#### **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:	January 1, 2023 to December 31, 2023

Complete if your Category is Large Municipal Residential or Small Municipal Residential	<u>Complete for all other Categories.</u>
Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [ ✓ ]	Number of Designated Facilities served:
Is your annual report available to the public at no charge on a web site on the Internet? Yes [ ✓ ] No [ ]	Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [ ] No [ ]
Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.	Number of Interested Authorities you report to:
Office Internet Library	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 [✓ ]

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

- 1. Blackbush Line Watermain Replacement (Dashwood Road to South of Huron Street) \$949,523
- 2. Huron Street Watermain Replacement (Morrison Line to Usborne Yard) \$449,815
- 3. William Street Reconstruction (Anne Street to Sanders Street) \$503,024
- 4. Recoat the interior of the Exeter Water Tower (Engineering) \$15,264
- 5. Main Street Dashwood (East to West Village Limits). Joint with the Country of Huron (Engineering) \$13,252
- 6. Victoria Street East Reconstruction (Main Street to East End) (Engineering) \$15,000
- 7. SCADA System Upgrades \$107,000
- 8. Replace 'Outlet' Free Chlorine Analyzer at Huron Park Tower \$9,110
- 9. Repair Actuated Valve at North Chamber \$3,143

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

In	cident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
07	7/18/2023	Total Coliform	1	Cfu/100m l	Resample	07/20/2023

### 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	503	0	0-1	200	<10 - 2000

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

period covered a	••••••			
	Number of Grab	Range of Results (min #)-(max #)	Unit of Measure	NOTE: For continuous
	Samples			monitors use 8760
Turbidity	<i>N/A</i>			as the number of
Chlorine	8760	0.23 -5.00	mg/L Free	samples.
Fluoride (If the	N/A			sumpres.
DWS provides				
fluoridation)				

### 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 nonresidential 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	Dutt	varue	liteusure	
Aldicarb				
Aldrin + Dieldrin				
Atrazine + N-dealkylated metobolites				
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      0incose      Dinoseb      Diquat      Diquat      Diaron      Glyphosate      Heptachlor + Heptachlor Epoxide      Lindane (Total)      Malathion      Metribuzin      Metribuzin      Monochlorobenzene      Paraquat      Paraquat      Paraquat      Polychorinated Biphenyls(PCB)      Prometryne      Simazine      THM      (NOTE: Iatest annual average)      NOTE      Total Haloacetic Acids (HAA5)      SEE </th <th>Disklandisk envlisiekland (DDT)</th> <th></th> <th></th> <th></th> <th></th>	Disklandisk envlisiekland (DDT)				
1.1-Dichloroethylene					
(vinylidenc chloride)    Image: Constraint of the second	1,2-Dichloroethane				
Dichloromethane    Image: Constraint of the second					
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       Monochlorobenzene       Paraquat       Parathion       Polychlorinated Biphenyls(PCB)       Prometryne       Simazine       THM    SEE      NOTE       Total Haloacetic Acids (HAA5)    SEE      (NOTE: latest annual average)       Terbufos       Terbufos       Terbufos       Z2.1    ug/L      Z3.4.6-Tetrachlorophenol       Z4.5-Trichlorophenol       Terbufos       Terbufos       Teriallate       Trichlor					
Diclofop-methyl    Image: SEE set annual average    SEE set annual average    SEE set annual average      Diduste    Image: SEE set annual average    SEE set annual average    SEE set annual average      Trichlorocthylene    Image: Set annual average    SEE set annual average    SEE set annual average      Trichlorocthylene    Image: Set annual average    SEE set annual average    SEE set annual average      Trichlorocthylene    Image: Set annual average    Image: Set annual average    Image: Set annual average      Trichlorocthylene    Image: Set annual average    Image: Set annual average    Image: Set annual average      Total Haloacetic Acids (HAA5)    SEE set annual average    Image: Set annual average    Image: Set annual average      Total Haloacetic Acids (HAA5)    Set annual average    Image: Set annual average    Image: Set annual average      Terbufos    Image: Set annual average    Image: Set annual average    Image: Set annual average      Terbufos    Image: Set annual average    Image: Set annual average    Image: Set annual average      Terbufos    Image: Set annual average    Image: Set annual average    Image: Set annual average      Terbufos    Image: Set annual average    Image: Set annual average    Image: Set annual average					
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Diuron    Image: Constraint of the system o					
Glyphosate    Image: Constraint of the second seco					
Heptachlor + Heptachlor Epoxide					
Lindane (Total)    Image: Constraint of the system of the					
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2,4,6-Trichlorophenol    2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)    Trifluralin	Triallate				
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Trifluralin	2,4,6-Trichlorophenol				
	2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)				
Vinyl Chloride	Trifluralin				
	Vinyl Chloride				

Paran	neter	Result Value	Unit of Measure	Date of Sample
		<u>THM</u>	HAA5	
ote:	FEB 14 -	25.0	15.2	
	MAY9 -	36.0	23.9	
	AUG 8 -	50.0	26.5	
	NOV 7 -	<u>37.0</u>	22.8	
		37	22.1	

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