Township of Oro-Medonte
Drinking Water Compliance Report 2025

Craighurst Drinking Water System

Annual and Municipal Summary Reports

(Prepared in accordance with Section 11 and Schedule 22 of Ontario Regulation 170/03)

Period Covering: January 1 to December 31, 2025

February 11, 2026

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1 Introduction

The Township of Oro-Medonte has prepared this report to satisfy the requirements of Section 11: Annual Report and Schedule 22: Summary Reports for Municipalities of Ontario Regulation (O.Reg.) 170/03.

This report covers the period of January 1 to December 31, 2025, and applies to the following municipally owned and operated drinking water system:

- Craighurst Drinking Water System (DWS # 250001322)

2 Reporting Requirements

2.1 Requirements under Section 11: Annual Report

Section 11 of O.Reg 170/03 requires that the Owner of a drinking water system shall ensure that an annual report, covering the period from January 1 to December 31 in a year, be prepared no later than February 28 of the following year. The report must include the following information relating to the period covered by the report:

- Include a statement of where a report prepared under Schedule 22 will be available for inspection by any member of the public during normal business hours without charge;
- Contain a brief description of the drinking water system, including a list of water treatment chemicals used by the system;
- Describe any major expenses incurred to install, repair or replace required equipment;
- Summarize any reports made to the Ministry of Environment, Conservation and Parks (MECP) for Adverse Water Quality Incidents (AWQIs);
- Summarize the results of tests required under O.Reg. 170/03, or under an approval, municipal drinking water licence or order, including an Ontario Water Resources Act order, if tests required under this Regulation in respect of a parameter were not required during that period, summarize the most recent results of tests of that parameter; and,
- Describe any corrective actions taken.

2.2 Requirements under Schedule 22: Summary Report for Municipalities

Schedule 22 of O.Reg 170/03 requires that the report be prepared no later than March 31 of the following year, and include the following information relating to the period covered by the report:

- List the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report with specifics to the duration and measures that were taken to correct the failure.
- The report must also include the following information to enable the Owner of the system to assess the capability of the system to meet existing and planned uses of the system:
    - Summarize the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows; and,
    - Compare the aforementioned summary of quantities and flow rates to the rated capacity and flow rates approved in the system's approval, drinking water works permit or municipal drinking water licence.

3 Compliance Reporting Requirement

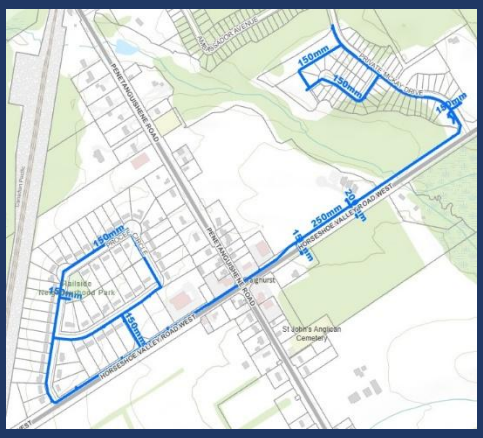
3.1 Availability of the Drinking Water Compliance Report

In accordance with Section 11 of O.Reg. 170/03, a copy of the report is available to the public, free of charge from the following outlets:

- Township of Oro-Medonte's website (www.oro-medonte.ca); and,
- Public request at the Municipal Office, located at 148 Line 7 South, Oro-Medonte.

The public is advised of the report's availability and how to obtain a copy, without charge, on the Township of Oro-Medonte's website through annual public reporting to Council and on the drinking water dedicated landing pages.

4 Craighurst Drinking Water System



CRAIGHURST

Drinking Water System Number: 250001322

Raw Water Source: Groundwater

Drinking Water System Category: Small Municipal Residential

Drinking Water System Classification: Limited Groundwater System

Population Served: Approx. 249 persons

4.1 Municipal Drinking Water System Description

The Craighurst Drinking Water System (DWS # 250001322) consists of two facilities located in Oro-Medonte: Procee Circle Well house and Reservoir (Procee Circle) at 33 Procee Circle (Wells 2 and 3), and the Craighurst Crossing Booster Pumping Station and Reservoir (Craighurst Crossing) at 2 Private McKay Drive (Wells 4 and 5). The Procee Circle facility is owned and operated by the Corporation of the Township of Oro-Medonte. The Craighurst Crossing facility is currently owned by the developer (Georgian Communities), with the Township acting as the operating authority and assuming ownership of the Craighurst Crossing Booster and Pumping Station upon final acceptance. Both facilities are operated in accordance with the Craighurst Drinking Water System's respective MDWL, DWWP, PTTW, and all other applicable legislation.

