



2024

Water Quality Report

For

The City of Stratford

Water Distribution and Supply

Infrastructure Services

February 28, 2025



Infrastructure
Services Department
82 Erie Street, 3rd Floor
Stratford ON N5A 2M4
(519) 271-0250 Ext. 222
www.stratford.ca

February 28, 2025

Dear Water Consumer,

The Water Division is pleased to provide the 2024 Annual Water Quality Report for the City of Stratford Distribution and Supply water system.

The report, as required by Regulation 170/03 of the Safe Drinking Water Act, contains information related to water quality in the City of Stratford.

The report must be made available annually by February 28 and can be found on the City of Stratford website at:

<https://www.stratford.ca/en/live-here/waterannualreports.aspx>

If you have any questions or would like copies of the report, please call 519-271-0250 ext. 5222 or the report can be viewed at the Infrastructure Services Department, City Annex, 82 Erie Street, 3rd Floor, Stratford.

Yours truly,

A handwritten signature in black ink, appearing to read 'S Beech'.

Sean Beech
Manager of Environmental Services

Annual Report

Drinking-Water System Number: 220000530
Drinking-Water System Name: Stratford Drinking Water System
Drinking-Water System Owner: Corporation of the City of Stratford
Drinking-Water System Category: Large Municipal Residential
Period Being Reported: January 1 to December 31, 2024

Does your Drinking-Water System serve more than 10,000 people?

Yes

Is your annual report available to the public at no charge on a website?

Yes

**Location where Summary Report required under O. Reg. 170/03
Schedule 22 will be available for inspection:**

On-line at: <https://www.stratford.ca/en/live-here/waterannualreports.aspx>, or contact the City of Stratford Infrastructure Services, Water Division at 519-271-0250, extension 5222.

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
N/A	N/A

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?

N/A

Indicate how you notified system users that your annual report is available, and is free of charge:

- Public access/notice via the web: Yes
- Public access/notice via Government Website: Yes
- Public access/notice via a newspaper: No
- Public access/notice via Public Request: Yes
- Public access/notice via a Public Library: No

- Public access/notice via other method: Yes, Social Media

Describe Your Drinking-Water System:

- **Chestnut Street Well and Pumphouse:** Raw water is pumped with one submersible well pump directly into a 131.5m³ raw water reservoir (chlorine contact chamber). As flow enters the raw water reservoir (chlorine contact chamber) it is injected with chlorine gas for primary disinfection, where it then flows into to a 59m³ highlift pump well to achieve sufficient chlorine contact time. Treated water is then distributed to the distribution system by one vertical turbine highlift pump. Free Chlorine Analyzer continuously monitors chlorine residuals prior to the distribution system. The facility is monitored through the SCADA system. During regular working hours the facility monitored by operational staff and remotely through an emergency after-hours alarming system.
- **Mornington Street Well and Pumphouse:** Raw water is pumped with one submersible well pump directly into a 50m³ raw water reservoir. As flow enters the raw water reservoir is it injected with chlorine gas for primary disinfection, where it then flows into to a 118.3m³ clear well to achieve sufficient chlorine contact time. Treated water is then distributed to the distribution system by one vertical turbine highlift pump. Free Chlorine Analyzer continuously monitors chlorine residuals prior to the distribution system. The facility is monitored through the SCADA system. During regular working hours the facility monitored by operational staff and remotely through an emergency after-hours alarming system.
- **Lorne Avenue Well and Pumphouse:** Raw water is pumped with one submersible well pump directly into a 30m³ concrete pressure chamber which also acts as the chlorine contact chamber. Prior to flow entering the concrete pressure chamber is it injected with chlorine gas for primary disinfection. To achieve sufficient chlorine, contact time the concrete pressure chamber is equipped with two internal and external perforated baffles. Treated water is then distributed to the distribution system through a gate valve and a connection to the existing watermain. Free Chlorine Analyzer continuously monitors chlorine residuals prior to the distribution system. The facility is monitored through the SCADA system. During regular working hours the facility monitored by operational staff and remotely through an emergency after-hours alarming system. This site has no emergency standby power on-site but is equipped with a main power electrical transfer switch and connection for use of a 15kW portable generator available for standby power at 161 Wellington Street in emergency conditions.
- **Dunn Road Well and Pumphouse:** Raw water is pumped with one submersible well pump directly into a 89.5m³ concrete pressure chamber which also acts as the chlorine contact chamber. Prior to flow entering the concrete pressure chamber is it injected with chlorine gas for primary disinfection. To achieve sufficient chlorine, contact time the concrete pressure chamber is equipped with three internal

perforated baffles. Treated water is then distributed to the distribution system through a gate valve and a connection to the existing watermain. Free Chlorine Analyzer continuously monitors chlorine residuals prior to the distribution system. The facility is monitored through the SCADA system. During regular working hours the facility monitored by operational staff and remotely through an emergency after-hours alarming system. This site has no emergency standby power on-site but is equipped with a main power electrical transfer switch and connection for use of a 15kW portable generator available for standby power at 161 Wellington Street in emergency conditions.

