



Tiverton Drinking Water System

2025 Annual Water Summary Report

1. INTRODUCTION AND BACKGROUND

The municipality owns and operates drinking water systems to provide residents with safe, potable water. These municipal drinking water systems are regulated under various legislation and legal documents including the Safe Drinking Water Act and Ontario Regulation 170/03 Drinking Water Systems. O. Reg. 170 requires that the municipality complete an annual water report (Section 11) and an annual summary report (Schedule 22). The information required for each of these reports has been combined into this one report. This annual water summary report will be made available for inspection as per O. Reg. 170 subsection 12 (4).

The reports are available free of charge on the municipal website at www.kincardine.ca or by contacting the Environmental Services Department at waterservice@kincardine.ca. Requests will also be received in person or by telephone at the Municipal Administration Centre (1475 Concession 5, 519-396-3468) or the Environmental Services Office (155 Durham Street, Kincardine, 519-396-4660).

1.1. System Description

Drinking-Water System Number:	220002609
Drinking-Water System Name:	Tiverton Drinking Water System
Drinking-Water System Owner:	Municipality of Kincardine
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	Year 2025

The Tiverton Drinking Water System (DWS) is a non-GUDI groundwater supply (which means that it is a secure well and not under the influence of surface water) consisting of 3 active wells, Briar Hill Well #1, Briar Hill Well #2 and Dent Well #2. The newest well, Briar Hill Well #2, went on-line August 2007 and is a 220mm diameter 93 m deep drilled well with a maximum water taking of 8.3 L/s or 720 m³/d. Briar Hill Well #1 is a 150 mm diameter 93 m deep groundwater well rated at 6.1 L/s or 524.16 m³/d. The third active well is Dent Well #2. This well was put in service on July 15, 2005, and replaced the original Dent Well. Dent Well #2 is an approximately 87 m deep drilled well with a 200mm diameter steel casing. The flow rate is restricted to a maximum of 4.6 L/s and a maximum taking of 250.5 m³/d. Both pumphouses are equipped with raw and treated flow meters, a disinfection system consisting of 2 sodium hypochlorite metering pumps with auto switchover capabilities and interlocked well shutdown, and a polyphosphate (Carus 1200) iron sequestering system. The sodium hypochlorite and Carus 1200 are NSF certified. Additional contact time is provided at both pumphouses by 600 mm diameter feeder watermain immediately leaving the pumphouse and prior to the first consumer. The water system is equipped with a 1500 m³ standpipe. Both pumphouses are equipped with a standby generator.

1.2. Major Expenses

The system incurred expenses necessary to install, repair or replace required equipment as follows:

Treatment Equipment	\$5146
Distribution Repairs	\$6,855
Building Maintenance	\$3002
EA Study	\$77,898

2. WATER QUALITY MONITORING

Each municipal drinking water system is required to do testing to ensure that the water supplied to consumers is safe for consumption. Some of these tests such as chlorine residuals are done on site while others, like microbiological testing, must be performed by a licenced laboratory.

2.1. Microbiological Testing

O. Reg. 170 Schedule 10, requires the Tiverton DWS to take a minimum of one sample per week of raw and treated water from each well. A minimum of one sample must be taken every week of distribution water with a total of eight required every month. All raw, treated and distribution samples must be tested for *Escherichia coli* (*E. coli*) and total coliforms (TC). All the treated samples and twenty five percent of the distribution samples must also be tested for heterotrophic plate count (HPC). Our internal sampling schedule exceeds the minimum requirements by having operations staff collect three raw, three treated and three distribution samples every week and having them tested for *E. coli*, total coliform and HPC.

Any *E. coli* or total coliform results above zero (0) in treated or distribution water must be reported to the Ministry of the Environment, Conservation and Parks (MECP) Spills Action Centre (SAC) and Medical Officer of Health (MOH).

Heterotrophic plate count is a colony count of general bacteria population. There is no adverse limit for HPC samples. Results over 500 colonies per 1 mL may indicate a change in water quality but it is not considered an indicator of unsafe water.

The results from the 2025 sampling program are shown in the following table.

