



**OPTIONAL ANNUAL REPORT TEMPLATE**

<b>Drinking-Water System Number:</b>	220001520
<b>Drinking-Water System Name:</b>	<i>South Huron Distribution System</i>
<b>Drinking-Water System Owner:</b>	<i>Municipality of South Huron</i>
<b>Drinking-Water System Category:</b>	<i>Large Residential</i>
<b>Period being reported:</b>	<i>January 1, 2024 to December 31, 2024</i>

<p><b><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></b></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [ <input checked="" type="checkbox"/> ]</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [ <input checked="" type="checkbox"/> ] 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; margin-top: 5px;"> <p><i>Office</i> <i>Internet</i> <i>Library</i></p> </div>	<p><b><u>Complete for all other Categories.</u></b></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 [  ]



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**

*Sodium hypochlorite*

**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**

**2024 Capital Projects and Major Repairs**

<b>Project Name</b>	<b>Project Cost</b>
Main Street North Reconstruction Watermain Replacement (Exeter) - Walper Street to Ausable River	\$ 729,120
William Street Reconstruction Watermain Replacement (Exeter) - Anne Street to Sanders Street	\$ 14,012
Victoria Street East Reconstruction Watermain Replacement (Exeter) - Main Street to East End (Engineering)	\$ 15,000
Gidley Street East Reconstruction Watermain Replacement (Exeter) - Main Street to Andrew Street (Engineering)	\$ 4,741
Hardy Street Reconstruction Watermain Replacement (Exeter) - Senior Street to East End (Engineering)	\$ 5,267
Alexander Street West Reconstruction Watermain Replacement - McConnell Street to Francis Street (Engineering)	\$ 5,066
McConnell Street Reconstruction Watermain Replacement - Alexander Street to South End (Engineering)	\$ 6,674

Baldwin Street Reconstruction Watermain Replacement - Main Street to Andrew Street (Engineering)	\$ 4,825
Automated Meter Reading Upgrade	\$ 250,000
SCADA System Upgrades	\$ 128,838
Main Street Reconstruction (Dashwood) - Centre Street to West Limits	\$ 611,409
Recoat the Interior of the Exeter Water Tower	\$ 826,515
Blackbush Line Watermain Replacement - South of Huron Street to Crediton Road	\$ 800,851
Booster Pump Repairs	\$ 8,534
Chlorine Monitoring Equipment Repairs and Upgrades	\$ 33,944
Pressure Transmitter Monitoring Repairs	3,519
<b>Total</b>	<b>\$ 3,448,315</b>

**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
10/17/2024	Total Coliform	1	Cfu/100ml	Resample	10/21/2024

**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	533	0	0-1	212	<10 – 1060ABH

**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
Turbidity	N/A		
Chlorine	8760	0.21 – 3.10	mg/L Free
Fluoride (If the DWS provides fluoridation)	N/A		

*NOTE: For continuous monitors use 8760 as the number of samples.*

**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	0	0	ug/L	0
Distribution	0	0	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: latest annual average)	<i>SEE NOTE</i>	34.25	ug/L	



<b>Total Haloacetic Acids (HAA5)</b> (NOTE: latest annual average)	<i>SEE NOTE</i>	<i>5.45</i>	<i>ug/L</i>	
<b>Temephos</b>				
<b>Terbufos</b>				
<b>Tetrachloroethylene</b>				
<b>2,3,4,6-Tetrachlorophenol</b>				
<b>Triallate</b>				
<b>Trichloroethylene</b>				
<b>2,4,6-Trichlorophenol</b>				
<b>2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)</b>				
<b>Trifluralin</b>				
<b>Vinyl Chloride</b>				

**List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.**

<b>Parameter</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Date of Sample</b>

		<u><b>THM</b></u>	<u><b>HAA5</b></u>
<i>Note:</i>	<i>FEB 20 -</i>	<i>31.0</i>	<i>5.3</i>
	<i>MAY 21 -</i>	<i>35.0</i>	<i>5.9</i>
	<i>AUG 20 -</i>	<i>40.0</i>	<i>5.3</i>
	<i>NOV 12 -</i>	<u><i>31.0</i></u>	<u><i>5.3</i></u>
		<i>34.25</i>	<i>5.45</i>