- **O’Loane Avenue Well and Pumphouse:** Raw water is pumped with one submersible well pump directly into a 54.2m³ concrete pressure chamber which also acts as the chlorine contact chamber. Prior to flow entering the concrete pressure chamber is it injected with chlorine gas for primary disinfection. The concrete pressure chamber provides sufficient chlorine contact time. Treated water is then distributed to the distribution system through a gate valve and a connection to the existing watermain. Free Chlorine Analyzer continuously monitors chlorine residuals prior to the distribution system. The facility is monitored through the SCADA system. During regular working hours the facility monitored by operational staff and remotely through an emergency after-hours alarming system.
- **Romeo Street Pumping Station:** Raw water is received from 6 Raw Water Field Wells; each field well is equipped with submersible pumps. Flows are then pumped directly into a 450.2m³ treatment well which then flows a 7,500m³ inground storage reservoir for chlorine contact time. Prior to flow entering the treatment well is it injected with chlorine gas for primary disinfection. For additional chlorine contact time, Flow continues into a 521.8m³ storage well followed by a 289.4m³ pump well, all of which provide sufficient contact time. The well water at Romeo Street Pumping Station has iron levels higher than what is considered aesthetically acceptable. The well house provides chemically assisted iron sequestering; the chemical used is sodium silicate. Sodium silicate is fed prior to the point of entry to the treatment well.

Treated water is then distributed to the distribution system by three vertical turbine highlift pump and one vertical turbine fire pump. Free Chlorine Analyzers continuously monitors chlorine residuals prior to the distribution system. The facility is monitored through the SCADA system. During regular working hours the facility monitored by operational staff and remotely through an emergency after-hours alarming system. This is standby power provided but a 600-kW diesel generator.

- **The City of Stratford Distribution System** consists of 203km of cast iron, ductile, steel and PVC water main, varying in size from 100mm to 400mm. It includes 1850 main valves, 940 public fire hydrants and 12,650 service connections. There are two water towers located in the distribution system that

provide both storage and pressure stability. The Dufferin Water Tower has a capacity of 3,790m³ and is equipped with an analyzer for continuous monitoring of the level of chlorine. The Forman Water Tower has a capacity of 5,680m³.

List all water treatment chemicals used over this reporting period:

Chlorine Gas & Sodium Silicate (Sodium Silicate only used at Romeo Street Pumping Station).

Were any significant expenses incurred to:

- Install required equipment? Yes
- Repair required equipment? Yes
- Replace required equipment? Yes

Please provide a brief description and a breakdown of monetary expenses incurred in 2024:

1. Bulk Water Station
 - a. Replacement of bulk water station at Romeo Control Center.
 - b. **Total Cost: \$21,000**

2. Romeo Chlorine Injector
 - a. Replacement of chlorine treatment system.
 - b. **Total Cost: \$30,500**

3. External Dufferin Tower Cleaning
 - a. Completed by Landmark Municipal Services
 - b. **Total Cost: \$17,500**

4. External Forman Tower Cleaning
 - a. Completed by Landmark Municipal Services
 - b. **Total Cost: \$16,500**

5. 2024 Capital Projects
 - a. Sampling Stations
 - i. **Total Cost to Date (Water Related): \$5,168**
 - b. Dunn Well Rehabilitation
 - i. **Total Cost to Date (Water Related): \$121,000**

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 (Y/M/D)	Parameter	Result	Units	Corrective Action	Corrective Action Date (Y/M/D)
2024/12/20	Total Coliform	1	cfu/100mL	Resampled Source, up/down stream - Passed	2024/12/21

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period:

Water Source	Number of Samples	Range of E.Coli Or Fecal Results (cfu/100mL)	Range of Total Coliform Results (cfu/100mL)	Number of HPC Samples	Range of HPC Results (cfu/100mL)
Raw	562	0	0 - 37	562	<10 - 230
Treated	297	0	0	297	<10 - 20
Distribution	577	0	0 - 1	577	<10 - 680

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

Operational Testing	Number of Grab Samples	Range of Results
Turbidity (Raw)	1488	0.06 – 0.99 NTU
Chlorine	>8760	0.00 – 5.25
Fluoride (If the DWS provides fluoridation)	DWS does not provide fluoridation.	DWS does not provide fluoridation.

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
N/A	N/A	N/A	N/A	N/A

Not applicable; no additional testing or sampling required.

