



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:	2020/01/01 – 2020/12/31

<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> <table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">OFFICE INTERNET LIBRARY</td> </tr> </table>	OFFICE INTERNET LIBRARY	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served: <input style="width: 100px; height: 20px;" type="text"/></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: <input style="width: 100px; height: 20px;" type="text"/></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 [] NA [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 (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. Bulk Water Station at 82 Nelson Street - \$50,000
2. Exeter North Valve Chamber Upgrades - \$47,000
3. Sherwood Crescent Reconstruction (watermain portion) - \$484,528
4. SCADA System upgrades (Phase 1) - \$260,000
5. SCADA System upgrades (Phase 2) - \$260,000
6. Dashwood Road watermain replacement (Bronson Line to Babylon Line) - \$702,846
7. Dashwood Road watermain replacement (Ausable Line to Airport Line) - \$418,178
8. Engineering for Control Chamber at Hwy#21 and Gore Road - \$60,000
9. Engineering for Gravelle, Eva, Kingsmere watermain replacement - \$25,000
10. Engineering for Sunnyside and Maplegrove watermain replacement - \$25,000
11. Engineering for Highway #21 watermain replacement - \$60,000
12. Engineering for Re-chlorination system at MacNaughton Reservoir & BPS- \$25,000
13. Replace #113 - 2008 WACH Valve Maintenance Trailer - \$89,498



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
Feb 13	Total Coliform	1	cfu/100ml	Resample	Feb 13

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	541	0	0 -1	177	<10 - 470

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	0.29 -2.20	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	
Distribution			ug/L	

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: latest annual average)	SEE NOTE	33.5	ug/L	
Total Haloacetic Acids (HAA5) (NOTE: latest annual average)	SEE NOTE	13.6	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

		<u>THM</u>	<u>HAA5</u>
NOTE:	FEB 11 -	23.0	12.3
	MAY 12 -	34.0	18.1
	AUG 18 -	42.0	8.2
	NOV 10 -	<u>35.0</u>	<u>15.9</u>
		33.5	13.6