

<b>Drinking-Water System Number:</b>	260008284
<b>Drinking-Water System Name:</b>	SAM Drinking Water System
<b>Drinking-Water System Owner:</b>	Municipality of Central Huron
<b>Drinking-Water System Category:</b>	Small Municipal Residential
<b>Period being reported:</b>	January 1 to December 31, 2021

<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 [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;"> <p>Municipal Office</p> <p>23 Albert St. Clinton Ontario</p> <p>Utilities Work Centre</p> <p>17 Park Lane Clinton Ontario</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 <input style="width: 100px; height: 20px;" type="text"/> 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 SAM Drinking Water System is located at 77301 Forest Ridge Road. There is a single drilled groundwater well, approximately 159mm diameter by 59.44m deep, with a submersible well pump.

Treatment consists of sodium hypochlorite disinfection in a 33m of 300 mm contact water main. Sodium silicate is added for iron sequestering.

Storage is provided by 3 hydropneumatic pressure tanks. Standby power is provided by a natural gas powered generator with automatic power transfer.

The distribution system supplies approximately 14 year around residential connections.

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

Sodium hypochlorite  
Sodium silicate

**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**

Replaced chlorine analyzer.

**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
July 20, 2021	Total coliform-POE	2	Count/100ml	Resample and Test	July 29,2021
August 20, 2021	Total coliform -Distribution	1	Count/100ml	Resample and Test	August 30,2021

**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	26	0 - 0	0 - 0	0	
Treated	26	0 - 0	0 - 2	26	0-20
Distribution	26	0 - 0	0 - 1	26	0-20

**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 #)
<u>Turbidity</u> Raw Well	12	0.30-0.74 NTU
<u>Chlorine</u> Treated Distribution	8760 105	0.97-1.88mg/L 0.39-1.53mg/L
Fluoride (If the DWS provides fluoridation)	N/A	

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

**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
None to Report				

**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	Mar 5, 2019	ND	µg/L	no
Arsenic	Oct 26, 2021	8.9	µg/L	no
Barium	Mar 5, 2019	47.3	µg/L	no
Boron	Mar 5, 2019	119	µg/L	no
Cadmium	Mar 5, 2019	0.007	µg/L	no

<b>Chromium</b>	Mar 5, 2019	0.12	µg/L	no
<b>*Lead</b>	See below			no
<b>Mercury</b>	Mar 5, 2019	ND	µg/L	no
<b>Selenium</b>	Mar 5, 2019	ND	µg/L	no
<b>Sodium</b>	Mar 5, 2019	23.1	mg/L	no
<b>Uranium</b>	Mar 5, 2019	0.591	µg/L	no
<b>Fluoride</b>	Mar 5, 2019	1.51	mg/L	no
<b>Nitrite</b>	Oct26, 2021	ND	mg/L	no
<b>Nitrate</b>	Oct26, 2021	ND	mg/L	no

\*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)

<b>Location Type</b>	<b>Number of Samples</b>	<b>Range of Lead Results (min#) – (max #)</b>	<b>Number of Exceedances</b>
<b>Plumbing</b>	<b>0-reduced sampling now in effect</b>		
<b>Distribution</b>	<b>0</b>	<b>0</b>	<b>0</b>