Water Source	Number of EC/TC Samples	Range of Total Coliform Results (#-#)	Range of <i>E. coli</i> Results (#-#)	Number of HPC Samples	Range of HPC Results (#-#)
Raw	154	0 – 0	0 – 0	0	--
Treated	154	0 – 0	0 – 0	154	0 – 12
Distribution	155	0 – 0	0 – 0	155	0 – 30

2.2. Chemical Testing

O. Reg. 170 Schedule 13 requires periodic testing of the water for chemical parameters. The Tiverton DWS is required to test for nitrite/nitrate, trihalomethanes and haloacetic acids on a

quarterly basis. The tables below outline these as well as other inorganic and organic parameters that are required to be tested for every three years and include the date and result of the most recent test. Any result displayed as less than (<) are below the method detection limit of the lab.

Sodium and fluoride levels exceed the Ontario Drinking Water Quality Standards, but they are naturally occurring in the groundwater and do not need to be tested more frequently than every five years.

If the concentration of a parameter is above half of the Maximum Acceptable Concentration (MAC) under the Ontario Drinking Water Quality Standards, an increased testing frequency of once every three months is required by O. Regulation 170. Historically, arsenic levels at Dent Well have been around the half MAC and the frequency has been increased to quarterly.

Briar Hill Well #1

Inorganic Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	July 8/24	< 0.6	µg/L	No
Arsenic	July 8/24	2.2	µg/L	No
Barium	July 8/24	11.1	µg/L	No
Boron	July 8/24	161	µg/L	No
Cadmium	July 8/24	0.008	µg/L	No
Chromium	July 8/24	0.17	µg/L	No
Mercury	July 8/24	< 0.01	µg/L	No
Selenium	July 8/24	0.06	µg/L	No
Sodium	October 12/22 October 18/22	43.6 38.4	mg/L	Yes
Uranium	July 8/24	0.572	µg/L	No
Fluoride	April 11/23 April 17/23	1.97 1.90	mg/L	Yes
Nitrite	January 13/25 April 14/25 July 14/25 October 6/25	<0.003 <0.003 <0.003 <0.003	mg/L	No
Nitrate	January 13/25 April 14/25 July 14/25 October 6/25	< 0.006 < 0.006 < 0.006 0.080	mg/L	No

Briar Hill Well #2

Inorganic Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	July 14/25	<0.6	µg/L	No
Arsenic	July 14/25	2.3	µg/L	No
Barium	July 14/25	10.7	µg/L	No
Boron	July 14/25	179	µg/L	No
Cadmium	July 14/25	0.008	µg/L	No
Chromium	July 14/25	0.14	µg/L	No
Mercury	July 14/25	<0.01	µg/L	No
Selenium	July 14/25	< 0.04	µg/L	No
Sodium	October 12/22 October 18/22	44 36.3	mg/L	Yes
Uranium	July 14/25	0.567	µg/L	No
Fluoride	April 11/23 April 17/23	1.96 1.83	mg/L	Yes
Nitrite	January 13/25 April 14/25 July 14/25 October 6/25	< 0.003 < 0.003 < 0.003 < 0.003	mg/L	No
Nitrate	January 13/25 April 14/25 July 14/25 October 6/25	< 0.007 0.007 < 0.006 < 0.006	mg/L	No

Dent Well #2

Inorganic Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	July 10/23	<0.6	µg/L	No
Arsenic	January 13/25 April 14/25 July 14/25 October 6/25	6.3 4.9 4.5 4.8	µg/L	No
Barium	July 10/23	9.55	µg/L	No
Boron	July 10/23	188	µg/L	No
Cadmium	July 10/23	<0.003	µg/L	No
Chromium	July 10/23	0.11	µg/L	No
Mercury	July 10/23	<0.01	µg/L	No
Selenium	July 10/23	0.09	µg/L	No
Sodium	Oct 12/22 Oct 18/22	42.3 36.4	mg/L	Yes
Uranium	July 10/23	0.806	µg/L	No
Fluoride	April 11/23 April 17/23	2.13 1.93	mg/L	Yes
Nitrite	January 13/25 April 14/25 July 14/25 October 6/25	< 0.003 < 0.003 < 0.003 < 0.003	mg/L	No
Nitrate	January 13/25 April 14/25 July 14/25 October 6/25	< 0.006 < 0.006 < 0.006 < 0.006	mg/L	No