Summary of Inorganic parameters tested during this reporting period or the most recent sample results (Note: ND=Below Method Detection Limit)

**There is no health related limit set for sodium, however, levels of greater than 20 mg/L are reported to the Public Health Department and Ministry of the Environment and Climate Change every five years.*

Chestnut Street Well and Pumphouse

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	16/09/24	ND	ug/L	NO
Arsenic	16/09/24	0.5	ug/L	NO
Barium	16/09/24	183	ug/L	NO
Boron	16/09/24	102	ug/L	NO
Cadmium	16/09/24	ND	ug/L	NO
Chromium	16/09/24	0.12	ug/L	NO
Mercury	16/09/24	ND	ug/L	NO
Selenium	16/09/24	ND	ug/L	NO
Sodium	16/09/24	24.8	mg/L	YES >20mg/L*
Uranium	16/09/24	0.083	ug/L	NO
Fluoride	16/09/24	2.19	mg/L	YES >1.5mg/L
Nitrite	14/03/24	ND	mg/L	NO
Nitrite	18/06/24	ND	mg/L	NO
Nitrite	16/09/24	ND	mg/L	NO
Nitrite	11/12/24	ND	mg/L	NO
Nitrate	14/03/24	ND	mg/L	NO
Nitrate	18/06/24	ND	mg/L	NO
Nitrate	16/09/24	ND	mg/L	NO
Nitrate	11/12/24	ND	mg/L	NO

Mornington Street Well and Pumphouse

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	16/09/24	ND	ug/L	NO
Arsenic	16/09/24	0.3	ug/L	NO
Barium	16/09/24	108	ug/L	NO
Boron	16/09/24	90	ug/L	NO
Cadmium	16/09/24	ND	ug/L	NO
Chromium	16/09/24	0.19	ug/L	NO
Mercury	16/09/24	ND	ug/L	NO
Selenium	16/09/24	ND	ug/L	NO
Sodium	16/09/24	24.2	mg/L	YES >20mg/L*
Uranium	16/09/24	0.089	ug/L	NO
Fluoride	16/09/24	2.36	mg/L	YES >1.5mg/L
Nitrite	14/03/24	ND	mg/L	NO
Nitrite	18/06/24	ND	mg/L	NO
Nitrite	14/09/23	ND	mg/L	NO
Nitrite	11/12/24	ND	mg/L	NO
Nitrate	14/03/24	ND	mg/L	NO
Nitrate	18/06/24	ND	mg/L	NO
Nitrate	14/09/23	ND	mg/L	NO
Nitrate	11/12/24	ND	mg/L	NO

Lorne Avenue Well and Pumphouse

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	16/09/24	ND	ug/L	NO
Arsenic	16/09/24	0.3	ug/L	NO
Barium	16/09/24	108	ug/L	NO
Boron	16/09/24	90	ug/L	NO
Cadmium	16/09/24	ND	ug/L	NO
Chromium	16/09/24	0.19	ug/L	NO
Mercury	16/09/24	ND	ug/L	NO
Selenium	16/09/24	ND	ug/L	NO
Sodium	16/09/24	24.2	mg/L	YES >20mg/L*
Uranium	16/09/24	0.089	ug/L	NO
Fluoride	16/09/24	2.36	mg/L	YES >1.5mg/L
Nitrite	14/03/24	ND	mg/L	NO
Nitrite	18/06/24	ND	mg/L	NO
Nitrite	16/09/24	ND	mg/L	NO
Nitrite	11/12/24	ND	mg/L	NO
Nitrate	14/03/24	ND	mg/L	NO
Nitrate	18/06/24	ND	mg/L	NO
Nitrate	16/09/24	ND	mg/L	NO
Nitrate	11/12/24	ND	mg/L	NO

Dunn Road Well and Pumphouse

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	16/09/24	ND	ug/L	NO
Arsenic	16/09/24	1.1	ug/L	NO
Barium	16/09/24	182	ug/L	NO
Boron	16/09/24	86	ug/L	NO
Cadmium	16/09/24	ND	ug/L	NO
Chromium	16/09/24	0.17	ug/L	NO
Mercury	16/09/24	ND	ug/L	NO
Selenium	16/09/24	0.05	ug/L	NO
Sodium	16/09/24	18.6	mg/L	NO
Uranium	16/09/24	0.159	ug/L	NO
Fluoride	16/09/24	1.73	mg/L	YES >1.5mg/L
Nitrite	14/03/24	ND	mg/L	NO
Nitrite	24/06/24	0.019	mg/L	NO
Nitrite	16/09/24	ND	mg/L	NO
Nitrite	11/12/24	ND	mg/L	NO
Nitrate	14/03/24	ND	mg/L	NO
Nitrate	24/06/24	ND	mg/L	NO
Nitrate	16/09/24	ND	mg/L	NO
Nitrate	11/12/24	ND	mg/L	NO

