



OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	220001520
Drinking-Water System Name:	SOUTH HURON DISTRIBUTION SYSTEM
Drinking-Water System Owner:	MUNICIPALITY OF SOUTH HURON
Drinking-Water System Category:	LARGE RESIDENTIAL
Period being reported:	2017/01/01 – 2017/12/31

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

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

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.

OFFICE  
INTERNET  
LIBRARY

**Complete for all other Categories.**

Number of Designated Facilities served:

Did you provide a copy of your annual report to all Designated Facilities you serve?

Yes [ ] No [ ]

Number of Interested Authorities you report to:

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

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 [ ] NA [X ]



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

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 (Social Media, Facebook, Twitter)\_\_\_\_\_

## Describe your Drinking-Water System

**LARGE MUNICIPAL RESIDENTIAL DISTRIBUTION CLASS III  
 SURFACE WATER SUPPLIED FROM LAKE HURON PRIMARY WATER  
 SUPPLY SYSTEM (LHPWSS)**

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

**CHLORINE**

## 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

1. John Street East (Main to Albert) watermain replacement - top asphalt: \$8,357
2. James Street East (Main to Albert) watermain replacement: \$143,187
3. Simcoe Street (Andrew to Main) watermain replacement: \$106,597
4. William Street (Anne to Huron) watermain replacement: \$161,173
5. Dashwood Road (Hwy#21-Shipka Line) watermain replacement: \$394,186
6. Exeter Water Tower upgrades (mixing system & controls): \$176,010
7. Exeter Water Tower Control Valve: \$45,371
8. Engineering for Huron Street East (Edward to Eastern) watermain replacement: \$9,977
9. Engineering for Dashwood Road (Shipka to Bronson) watermain replacement: \$22,178
10. Engineering for Shipka Line (South Rd to Kirkton) watermain replacement: \$19,399
11. Engineering for Huron Street and McTaggart Line watermain replacement: \$12,828
12. Replacement of Drive on pump #2 at Mc Naughton Reservoir : \$ 6,500
13. Preventive maintenance of critical control valves : \$ 6,300
14. New Fire Hydrant installation in Crediton : \$ 9,000

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
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**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	524	0	0	159	<10-530

**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 #)	Unit of Measure	<i>NOTE: For continuous monitors use 8760 as the number of samples.</i>
Turbidity	N/A			
Chlorine	8760	0.21 – 3.09	MG/L FREE	
Fluoride (If the DWS provides fluoridation)	N/A			

**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

**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				
Mercury				
Selenium				
Sodium				
Uranium				



Fluoride				
Nitrite				
Nitrate				

\*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 #)	Unit of Measure	Number of Exceedances
Plumbing			ug/L	0
Distribution			ug/L	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				
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				
Heptachlor + Heptachlor Epoxide				
Lindane (Total)				
Malathion				
Methoxychlor				
Metolachlor				
Metribuzin				
Monochlorobenzene				
Paraquat				
Parathion				
Pentachlorophenol				
Phorate				
Picloram				
Polychlorinated Biphenyls(PCB)				
Prometryne				
Simazine				
THM (NOTE: show latest annual average)	SEE NOTE	35.25	ug/L	
Temephos				
Terbufos				
Tetrachloroethylene				
2,3,4,6-Tetrachlorophenol				
Triallate				
Trichloroethylene				
2,4,6-Trichlorophenol				
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)				
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

NOTE: FEB 7 - 24  
MAY 17 - 33  
AUG 18 - 47  
NOV 15 37  
141 / 4 = 35.25 ug/L