Briar Hill Well #1

Organic Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	July 8/24	< 0.02	µg/L	No
Atrazine + N-dealkylated metabolites	July 8/24	< 0.01	µg/L	No
Azinphos-methyl	July 8/24	< 0.05	µg/L	No
Benzene	July 8/24	< 0.32	µg/L	No
Benzo(a)pyrene	July 8/24	< 0.004	µg/L	No
Bromoxynil	July 8/24	< 0.33	µg/L	No
Carbaryl	July 8/24	< 0.05	µg/L	No
Carbofuran	July 8/24	< 0.01	µg/L	No
Carbon Tetrachloride	July 8/24	< 0.17	µg/L	No
Chlorpyrifos	July 8/24	< 0.02	µg/L	No
Diazinon	July 8/24	< 0.02	µg/L	No
Dicamba	July 8/24	< 0.20	µg/L	No
1,4-Dichlorobenzene	July 8/24	< 0.36	µg/L	No
1,2-Dichlorobenzene	July 8/24	< 0.41	µg/L	No
1,2-Dichloroethane	July 8/24	< 0.35	µg/L	No
1,1-Dichloroethylene	July 8/24	< 0.33	µg/L	No
Dichloromethane	July 8/24	< 0.35	µg/L	No
2-4 Dichlorophenol	July 8/24	< 0.15	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	July 8/24	< 0.19	µg/L	No
Diclofop-methyl	July 8/24	< 0.40	µg/L	No
Dimethoate	July 8/24	< 0.06	µg/L	No
Diquat	July 8/24	< 1	µg/L	No
Diuron	July 8/24	< 0.03	µg/L	No
Glyphosate	July 8/24	< 1	µg/L	No
Malathion	July 8/24	< 0.02	µg/L	No
2 methyl-4-chlorophenoxyacetic acid	July 8/24	<0.00012	µg/L	No
Metolachlor	July 8/24	< 0.01	µg/L	No
Metribuzin	July 8/24	< 0.02	µg/L	No
Monochlorobenzene	July 8/24	< 0.3	µg/L	No
Paraquat	July 8/24	< 1	µg/L	No
Pentachlorophenol	July 8/24	< 0.15	µg/L	No
Phorate	July 8/24	< 0.01	µg/L	No
Picloram	July 8/24	< 1	µg/L	No
Polychlorinated Biphenyls (PCB)	July 8/24	< 0.04	µg/L	No
Prometryne	July 8/24	< 0.03	µg/L	No
Simazine	July 8/24	< 0.01	µg/L	No
Terbufos	July 8/24	< 0.01	µg/L	No
Tetrachloroethylene	July 8/24	< 0.35	µg/L	No
2,3,4,6-Tetrachlorophenol	July 8/24	< 0.20	µg/L	No
Triallate	July 8/24	< 0.01	µg/L	No
Trichloroethylene	July 8/24	< 0.44	µg/L	No
2,4,6-Trichlorophenol	July 8/24	< 0.25	µg/L	No
Trifluralin	July 8/24	< 0.02	µg/L	No
Vinyl Chloride	July 8/24	< 0.17	µg/L	No