This drinking water system includes two water production facilities, Procee Circle and Craighurst Crossing, each contributing treated water to the same distribution system. The Procee Circle facility includes two (2) production wells (Wells 2 and 3), process piping, and a dual-celled 224 m³ reservoir. Treated water is supplied to the distribution system using three (3) high-lift pumps and one (1) fire pump (for fire protection when required). The Craighurst Crossing facility, commissioned in 2025 to support the new Craighurst Crossing subdivision, consists of two (2) production wells (Wells 4 and 5), process piping, and a dual-celled 1,590 m³ reservoir. It supplies treated water to the system using two (2) jockey pumps for low flows and four (4) high-lift pumps for high flows and fire protection.

At both facilities, raw water is conveyed from the wells through process piping to the pumphouse, where treatment includes chlorination with sodium hypochlorite. Primary disinfection is achieved using the CT concept, combining disinfectant residual concentration with the effective contact time provided by each facility's reservoir.

Secondary disinfection is provided at the Craighurst Crossing facility to help maintain an adequate chlorine residual toward the farthest reaches of the system.

Although both facilities supply treated water to the same distribution system, they operate on a coordinated daily schedule so that only one facility is producing and supplying water at any given time to the entirety of the system.

The distribution system consists of approximately 3.3 km of watermain (150-200 mm diameter), twenty-seven (27) valves, twenty-four (24) hydrants, and seven (7) sample stations, servicing approximately 71 residential units.

System operation is continuously monitored 24 hours a day, seven days a week through a computerized SCADA system equipped with alarms for certified operator response when operational issues arise. Emergency backup power is provided by a 25 kW natural gas generator at the Procee Circle facility and a 200 kW natural gas generator at the Craighurst Crossing facility.

4.2 Water Treatment Chemicals

The following water treatment chemicals were utilized during the reporting period:

- Sodium Hypochlorite (12%)

4.3 Major Expenses Incurred within the Drinking Water System

The Township of Oro-Medonte has determined expenses over $25,000 to be considered a ‘major expense’. A brief summary of the major or notable expenses incurred during the reporting period to install, repair or replace required equipment, and the value of each is included in the table below.

Table 1: Major or Notable Expense Summary

Expense	Cost Incurred
Communication Upgrades (cost share for project across all municipal drinking water systems)	~ $14,000

4.4 Operational Checks, Sampling and Testing

O.Reg. 170/03 outlines specific operational checks and sampling requirements for drinking water systems, while O.Reg. 169/03 specifies drinking water quality standards and maximum allowable concentrations of analytical parameters.

Additional raw water testing for Well 4 is required under the conditions of the Permit to Take Water (PTTW) for Wells 4 and 5 and further discussed in Section 4.4.5 of this report.

During the reporting period, the required operational checks were completed and

drinking water samples were collected in accordance with O.Reg. 170/03 and Craighurst Crossing's PTTW. All accredited laboratory results for analyzed samples met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03.

No other additional testing and sampling was required in 2025 due to any requirements of an approval, order, or other legal instruments.

4.4.1 Schedule 7: Operational Checks (O.Reg. 170/03)

Operational checks of measurements of free chlorine residuals and raw water turbidity were conducted in accordance with the small residential drinking water system requirements as prescribed by O.Reg.170/03, Schedule 7. Wells 4 and 5 were commissioned mid year 2025 and sample counts are reflected in the table below.

No data is reported for fluoride as the Township of Oro-Medonte does not fluoridate any of its drinking water systems.

