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| Drinking-Water System Number: | 260005281 |
| Drinking-Water System Name: | Auburn Drinking Water System |
| Drinking-Water System Owner: | Municipality of Central Huron |
| Drinking-Water System Category: | Small Municipal Residential |
| Period being reported: | January 1 to December 31, 2024 |

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| <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> <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><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 <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 Auburn Drinking Water System went on line in April 2009. It consists of 35m deep, 150mm diameter drilled groundwater well with pump rated at 151 L/min and 3 pressure tanks. Primary disinfection consists of sodium hypochlorite disinfection through a 48m x 300mm contact watermain. Iron sequestering is achieved by addition of sodium silicate. A 30 kW generator with automatic transfer switch provides backup power. The distribution system supplies a small number of customers, including the United Church and Community Hall. It has 2 blow offs and no hydrants.

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

None to report

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 |
|----------------|-----------|--------|-----------------|-------------------|------------------------|
| None to report | | | | | |



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 | 27 | 0 - 0 | 0 - 0 | 0 | |
| Treated | 27 | 0 - 0 | 0 - 0 | 27 | 0-20 |
| Distribution | 27 | 0 - 0 | 0 - 0 | 27 | 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 | 17 | 0.18-0.72 NTU |
| <u>Chlorine</u> Treated Distribution | 8760 105 | 0.78-2.08mg/L 0.91-1.58mg/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, 2024 | ND | µg/L | no |
| Arsenic | Oct 22, 2024 | 6.7 | µg/L | no |
| Barium | Mar 5, 2024 | 180 | µg/L | no |
| Boron | Mar 5, 2024 | 28 | µg/L | no |
| Cadmium | Mar 5, 2024 | 0.003 | µg/L | no |
| Chromium | Mar 5, 2024 | 0.08 | µg/L | no |
| *Lead | See below | | | no |

| | | | | |
|----------|--------------|------|------|----|
| Mercury | Mar 5, 2024 | ND | µg/L | no |
| Selenium | Mar 5, 2024 | ND | µg/L | no |
| Sodium | Mar 5, 2024 | 13.5 | mg/L | no |
| Uranium | Mar 5, 2024 | 1.27 | µg/L | no |
| Fluoride | Mar 5, 2024 | 1.18 | mg/L | no |
| Nitrite | Oct 22, 2024 | ND | mg/L | no |
| Nitrate | Oct 22, 2024 | 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)

| Location Type | Number of Samples | Range of Lead Results (min#) – (max #) | Number of Exceedances |
|---------------|---|--|-----------------------|
| Plumbing | 0-reduced sampling now in effect | | |
| Distribution | 1 | 0.67 µg/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 | Mar 5, 2024 | ND | µg/L | no |
| Atrazine | Mar 5, 2024 | ND | µg/L | no |
| Atrazine + N-dealkylated metabolites | Mar 5, 2024 | ND | µg/L | no |
| Azinphos-methyl | Mar 5, 2024 | ND | µg/L | no |
| Benzene | Mar 5, 2024 | ND | µg/L | no |
| Benzo(a)pyrene | Mar 5, 2024 | ND | µg/L | no |
| Bromoxynil | Mar 5, 2024 | ND | µg/L | no |
| Carbaryl | Mar 5, 2024 | ND | µg/L | no |
| Carbofuran | Mar 5, 2024 | ND | µg/L | no |
| Carbon Tetrachloride | Mar 5, 2024 | ND | µg/L | no |
| Chlorpyrifos | Mar 5, 2024 | ND | µg/L | no |
| Desethyl atrazine | Mar 5, 2024 | ND | µg/L | no |
| Diazinon | Mar 5, 2024 | ND | µg/L | no |
| Dicamba | Mar 5, 2024 | ND | µg/L | no |
| 1,2-Dichlorobenzene | Mar 5, 2024 | ND | µg/L | no |
| 1,4-Dichlorobenzene | Mar 5, 2024 | ND | µg/L | no |



| | | | | |
|---|-------------|------|------|----|
| 1,2-Dichloroethane | Mar 5, 2024 | ND | µg/L | no |
| 1,1-Dichloroethylene (vinylidene chloride) | Mar 5, 2024 | ND | µg/L | no |
| Dichloromethane | Mar 5, 2024 | ND | µg/L | no |
| 2,4 Dichlorophenol | Mar 5, 2024 | ND | µg/L | no |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) | Mar 5, 2024 | ND | µg/L | no |
| Diclofop-methyl | Mar 5, 2024 | ND | µg/L | no |
| Dimethoate | Mar 5, 2024 | ND | µg/L | no |
| Diquat | Mar 5, 2024 | ND | µg/L | no |
| Diuron | Mar 5, 2024 | ND | µg/L | no |
| Glyphosate | Mar 5, 2024 | ND | µg/L | no |
| Malathion | Mar 5, 2024 | ND | µg/L | no |
| MCPA | Mar 5, 2024 | ND | mg/L | no |
| Metolachlor | Mar 5, 2024 | ND | µg/L | no |
| Metribuzin | Mar 5, 2024 | ND | µg/L | no |
| Monochlorobenzene | Mar 5, 2024 | ND | µg/L | no |
| Paraquat | Mar 5, 2024 | ND | µg/L | no |
| Pentachlorophenol | Mar 5, 2024 | ND | µg/L | no |
| Phorate | Mar 5, 2024 | ND | µg/L | no |
| Picloram | Mar 5, 2024 | ND | µg/L | no |
| Polychlorinated Biphenyls(PCB) | Mar 5, 2024 | ND | µg/L | no |
| Prometryne | Mar 5, 2024 | ND | µg/L | no |
| Simazine | Mar 5, 2024 | ND | µg/L | no |
| THM (annual average) | 2024 | 12.3 | µg/L | no |
| Terbufos | Mar 5, 2024 | ND | µg/L | no |
| Tetrachloroethylene | Mar 5, 2024 | ND | µg/L | no |
| 2,3,4,6-Tetrachlorophenol | Mar 5, 2024 | ND | µg/L | no |
| Triallate | Mar 5, 2024 | ND | µg/L | no |
| Trichloroethylene | Mar 5, 2024 | ND | µg/L | no |
| 2,4,6-Trichlorophenol | Mar 5, 2024 | ND | µg/L | no |
| Trifluralin | Mar 5, 2024 | ND | µg/L | no |
| Vinyl Chloride | Mar 5, 2024 | 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.

| Parameter | Result Value | Unit of Measure | Date of Sample |
|------------------|---------------------|------------------------|-----------------------|
| Flouride | 1.18 | mg/L | Mar 5,2024 |
| Arsenic | 7.7 | ug/L | Jan 23, 2024 |
| Arsenic | 7.7 | ug/L | Apr 23, 2024 |
| Arsenic | 6.8 | ug/L | Jul 30, 2024 |
| Arsenic | 6.7 | ug/L | Oct 22, 2024 |