Briar Hill Well #2

Organic Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	July 14/25	< 0.02	µg/L	No
Atrazine + N-dealkylated metabolites	July 14/25	< 0.01	µg/L	No
Azinphos-methyl	July 14/25	< 0.05	µg/L	No
Benzene	July 14/25	< 0.32	µg/L	No
Benzo(a)pyrene	July 14/25	< 0.004	µg/L	No
Bromoxynil	July 14/25	< 0.33	µg/L	No
Carbaryl	July 14/25	< 0.05	µg/L	No
Carbofuran	July 14/25	< 0.01	µg/L	No
Carbon Tetrachloride	July 14/25	< 0.17	µg/L	No
Chlorpyrifos	July 14/25	< 0.02	µg/L	No
Diazinon	July 14/25	< 0.02	µg/L	No
Dicamba	July 14/25	< 0.20	µg/L	No
1,2-Dichlorobenzene	July 14/25	< 0.41	µg/L	No
1,4-Dichlorobenzene	July 14/25	< 0.36	µg/L	No
1,2-Dichloroethane	July 14/25	< 0.35	µg/L	No
1,1-Dichloroethylene	July 14/25	< 0.33	µg/L	No
Dichloromethane	July 14/25	< 0.35	µg/L	No
2-4 Dichlorophenol	July 14/25	< 0.15	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	July 14/25	< 0.19	µg/L	No
Diclofop-methyl	July 14/25	< 0.40	µg/L	No
Dimethoate	July 14/25	< 0.06	µg/L	No
Diquat	July 14/25	< 1	µg/L	No
Diuron	July 14/25	< 0.03	µg/L	No
Glyphosate	July 14/25	< 1	µg/L	No
Malathion	July 14/25	< 0.02	µg/L	No
2 methyl-4-chlorophenoxyacetic acid	July 14/25	< 0.00012	µg/L	No
Metolachlor	July 14/25	< 0.01	µg/L	No
Metribuzin	July 14/25	< 0.02	µg/L	No
Monochlorobenzene	July 14/25	< 0.3	µg/L	No
Paraquat	July 14/25	< 1	µg/L	No
Pentachlorophenol	July 14/25	< 0.15	µg/L	No
Phorate	July 14/25	< 0.01	µg/L	No
Picloram	July 14/25	< 1	µg/L	No
Polychlorinated Biphenyls (PCB)	July 14/25	< 0.04	µg/L	No
Prometryne	July 14/25	< 0.03	µg/L	No
Simazine	July 14/25	< 0.01	µg/L	No
Terbufos	July 14/25	< 0.01	µg/L	No
Tetrachloroethylene	July 14/25	< 0.35	µg/L	No
2,3,4,6-Tetrachlorophenol	July 14/25	< 0.20	µg/L	No
Triallate	July 14/25	< 0.01	µg/L	No
Trichloroethylene	July 14/25	< 0.44	µg/L	No
2,4,6-Trichlorophenol	July 14/25	< 0.25	µg/L	No
Trifluralin	July 14/25	< 0.02	µg/L	No
Vinyl Chloride	July 14/25	< 0.17	µg/L	No

Dent Well #2

Organic Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	July 10/23	< 0.02	µg/L	No
Atrazine + N-dealkylated metabolites	July 10/23	< 0.01	µg/L	No
Azinphos-methyl	July 10/23	< 0.05	µg/L	No
Benzene	July 10/23	< 0.32	µg/L	No
Benzo(a)pyrene	July 10/23	< 0.004	µg/L	No
Bromoxynil	July 10/23	< 0.33	µg/L	No
Carbaryl	July 10/23	< 0.05	µg/L	No
Carbofuran	July 10/23	< 0.01	µg/L	No
Carbon Tetrachloride	July 10/23	< 0.17	µg/L	No
Chlorpyrifos	July 10/23	< 0.02	µg/L	No
Diazinon	July 10/23	< 0.02	µg/L	No
Dicamba	July 10/23	< 0.20	µg/L	No
1,2-Dichlorobenzene	July 10/23	< 0.41	µg/L	No
1,4-Dichlorobenzene	July 10/23	< 0.36	µg/L	No
1,2-Dichloroethane	July 10/23	< 0.35	µg/L	No
1,1-Dichloroethylene	July 10/23	< 0.33	µg/L	No
Dichloromethane	July 10/23	< 0.35	µg/L	No
2,4-Dichlorophenol	July 10/23	< 0.15	µg/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	July 10/23	< 0.19	µg/L	No
Diclofop-methyl	July 10/23	< 0.40	µg/L	No
Dimethoate	July 10/23	< 0.06	µg/L	No
Diquat	July 10/23	< 1	µg/L	No
Diuron	July 10/23	< 0.03	µg/L	No
Glyphosate	July 10/23	< 1	µg/L	No
Malathion	July 10/23	< 0.02	µg/L	No
2 methyl-4-chlorophenoxyacetic acid	July 10/23	< 0.00012	µg/L	No
Metolachlor	July 10/23	< 0.01	µg/L	No
Metribuzin	July 10/23	< 0.02	µg/L	No
Monochlorobenzene	July 10/23	< 0.3	µg/L	No
Paraquat	July 10/23	< 1	µg/L	No
Pentachlorophenol	July 10/23	< 0.15	µg/L	No
Phorate	July 10/23	< 0.01	µg/L	No
Picloram	July 10/23	< 1	µg/L	No
Polychlorinated Biphenyls (PCB)	July 10/23	< 0.04	µg/L	No
Prometryne	July 10/23	< 0.03	µg/L	No
Simazine	July 10/23	< 0.01	µg/L	No
Terbufos	July 10/23	< 0.01	µg/L	No
Tetrachloroethylene	July 10/23	< 0.35	µg/L	No
2,3,4,6-Tetrachlorophenol	July 10/23	< 0.20	µg/L	No
Triallate	July 10/23	< 0.01	µg/L	No
Trichloroethylene	July 10/23	< 0.44	µg/L	No
2,4,6-Trichlorophenol	July 10/23	< 0.25	µg/L	No
Trifluralin	July 10/23	< 0.02	µg/L	No
Vinyl Chloride	July 10/23	< 0.17	µg/L	No