Table 2: Schedule 7 - Operational Checks Summary

Parameter	Sample Count	Range of Results (min/avg/max)
Raw Turbidity (NTU) – Well 2	12	0.17/0.39/0.77
Raw Turbidity (NTU) – Well 3	12	0.10/0.38/0.74
Raw Turbidity (NTU) – Well 4	7	0.16/0.50/0.77
Raw Turbidity (NTU) – Well 5	7	0.10/0.37/0.55
Chlorine (mg/L) – Well 2 & 3	8760*	0.27/1.41/2.52**
Chlorine (mg/L) – Well 4 & 5	8760*	0.91/1.65/5.13
Fluoride	N/A	N/A

* 8760 is the number of samples used for continuous monitoring.
** The range of chlorine results incorporates maintenance activities and operational testing. It does not necessarily reflect residuals within the distribution system.

4.4.2 Schedule 11: Microbiological Sampling and Testing (O.Reg. 170/03)

Raw, treated, and distribution water samples were collected and analyzed for microbiological parameters in accordance with Sections 11-2, 11-3, and 11-4 of O. Reg. 170/03.

For the first half of the reporting period, sampling was completed under the requirements for a 'Small Municipal Residential System'. Midway through the year, sampling practices were adjusted to follow the 'Large Municipal Residential System' requirements in preparation for the system's upcoming category transition, which will occur once the system reaches 100 service connections. The sample counts shown in the following tables reflect this shift from small-to-large system monitoring requirements.

All accredited laboratory results for samples analyzed for microbiological parameters met the requirements and did not exceed the applicable standards stipulated in O.Reg.

169/03, unless otherwise stated in Section 4.5.1 ‘Schedule 16: Reporting of Adverse Test Results and Other Problems’ of this report.

Raw, treated and distribution drinking water samples were analyzed for bacteriological health-related parameters including E.coli, total coliform, background bacteria (background) and heterotrophic plate count (HPC). The presence of HPC and background bacteria when measured in counts greater than 200 CFU per 100 mL, may indicate a deterioration in water quality within the drinking water system and initiate additional maintenance activities, such as flushing. The results for microbiological and bacteriological parameters during this reporting period are summarized in the table below for reference.

Table 3: Schedule 11 - Microbiological Sampling and Testing Summary

Source		Sample Count	E.coli (CFU/100 mL) (min-max)	Total Coliform (CFU/100 mL) (min-max)	Background (CFU/100 mL) (min-max)	HPC (CFU/1 mL) (min-max)
Raw	Well 2	42	0	0 – 0	0 – 0	N/A
	Well 3	42	0	0 – 0	0 – 0	N/A
	Well 4	32	0	0 – 0	0 – >200	N/A
	Well 5	32	0	0 – 0	0 – >200	N/A
Treated	Wells 2 & 3	42	0	0 – 0	0 – 2	<10 – <10
	Wells 4 & 5	32	0	0 – 0	0 – 0	<10 – 10
Distribution	-	124	0	0 – 17*	0 – 16	<10 – 20
AWQI	-	4	0	0 – 0	0 – 0	<10 – <10

*Total coliform in the distribution sample summary includes two Adverse Water Quality Incident (AWQI) results.

4.4.3 Schedule 13: Chemical Testing (O.Reg. 170/03)

Drinking water samples were collected from the drinking water system and analyzed for all parameters in accordance with O.Reg. 170/03, Schedule 13. All samples analyzed met the requirements and did not exceed the applicable standards stipulated in O.Reg. 169/03.

If chemical analysis under O.Reg. 170/03 was not required during this reporting period; the most recent analytical results for that parameter have been summarized in the tables below for reference, in accordance with O.Reg. 170/03, Section 11.

Under Sections 13-2 and 13-4, sampling requirements for inorganics and organics are once every 60 months and tested for every parameter listed in O.Reg 170/03, Schedules 23 and 24. Results indicated that all parameters were below half the maximum allowable concentration in Schedule 2 in the Ontario Drinking Water Quality

Standards. The most recent chemical parameter results are summarized in the table below for reference.

As part of the regulatory transition of the Craighurst Drinking Water System from a 'small municipal residential system' to a 'large municipal residential system' under O.Reg, 170/03, additional Schedule 23 and 24 sampling will occur over the next two years. In 2026, Wells 2 and 3 will be sampled to meet the remaining "small system" chemical testing requirements. In 2027, once the Craighurst system meets the criteria to be regulated as a 'large municipal residential system', all four production wells (Wells 2, 3, 4, and 5) will be resampled in accordance with the "large system" requirements.