O'Loane Avenue Well and Pumphouse

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	16/09/24	ND	ug/L	NO
Arsenic	16/09/24	ND	ug/L	NO
Barium	16/09/24	235	ug/L	NO
Boron	16/09/24	61	ug/L	NO
Cadmium	16/09/24	ND	ug/L	NO
Chromium	16/09/24	0.12	ug/L	NO
Mercury	16/09/24	ND	ug/L	NO
Selenium	16/09/24	ND	ug/L	NO
Sodium	16/09/24	18.6	mg/L	NO
Uranium	16/09/24	0.078	ug/L	NO
Fluoride	16/09/24	2.15	mg/L	YES >1.5mg/L
Nitrite	14/03/24	ND	mg/L	NO
Nitrite	18/06/24	ND	mg/L	NO
Nitrite	16/09/24	ND	mg/L	NO
Nitrite	11/12/24	ND	mg/L	NO
Nitrate	14/03/24	0.129	mg/L	NO
Nitrate	18/06/24	ND	mg/L	NO
Nitrate	16/09/24	ND	mg/L	NO
Nitrate	11/12/24	ND	mg/L	NO

Romeo Street Pumping Station

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	16/09/24	ND	ug/L	NO
Arsenic	16/09/24	ND	ug/L	NO
Barium	16/09/24	235	ug/L	NO
Boron	16/09/24	61	ug/L	NO
Cadmium	16/09/24	ND	ug/L	NO
Chromium	16/09/24	0.12	ug/L	NO
Mercury	16/09/24	ND	ug/L	NO
Selenium	16/09/24	ND	ug/L	NO
Sodium	16/09/24	18.6	mg/L	NO
Uranium	16/09/24	0.078	ug/L	NO
Fluoride	16/09/24	2.15	mg/L	YES >1.5mg/L
Nitrite	14/03/24	ND	mg/L	NO
Nitrite	18/06/24	ND	mg/L	NO
Nitrite	16/09/24	ND	mg/L	NO
Nitrite	11/12/24	ND	mg/L	NO
Nitrate	14/03/24	ND	mg/L	NO
Nitrate	18/06/24	ND	mg/L	NO
Nitrate	16/09/24	0.034	mg/L	NO
Nitrate	11/12/24	ND	mg/L	NO

Distribution System

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Lead (Forman Tower)	16/09/24	ND	ug/L	NO
Lead (Dufferin Tower)	16/09/24	0.01	ug/L	NO

Summary of lead testing under Schedule 15.1 during this reporting period

Location Type*	Number of Samples	Range of Lead Results (min# – max #) (ug/L)	Number of Exceedances
Distribution (Winter)	8	0.01 – 0.51	0
Distribution (Summer)	8	0.01 – 0.67	0

**The City of Stratford qualifies for reduced sampling/plumbing exempt. Next lead testing will be conducted in 2027.*

**Summary of Organic parameters sampled during this reporting period
or the most recent sample results** (Note: ND=Below Method Detection Limit)

Chestnut Street Well and Pumphouse

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	16/09/24	ND	ug/L	NO
Atrazine + N-dealkylated metabolites	16/09/24	ND	ug/L	NO
Atrazine	16/09/24	ND	ug/L	NO
Desethyl atrazine	16/09/24	ND	ug/L	NO
Azinphos-methyl	16/09/24	ND	ug/L	NO
Benzene	16/09/24	ND	ug/L	NO
Benzo(a)pyrene	16/09/24	ND	ug/L	NO
Bromoxynil	16/09/24	ND	ug/L	NO
Carbaryl	16/09/24	ND	ug/L	NO
Carbofuran	16/09/24	ND	ug/L	NO
Carbon Tetrachloride	16/09/24	ND	ug/L	NO
Chlorpyrifos	16/09/24	ND	ug/L	NO
Diazinon	16/09/24	ND	ug/L	NO
Dicamba	16/09/24	ND	ug/L	NO
1,2-Dichlorobenzene	16/09/24	ND	ug/L	NO
1,4-Dichlorobenzene	16/09/24	ND	ug/L	NO
1,2-Dichloroethane	16/09/24	ND	ug/L	NO
1,1-Dichloroethylene (vinylidene chloride)	16/09/24	ND	ug/L	NO
Dichloromethane	16/09/24	ND	ug/L	NO
2-4 Dichlorophenol	16/09/24	ND	ug/L	NO
2,4-Dichlorophenoxy acetic acid (2,4-D)	16/09/24	ND	ug/L	NO
Diclofop-methyl	16/09/24	ND	ug/L	NO
Dimethoate	16/09/24	ND	ug/L	NO
Diquat	16/09/24	ND	ug/L	NO
Diuron	16/09/24	ND	ug/L	NO
Glyphosate	16/09/24	ND	ug/L	NO
Malathion	16/09/24	ND	ug/L	NO
MCPA	16/09/24	ND	mg/L	NO
Metolachlor	16/09/24	ND	ug/L	NO
Metribuzin	16/09/24	ND	ug/L	NO
Monochlorobenzene	16/09/24	ND	ug/L	NO
Paraquat	16/09/24	ND	ug/L	NO
Pentachlorophenol	16/09/24	ND	ug/L	NO
Phorate	16/09/24	ND	ug/L	NO
Picloram	16/09/24	ND	ug/L	NO