Trihalomethane (THM) distribution sampling is required quarterly and must also be expressed as a running annual average. The limit as set in the Ontario Drinking Water Quality Standards is 100 ug/L. Trihalomethanes are a by-product of the disinfection process. The THM results for 2025 are as follows:

Date Sampled	THM Result Value (µg/L)	Running Annual Average (µg/L)	Exceedance
January 13/25	14	13.5	No
April 14/25	12	13.3	No
July 14/25	9	11.9	No
October 6/25	30	16.2	No

Sampling and testing for haloacetic acids (HAA) in the distribution system is a new requirement in 2017. The limit as set in the Ontario Drinking Water Quality Standards is 80 ug/L and starting in 2020 must also be expressed as a running annual average. Haloacetic acids are a by-product of the disinfection process. The HAA results for 2025 are as follows:

Date Sampled	HAA Result Value (µg/L)	Running Annual Average (µg/L)	Exceedance
January 13/25	< 5.3	6.1	No
April 14/25	< 5.3	6.1	No
July 14/25	< 5.3	5.3	No
October 6/25	< 5.3	5.3	No

The Tiverton DWS does not have significant levels of lead and so is currently under a reduced-sampling program. Under this sampling program, O. Reg 170 Schedule 15.1 requires sampling for lead every three years and lead-related parameters (pH and alkalinity) every year. Only PH and Alkalinity sampling was performed in 2025, below are the results.

Date Sampled	Location Type	Number of Samples	Parameter	Range of Results
March 24, 2025	Distribution	2	Lead (ug/L)	--
			pH	8.2 - 8.2
			Alkalinity (mg/L)	92 - 92
August 11, 2025	Distribution	2	Lead (ug/L)	--
			pH	7.8 - 7.9
			Alkalinity (mg/L)	96 - 102

2.3. Operational Monitoring

Sodium hypochlorite is used for primary and secondary disinfection. The free chlorine residual is monitored continuously on the treated water and seven grab samples are taken each week in the distribution system. In addition, free chlorine levels are monitored continuously at one location in the distribution system. The Ministry of the Environment, Conservation and Parks *Procedure for Disinfection of Drinking Water in Ontario* outlines the minimum chlorine residual for adequate treatment.

As a target, the free chlorine residual in the distribution system should be above 0.20 mg/L. A distribution free chlorine level lower than 0.05 mg/L must be reported and corrective action taken.

Free Chlorine Residual	Number of Grab Samples	Range of Results (#-#)
Briar Hill Well #1 & #2 Treated Water	Continuous Monitoring	0.00 – 10.01
Dent Well #2 Treated Water	Continuous Monitoring	0.00 – 12.50
Distribution Water	364	0.54 – 1.63
Distribution Water	Continuous Monitoring	0.52 – 1.97

Notes:

