	No
Temephos					
Terbufos					
Tetrachloroethylene					
2,3,4,6-Tetrachlorophenol					
Triallate					
Trichloroethylene					
2,4,6-Trichlorophenol					
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)					

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

Trifluralin					
Vinyl Chloride					

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
-	-	-	-

(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)