Polychlorinated Biphenyls(PCB)	16/09/24	ND	ug/L	NO
Prometryne	16/09/24	ND	ug/L	NO
Simazine	16/09/24	ND	ug/L	NO
Terbufos	16/09/24	ND	ug/L	NO
Tetrachloroethylene	16/09/24	ND	ug/L	NO
2,3,4,6-Tetrachlorophenol	16/09/24	ND	ug/L	NO
Triallate	16/09/24	ND	ug/L	NO
Trichloroethylene	16/09/24	ND	ug/L	NO
2,4,6-Trichlorophenol	16/09/24	ND	ug/L	NO
Trifluralin	16/09/24	ND	ug/L	NO
Vinyl Chloride	16/09/24	ND	ug/L	NO

Mornington Street Well and Pumphouse

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	16/09/24	ND	ug/L	NO
Atrazine + N-dealkylated metabolites	16/09/24	ND	ug/L	NO
Atrazine	16/09/24	ND	ug/L	NO
Desethyl atrazine	16/09/24	ND	ug/L	NO
Azinphos-methyl	16/09/24	ND	ug/L	NO
Benzene	16/09/24	ND	ug/L	NO
Benzo(a)pyrene	16/09/24	ND	ug/L	NO
Bromoxynil	16/09/24	ND	ug/L	NO
Carbaryl	16/09/24	ND	ug/L	NO
Carbofuran	16/09/24	ND	ug/L	NO
Carbon Tetrachloride	16/09/24	ND	ug/L	NO
Chlorpyrifos	16/09/24	ND	ug/L	NO
Diazinon	16/09/24	ND	ug/L	NO
Dicamba	16/09/24	ND	ug/L	NO
1,2-Dichlorobenzene	16/09/24	ND	ug/L	NO
1,4-Dichlorobenzene	16/09/24	ND	ug/L	NO
1,2-Dichloroethane	16/09/24	ND	ug/L	NO
1,1-Dichloroethylene (vinylidene chloride)	16/09/24	ND	ug/L	NO
Dichloromethane	16/09/24	ND	ug/L	NO
2-4 Dichlorophenol	16/09/24	ND	ug/L	NO
2,4-Dichlorophenoxy acetic acid (2,4-D)	16/09/24	ND	ug/L	NO
Diclofop-methyl	16/09/24	ND	ug/L	NO
Dimethoate	16/09/24	ND	ug/L	NO
Diquat	16/09/24	ND	ug/L	NO



Diuron	16/09/24	ND	ug/L	NO
Glyphosate	16/09/24	ND	ug/L	NO
Malathion	16/09/24	ND	ug/L	NO
MCPA	16/09/24	ND	mg/L	NO
Metolachlor	16/09/24	ND	ug/L	NO
Metribuzin	16/09/24	ND	ug/L	NO
Monochlorobenzene	16/09/24	ND	ug/L	NO
Paraquat	16/09/24	ND	ug/L	NO
Pentachlorophenol	16/09/24	ND	ug/L	NO
Phorate	16/09/24	ND	ug/L	NO
Picloram	16/09/24	ND	ug/L	NO
Polychlorinated Biphenyls(PCB)	16/09/24	ND	ug/L	NO
Prometryne	16/09/24	ND	ug/L	NO
Simazine	16/09/24	ND	ug/L	NO
Terbufos	16/09/24	ND	ug/L	NO
Tetrachloroethylene	16/09/24	ND	ug/L	NO
2,3,4,6-Tetrachlorophenol	16/09/24	ND	ug/L	NO
Triallate	16/09/24	ND	ug/L	NO
Trichloroethylene	16/09/24	ND	ug/L	NO
2,4,6-Trichlorophenol	16/09/24	ND	ug/L	NO
Trifluralin	16/09/24	ND	ug/L	NO
Vinyl Chloride	16/09/24	ND	ug/L	NO

Lorne Avenue Well and Pumphouse

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	16/09/24	ND	ug/L	NO
Atrazine + N-dealkylated metabolites	16/09/24	ND	ug/L	NO
Atrazine	16/09/24	ND	ug/L	NO
Desethyl atrazine	16/09/24	ND	ug/L	NO
Azinphos-methyl	16/09/24	ND	ug/L	NO
Benzene	16/09/24	ND	ug/L	NO
Benzo(a)pyrene	16/09/24	ND	ug/L	NO
Bromoxynil	16/09/24	ND	ug/L	NO
Carbaryl	16/09/24	ND	ug/L	NO
Carbofuran	16/09/24	ND	ug/L	NO
Carbon Tetrachloride	16/09/24	ND	ug/L	NO
Chlorpyrifos	16/09/24	ND	ug/L	NO
Diazinon	16/09/24	ND	ug/L	NO
Dicamba	16/09/24	ND	ug/L	NO
1,2-Dichlorobenzene	16/09/24	ND	ug/L	NO