1. Jan 16-Briar Hill Well-Operator changed membrane and electrolyte on analyzer causing a false min of 0.00mg/L and a false max of 10.01mg/L to be recorded.
2. Jan 30-Dent Well-Operator performed maintenance on analyzer causing a false min of 0.12mg/L and a false max of 12.50mg/L to be recorded.
3. Feb 18-No distribution grab sample due to weather and road closures, used tower distribution residual
4. March 4-Briar Hill alarm testing caused a false min of 0.35mg/L to be recorded.
5. March 18-Dent Well Low cl2 alarm caused a min residual of 0.06mg/L to be recorded.
6. March 29-Dent Well Low cl2 alarm caused a min residual of 0.01mg/L to be recorded.
7. March 31-Briar Hill alarm testing caused a false min residual of 0.33mg/L to be recorded.
8. May 16-Briar Hill Low chlorine alarm and analyzer maintenance caused a false min residual of 0.00mg/L and a max of 10.01mg/L to be recorded.
9. June 16-Briar Hill Low cl2 alarm caused a min residual of 0.34mg/L to be recorded.
10. June 19-Dent Well analyzer maintenance caused a false min residual of 0.04mg/L to be recorded.
11. June 23-Briar Hill Low cl2 alarm caused a min residual of 0.02mg/L and a max of 5.15mg/L to be recorded.
12. Aug 5-Briar Hill-Analyzer maintenance caused false min of 0.14mg/L and a false max of 10.01mg/L to be recorded.
13. Sept 15-Dent Well Low cl2 alarm caused a min residual of 0.06mg/L to be recorded.
14. Oct 4-Dent Well Low cl2 alarm caused a min residual of 0.07mg/L to be recorded.
15. Oct 10-Dent Well Low cl2 alarm caused a min residual of 0.06mg/L to be recorded.
16. Oct 15-Dent Well Low cl2 alarm caused a min residual of 0.03mg/L to be recorded.
17. Oct 23-Dent Well Low cl2 alarm caused a min residual of 0.03mg/L to be recorded.
18. Oct 24-Dent Well Low cl2 alarm caused a min residual of 0.02mg/L to be recorded.
19. Oct 29-Dent Well Low cl2 alarm caused a min residual of 0.25mg/L to be recorded.
20. Oct 31-Dent Well Low cl2 alarm caused a min residual of 0.01mg/L to be recorded.
21. Nov 10-Dent Well Low cl2 alarm caused a min residual of 0.24mg/L to be recorded.
22. Nov 13 Dent Well Low cl2 alarm caused a min residual of 0.13mg/L to be recorded.
23. Nov 19 Dent Well Low cl2 alarm caused a min residual of 0.18mg/L to be recorded.
24. Nov 22 Dent Well Low cl2 alarm caused a min residual of 0.02mg/L to be recorded.
25. Nov 23 Dent Well Low cl2 alarm caused a min residual of 0.05mg/L to be recorded.
26. Nov 25 Dent Well Low cl2 alarm caused a min residual of 0.00mg/L to be recorded.
27. Dec 8-Briar Hill Low cl2 alarm caused a min of 0.49mg/L to be recorded.

O. Reg 170 Schedule 7 requires that turbidity in the raw water is tested at least once every month. Consistent turbidity results greater than 5 NTU could indicate surface water influence on the well.

Raw Water Turbidity	Number of Samples	Range of Results (#-#)
Briar Hill Well #1	47	0.14 – 0.68
Briar Hill Well #2	50	0.07 – 0.52
Dent Well #2	46	0.08 – 0.84

3. WATER QUANTITY

The following tables list the quantities and flow rates of the water supplied to the distribution system during the reporting period covered by this report, including monthly average and maximum daily flows and a comparison to the rated capacity specified in the system Municipal Drinking Water Licence.

Briar Hill Wells #1 and #2

The rated capacity from the Briar Hill Pumphouse is 717.12 m³/day. The Permit to take water allows water takings of 524.16m³/day from Briar Hill #1 and 720m³/day from Briar Hill #2. There is no maximum flow rate specified for water supplied to the distribution system.

Month	Total Treated Flow (m3)	Average Daily Flow (m³/day)	% Average Day Flow/ Rated Capacity	Maximum Daily Flow (m³/day)	% Maximum Day Flow/ Rated Capacity
January	5,002	161	22%	224	31%
February	5,367	192	27%	264	37%
March	4,581	148	21%	225	31%
April	4,683	156	22%	392	55%
May	5,589	180	25%	322	45%
June	7,038	235	33%	390	54%
July	9,446	305	42%	387	54%
August	7,950	256	36%	374	52%
September	5,949	198	28%	310	43%
October	5,441	176	24%	331	46%
November	6,329	211	29%	350	49%
December	7,946	256	36%	349	49%
Annual	75,321	206.2	29%	392	55%