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

<b>Parameter</b>	<b>Sample Date</b>	<b>Result Value</b>	<b>Unit of Measure</b>	<b>Exceedance</b>
<b>Alachlor</b>	Mar 5, 2019	<b>ND</b>	<b>µg/L</b>	no
<b>Atrazine</b>	Mar 5, 2019	<b>ND</b>	<b>µg/L</b>	no
<b>Atrazine + N-dealkylated metabolites</b>	Mar 5, 2019	<b>ND</b>	<b>µg/L</b>	no
<b>Azinphos-methyl</b>	Mar 5, 2019	<b>ND</b>	<b>µg/L</b>	no
<b>Benzene</b>	Mar 5, 2019	<b>ND</b>	<b>µg/L</b>	no
<b>Benzo(a)pyrene</b>	Mar 5, 2019	<b>ND</b>	<b>µg/L</b>	no
<b>Bromoxynil</b>	Mar 5, 2019	<b>ND</b>	<b>µg/L</b>	no
<b>Carbaryl</b>	Mar 5, 2019	<b>ND</b>	<b>µg/L</b>	no
<b>Carbofuran</b>	Mar 5, 2019	<b>ND</b>	<b>µg/L</b>	no
<b>Carbon Tetrachloride</b>	Mar 5, 2019	<b>ND</b>	<b>µg/L</b>	no
<b>Chlorpyrifos</b>	Mar 5, 2019	<b>ND</b>	<b>µg/L</b>	no
<b>Desethyl atrazine</b>	Mar 5, 2019	<b>ND</b>	<b>µg/L</b>	no
<b>Diazinon</b>	Mar 5, 2019	<b>ND</b>	<b>µg/L</b>	no

Dicamba	Mar 5, 2019	ND	µg/L	no
1,2-Dichlorobenzene	Mar 5, 2019	ND	µg/L	no
1,4-Dichlorobenzene	Mar 5, 2019	ND	µg/L	no
1,2-Dichloroethane	Mar 5, 2019	ND	µg/L	no
1,1-Dichloroethylene (vinylidene chloride)	Mar 5, 2019	ND	µg/L	no
Dichloromethane	Mar 5, 2019	ND	µg/L	no
2,4 Dichlorophenol	Mar 5, 2019	ND	µg/L	no
2,4-Dichlorophenoxy acetic acid (2,4-D)	Mar 5, 2019	ND	µg/L	no
Diclofop-methyl	Mar 5, 2019	ND	µg/L	no
Dimethoate	Mar 5, 2019	ND	µg/L	no
Diquat	Mar 5, 2019	ND	µg/L	no
Diuron	Mar 5, 2019	ND	µg/L	no
Glyphosate	Mar 5, 2019	ND	µg/L	no
Malathion	Mar 5, 2019	ND	µg/L	no
Metolachlor	Mar 5, 2019	ND	µg/L	no
Metribuzin	Mar 5, 2019	ND	µg/L	no
Monochlorobenzene	Mar 5, 2019	ND	µg/L	no
Paraquat	Mar 5, 2019	ND	µg/L	no
Pentachlorophenol	Mar 5, 2019	ND	µg/L	no
Phorate	Mar 5, 2019	ND	µg/L	no
Picloram	Mar 5, 2019	ND	µg/L	no
Polychlorinated Biphenyls(PCB)	Mar 5, 2019	ND	µg/L	no
Prometryne	Mar 5, 2019	ND	µg/L	no
Simazine	Mar 5, 2019	ND	µg/L	no
THM (annual average)	2021	7.7	µg/L	no
Terbufos	Mar 5, 2019	ND	µg/L	no
Tetrachloroethylene	Mar 5, 2019	ND	µg/L	no
2,3,4,6-Tetrachlorophenol	Mar 5, 2019	ND	µg/L	no
Triallate	Mar 5, 2019	ND	µg/L	no
Trichloroethylene	Mar 5, 2019	ND	µg/L	no
2,4,6-Trichlorophenol	Mar 5, 2019	ND	µg/L	no
Trifluralin	Mar 5, 2019	ND	µg/L	no
Vinyl Chloride	Mar 5, 2019	ND	µg/L	no

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>
<b>Flouride</b>	<b>1.08</b>	<b>mg/L</b>	<b>Mar 5, 2019</b>
<b>Arsenic</b>	<b>9.8</b>	<b>ug/L</b>	<b>Jan 26, 2021</b>
<b>Arsenic</b>	<b>8.0</b>	<b>ug/L</b>	<b>Apr 13, 2021</b>
<b>Arsenic</b>	<b>7.9</b>	<b>ug/L</b>	<b>July 27, 2021</b>
<b>Arsenic</b>	<b>8.9</b>	<b>ug/L</b>	<b>Oct 26, 2021</b>