1,4-Dichlorobenzene	16/09/24	ND	ug/L	NO
1,2-Dichloroethane	16/09/24	ND	ug/L	NO
1,1-Dichloroethylene (vinylidene chloride)	16/09/24	ND	ug/L	NO
Dichloromethane	16/09/24	ND	ug/L	NO
2-4 Dichlorophenol	16/09/24	ND	ug/L	NO
2,4-Dichlorophenoxy acetic acid (2,4-D)	16/09/24	ND	ug/L	NO
Diclofop-methyl	16/09/24	ND	ug/L	NO
Dimethoate	16/09/24	ND	ug/L	NO
Diquat	16/09/24	ND	ug/L	NO
Diuron	16/09/24	ND	ug/L	NO
Glyphosate	16/09/24	ND	ug/L	NO
Malathion	16/09/24	ND	ug/L	NO
MCPA	16/09/24	ND	mg/L	NO
Metolachlor	16/09/24	ND	ug/L	NO
Metribuzin	16/09/24	ND	ug/L	NO
Monochlorobenzene	16/09/24	ND	ug/L	NO
Paraquat	16/09/24	ND	ug/L	NO
Pentachlorophenol	16/09/24	ND	ug/L	NO
Phorate	16/09/24	ND	ug/L	NO
Picloram	16/09/24	ND	ug/L	NO
Polychlorinated Biphenyls(PCB)	16/09/24	ND	ug/L	NO
Prometryne	16/09/24	ND	ug/L	NO
Simazine	16/09/24	ND	ug/L	NO
Terbufos	16/09/24	ND	ug/L	NO
Tetrachloroethylene	16/09/24	ND	ug/L	NO
2,3,4,6-Tetrachlorophenol	16/09/24	ND	ug/L	NO
Triallate	16/09/24	ND	ug/L	NO
Trichloroethylene	16/09/24	ND	ug/L	NO
2,4,6-Trichlorophenol	16/09/24	ND	ug/L	NO
Trifluralin	16/09/24	ND	ug/L	NO
Vinyl Chloride	16/09/24	ND	ug/L	NO

Dunn Road Well and Pumphouse

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	16/09/24	ND	ug/L	NO
Atrazine + N-dealkylated metabolites	16/09/24	ND	ug/L	NO
Atrazine	16/09/24	ND	ug/L	NO
Desethyl atrazine	16/09/24	ND	ug/L	NO

Azinphos-methyl	16/09/24	ND	ug/L	NO
Benzene	16/09/24	ND	ug/L	NO
Benzo(a)pyrene	16/09/24	ND	ug/L	NO
Bromoxynil	16/09/24	ND	ug/L	NO
Carbaryl	16/09/24	ND	ug/L	NO
Carbofuran	16/09/24	ND	ug/L	NO
Carbon Tetrachloride	16/09/24	ND	ug/L	NO
Chlorpyrifos	16/09/24	ND	ug/L	NO
Diazinon	16/09/24	ND	ug/L	NO
Dicamba	16/09/24	ND	ug/L	NO
1,2-Dichlorobenzene	16/09/24	ND	ug/L	NO
1,4-Dichlorobenzene	16/09/24	ND	ug/L	NO
1,2-Dichloroethane	16/09/24	ND	ug/L	NO
1,1-Dichloroethylene (vinylidene chloride)	16/09/24	ND	ug/L	NO
Dichloromethane	16/09/24	ND	ug/L	NO
2-4 Dichlorophenol	16/09/24	ND	ug/L	NO
2,4-Dichlorophenoxy acetic acid (2,4-D)	16/09/24	ND	ug/L	NO
Diclofop-methyl	16/09/24	ND	ug/L	NO
Dimethoate	16/09/24	ND	ug/L	NO
Diquat	16/09/24	ND	ug/L	NO
Diuron	16/09/24	ND	ug/L	NO
Glyphosate	16/09/24	ND	ug/L	NO
Malathion	16/09/24	ND	ug/L	NO
MCPA	16/09/24	ND	mg/L	NO
Metolachlor	16/09/24	ND	ug/L	NO
Metribuzin	16/09/24	ND	ug/L	NO
Monochlorobenzene	16/09/24	ND	ug/L	NO
Paraquat	16/09/24	ND	ug/L	NO
Pentachlorophenol	16/09/24	ND	ug/L	NO
Phorate	16/09/24	ND	ug/L	NO
Picloram	16/09/24	ND	ug/L	NO
Polychlorinated Biphenyls(PCB)	16/09/24	ND	ug/L	NO
Prometryne	16/09/24	ND	ug/L	NO
Simazine	16/09/24	ND	ug/L	NO
Terbufos	16/09/24	ND	ug/L	NO
Tetrachloroethylene	16/09/24	ND	ug/L	NO
2,3,4,6-Tetrachlorophenol	16/09/24	ND	ug/L	NO
Triallate	16/09/24	ND	ug/L	NO
Trichloroethylene	16/09/24	ND	ug/L	NO
2,4,6-Trichlorophenol	16/09/24	ND	ug/L	NO