Briar Hill Wells #1 and #2

Month	Average Daily Flow Rate (L/s)	Maximum Daily Flow Rate (L/s)
January	1.9	10.3
February	2.2	10.2
March	1.7	9.3
April	1.8	9.0
May	2.1	10.2
June	2.7	8.8
July	3.5	10.2
August	3.0	10.2
September	2.3	6.6
October	2.0	9.2
November	2.4	9.8
December	3.0	10.2
Annual	2.39	10.26

Note: All max flow rates above 8.3 L/s caused by monthly generator testing and power interruptions

Dent Well #2

The rated capacity from the Dent Pumphouse is 397.44 m³/day. The Permit to Take Water only allows water takings of 250.5m³/day. There is no maximum flow rate specified for water supplied to the distribution system.

Month	Total Treated Flow (m3)	Average Daily Flow (m³/day)	% Average Day Flow/ Rated Capacity	Maximum Daily Flow (m³/day)	% Maximum Day Flow/ Rated Capacity
January	2,176	70	18%	119	30%
February	2,032	73	18%	95	24%
March	2,851	92	23%	113	29%
April	3,124	104	26%	212	53%
May	3,066	99	25%	164	41%
June	3,311	110	28%	205	52%
July	2,708	87	22%	182	46%
August	2,362	76	19%	148	37%
September	1,877	63	16%	153	38%
October	2,409	78	20%	110	28%
November	954	32	8%	124	31%
December	48	2	0%	16	4%
Annual	26,917	73.8	19%	212	53%

Dent Well #2

Month	Average Daily Flow Rate (L/s)	Maximum Daily Flow Rate (L/s)
January	0.8	9.2
February	0.8	9.7
March	1.1	9.6
April	1.2	10.1
May	1.1	10.2
June	1.3	10.1
July	1.0	8.8
August	0.9	10.3
September	0.7	9.9
October	0.9	9.6
November	0.4	9.3
December	0.0	10.1
Annual	0.85	10.25

Note: All max flow rates above 5.2 L/s caused by monthly generator testing and power interruptions

1. Dent Well was off from October 24 to 27 due to chlorine pump issues.
2. Dent Well was off from October 31 to November 13 due to chlorine pump issues. Was turned on for sampling during this period.
3. Dent Well was off from November 24 to December 31 due to a raw waterline leak and chlorine pump issues. Was turned on for some sampling during this period.

4. ADVERSE WATER QUALITY INCIDENTS AND NON-COMPLIANCE FINDINGS

Any adverse results from microbiological samples, chemical samples or observations of operational conditions that indicate adverse water quality are reported to the Spills Action Centre (SAC) of the Ministry of the Environment, Conservation and Parks and the Medical Officer of Health (MOH). All adverse conditions are responded to immediately and corrective actions taken. There were no reportable incidents in 2025.

The annual Ministry of the Environment, Conservation and Parks Inspection took place on December 18, 2025, for the reporting period from June 13, 2024, to December 12, 2025. The inspection report did not identify any non-compliance issues.

O. Reg 170 Schedule 22 requires the municipality to identify any requirements of the Safe Drinking Water Act, Regulations, Drinking Water Works Permit, Municipal Drinking Water Licence and any Order that the system failed to meet during the reporting period. There were two issues identified in 2025.

Drinking Water Legislation	Requirements the System Failed to Meet	Duration	Corrective Actions
Permit to Take Water 5581-BVHT5L Sec. 4.2	Dent Well- Well Depth transducer not recording September 9 to 11. Measurements required at least once every hour.	Sept 9 at 0751am to Sept 11 at 0408pm	Loose wire, staff reminded to check everything is functional onsite after contractor work is completed
Permit to Take Water 5581-BVHT5L Sec. 4.2	Dent Well-Well Depth transducer not recording on November 12 due to electrical work onsite. Well was offline during the work Measurements required at least once every hour.	November 12 from 0815am to 1545pm	Electrical work onsite Created an SOP for contractors working onsite.
O. Reg 170/03, Schedule 10, Sec 10-3 and 10-4	Dent Well raw and treated samples not taken November 24 or December 1, 2025	2 weeks	Well was offline due to raw water line leak, repaired line, spare parts to added to inventory