Trifluralin	16/09/24	ND	ug/L	NO
Vinyl Chloride	16/09/24	ND	ug/L	NO

O'Loane Avenue Well and Pumphouse

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	16/09/24	ND	ug/L	NO
Atrazine + N-dealkylated metabolites	16/09/24	ND	ug/L	NO
Atrazine	16/09/24	ND	ug/L	NO
Desethyl atrazine	16/09/24	ND	ug/L	NO
Azinphos-methyl	16/09/24	ND	ug/L	NO
Benzene	16/09/24	ND	ug/L	NO
Benzo(a)pyrene	16/09/24	ND	ug/L	NO
Bromoxynil	16/09/24	ND	ug/L	NO
Carbaryl	16/09/24	ND	ug/L	NO
Carbofuran	16/09/24	ND	ug/L	NO
Carbon Tetrachloride	16/09/24	ND	ug/L	NO
Chlorpyrifos	16/09/24	ND	ug/L	NO
Diazinon	16/09/24	ND	ug/L	NO
Dicamba	16/09/24	ND	ug/L	NO
1,2-Dichlorobenzene	16/09/24	ND	ug/L	NO
1,4-Dichlorobenzene	16/09/24	ND	ug/L	NO
1,2-Dichloroethane	16/09/24	ND	ug/L	NO
1,1-Dichloroethylene (vinylidene chloride)	16/09/24	ND	ug/L	NO
Dichloromethane	16/09/24	ND	ug/L	NO
2-4 Dichlorophenol	16/09/24	ND	ug/L	NO
2,4-Dichlorophenoxy acetic acid (2,4-D)	16/09/24	ND	ug/L	NO
Diclofop-methyl	16/09/24	ND	ug/L	NO
Dimethoate	16/09/24	ND	ug/L	NO
Diquat	16/09/24	ND	ug/L	NO
Diuron	16/09/24	ND	ug/L	NO
Glyphosate	16/09/24	ND	ug/L	NO
Malathion	16/09/24	ND	ug/L	NO
MCPA	16/09/24	ND	mg/L	NO
Metolachlor	16/09/24	ND	ug/L	NO
Metribuzin	16/09/24	ND	ug/L	NO
Monochlorobenzene	16/09/24	ND	ug/L	NO
Paraquat	16/09/24	ND	ug/L	NO
Pentachlorophenol	16/09/24	ND	ug/L	NO
Phorate	16/09/24	ND	ug/L	NO

Picloram	16/09/24	ND	ug/L	NO
Polychlorinated Biphenyls(PCB)	16/09/24	ND	ug/L	NO
Prometryne	16/09/24	ND	ug/L	NO
Simazine	16/09/24	ND	ug/L	NO
Terbufos	16/09/24	ND	ug/L	NO
Tetrachloroethylene	16/09/24	ND	ug/L	NO
2,3,4,6-Tetrachlorophenol	16/09/24	ND	ug/L	NO
Triallate	16/09/24	ND	ug/L	NO
Trichloroethylene	16/09/24	ND	ug/L	NO
2,4,6-Trichlorophenol	16/09/24	ND	ug/L	NO
Trifluralin	16/09/24	ND	ug/L	NO
Vinyl Chloride	16/09/24	ND	ug/L	NO

Romeo Street Pumping Station

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	16/09/24	ND	ug/L	NO
Atrazine + N-dealkylated metabolites	16/09/24	ND	ug/L	NO
Atrazine	16/09/24	ND	ug/L	NO
Desethyl atrazine	16/09/24	ND	ug/L	NO
Azinphos-methyl	16/09/24	ND	ug/L	NO
Benzene	16/09/24	ND	ug/L	NO
Benzo(a)pyrene	16/09/24	ND	ug/L	NO
Bromoacetic Acid	16/09/24	ND	ug/L	NO
Bromdichloromethane	16/09/24	3.5	ug/L	NO
Bromoform	16/09/24	ND	ug/L	NO
Bromoxynil	16/09/24	ND	ug/L	NO
Carbaryl	16/09/24	ND	ug/L	NO
Carbofuran	16/09/24	ND	ug/L	NO
Carbon Tetrachloride	16/09/24	ND	ug/L	NO
Chloroacetic Acid	16/09/24	ND	ug/L	NO
Chloroform	16/09/24	17	ug/L	NO
Chlorpyrifos	16/09/24	ND	ug/L	NO
Diazinon	16/09/24	ND	ug/L	NO
Dibromoacetic Acid	16/09/24	ND	ug/L	NO
Dibromodichloromethane	16/09/24	0.62	ug/L	NO
Dicamba	16/09/24	ND	ug/L	NO
Dichloroacetic Acid	16/09/24	ND	ug/L	NO
1,2-Dichlorobenzene	16/09/24	ND	ug/L	NO
1,4-Dichlorobenzene	16/09/24	ND	ug/L	NO
1,2-Dichloroethane	16/09/24	ND	ug/L	NO

1,1-Dichloroethylene (vinylidene chloride)	16/09/24	ND	ug/L	NO
Dichloromethane	16/09/24	ND	ug/L	NO
2-4 Dichlorophenol	16/09/24	ND	ug/L	NO
2,4-Dichlorophenoxy acetic acid (2,4-D)	16/09/24	ND	ug/L	NO
Diclofop-methyl	16/09/24	ND	ug/L	NO
Dimethoate	16/09/24	ND	ug/L	NO
Diquat	16/09/24	ND	ug/L	NO
Diuron	16/09/24	ND	ug/L	NO
Glyphosate	16/09/24	ND	ug/L	NO
Total Haloacetic Acid (HAA)	14/03/24	12.3	ug/L	NO
Total Haloacetic Acid (HAA)	18/06/24	11.1	ug/L	NO
Total Haloacetic Acid (HAA)	OOS	OOS	ug/L	NO
Total Haloacetic Acid (HAA)	11/12/24	10.2	ug/L	NO
Malathion	16/09/24	ND	ug/L	NO
MCPA	16/09/24	ND	mg/L	NO
Metolachlor	16/09/24	ND	ug/L	NO
Metribuzin	16/09/24	ND	ug/L	NO
Monochlorobenzene	16/09/24	ND	ug/L	NO
Paraquat	16/09/24	ND	ug/L	NO
Pentachlorophenol	16/09/24	ND	ug/L	NO
Phorate	16/09/24	ND	ug/L	NO
Picloram	16/09/24	ND	ug/L	NO
Polychlorinated Biphenyls(PCB)	16/09/24	ND	ug/L	NO
Prometryne	16/09/24	ND	ug/L	NO
Simazine	16/09/24	ND	ug/L	NO
THM (Total)	14/03/24	25	ug/L	NO
THM (Total)	18/06/24	21	ug/L	NO
THM (Total)	16/09/24	21	ug/L	NO
THM (Total)	11/12/24	17	ug/L	NO
Terbufos	16/09/24	ND	ug/L	NO
Tetrachloroethylene	16/09/24	ND	ug/L	NO
2,3,4,6-Tetrachlorophenol	16/09/24	ND	ug/L	NO
Triallate	16/09/24	ND	ug/L	NO
Trichloroacetic Acid	16/09/24		ug/L	NO
Trichloroethylene	16/09/24	ND	ug/L	NO
2,4,6-Trichlorophenol	16/09/24	ND	ug/L	NO

Trifluralin	16/09/24	ND	ug/L	NO
Vinyl Chloride	16/09/24	ND	ug/L	NO

Distribution System

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
HAA (Dufferin Towers)	14/03/24 18/06/24 OOS 3 rd Quarter 11/12/24	21.6 (Running Annual Average)	ug/L	NO
THM (Dufferin Towers)	14/03/24 18/06/24 16/09/24 11/12/24	38.5 (Running Annual Average)	ug/L	NO

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
HAA (Forman Towers)	14/03/24 18/06/24 OOS 3 rd Quarter 11/12/24	19.6 (Running Annual Average)	ug/L	NO
THM (Forman Towers)	14/03/24 18/06/24 16/09/24 11/12/24	35.25 (Running Annual Average)	ug/L	NO

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

Chestnut Street Well and Pumphouse

Parameter	Result Value	Unit of Measure	Date of Sample
Fluoride	2.19	mg/L	16/09/24

Mornington Street Well and Pumphouse

Parameter	Result Value	Unit of Measure	Date of Sample
Fluoride	2.36	mg/L	16/09/24

Lorne Avenue Well and Pumphouse

Parameter	Result Value	Unit of Measure	Date of Sample
Fluoride	2.20	mg/L	16/09/24

Dunn Road Well and Pumphouse

Parameter	Result Value	Unit of Measure	Date of Sample
Fluoride	0.52	mg/L	16/09/24

O'Loane Avenue Well and Pumphouse

Parameter	Result Value	Unit of Measure	Date of Sample
Fluoride	2.15	mg/L	16/09/24

Note: Fluoride is naturally occurring in Stratford's drinking water supply source. For more information visit the Perth District Health Unit website at: <http://www.pdhu.on.ca/health-topics/environment/water/fluoride-and-drinking-water/> Fluoride exceedances are reportable every 57 months. Next reportable exceedances will be in March 2028.