Although the Craighurst Drinking Water System includes four production wells, Wells 2 and 3 at the Procee Circle facility and Wells 4 and 5 at the Craighurst Crossing facility, the Schedule 23 and 24 parameters are not sampled from the wells themselves. Instead, these parameters are collected from the treated water sample tap at each facility. This sampling location represents the combined treated water produced by the wells at each facility, after full treatment has been applied and before the water enters the distribution system, as required under O.Reg. 170/03.

This coordinated approach ensures that, moving forward, all the Township's large municipal residential drinking water systems follow the same sampling schedule, improving efficiency and supporting consistent compliance with provincial regulatory requirements.

Table 4: Schedule 23 - Inorganic and Schedule 24 - Organic Results Summary

Parameter	Date Sampled	Treated Water Results		Units	Exceedance
		Procee Circle (Wells 2 & 3)	Craighurst Crossing (Wells 4 & 5)		
Schedule 23: Inorganics					
Antimony	2021/06/16	0.9<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.6<MDL	ug/L	No
Arsenic	2021/06/16	0.2<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.2<MDL	ug/L	No
Barium	2021/06/16	65.8	N/A	ug/L	No
	2025/09/23	N/A	48	ug/L	No
Boron	2021/06/16	12	N/A	ug/L	No
	2025/09/23	N/A	6	ug/L	No
Cadmium	2021/06/16	0.007	N/A	ug/L	No
	2025/09/23	N/A	0.006	ug/L	No
Chromium	2021/06/16	1.59	N/A	ug/L	No
	2025/09/23	N/A	0.11	ug/L	No
Mercury	2021/06/16	0.01<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.01<MDL	ug/L	No
Selenium	2021/06/16	0.16	N/A	ug/L	No
	2025/09/23	N/A	0.04<MDL	ug/L	No
Uranium	2021/06/16	0.870	N/A	ug/L	No
	2025/09/23	N/A	0.063	ug/L	No

Table 4: Schedule 23 - Inorganic and Schedule 24 - Organic Results Summary (continued)

Parameter	Date Sampled	Treated Water Results		Units	Exceedance
		Procee Circle (Wells 2 & 3)	Craighurst Crossing (Wells 4 & 5)		
Schedule 24: Organics					
Alachlor	2021/06/16	0.02<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.02<MDL	ug/L	No
Atrazine + N-dealkylated metabolites	2021/06/16	0.01<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.01<MDL	ug/L	No
Azinphos-methyl	2021/06/16	0.05<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.05<MDL	ug/L	No
Benzene	2021/06/16	0.32<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.32<MDL	ug/L	No
Benzo(a)pyrene	2021/06/16	0.004<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.004<MDL	ug/L	No
Bromoxynil	2021/06/16	0.33<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.33<MDL	ug/L	No
Carbaryl	2021/06/16	0.05<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.05<MDL	ug/L	No
Carbofuran	2021/06/16	0.01<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.01<MDL	ug/L	No
Carbon Tetrachloride	2021/06/16	0.17<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.17<MDL	ug/L	No
Chlorpyrifos	2021/06/16	0.02<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.02<MDL	ug/L	No
Diazinon	2021/06/16	0.02<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.02<MDL	ug/L	No
Dicamba	2021/06/16	0.20<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.20<MDL	ug/L	No
1,2-Dichlorobenzene	2021/06/16	0.41<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.41<MDL	ug/L	No
1,4-Dichlorobenzene	2021/06/16	0.36<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.36<MDL	ug/L	No
1,2-Dichloroethane	2021/06/16	0.35<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.35<MDL	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	2021/06/16	0.33<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.33<MDL	ug/L	No
Dichloromethane	2021/06/16	0.35<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.35<MDL	ug/L	No
2-4 Dichlorophenol	2021/06/16	0.15<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.15<MDL	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2021/06/16	0.19<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.19<MDL	ug/L	No
Diclofop-methyl	2021/06/16	0.40<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.40<MDL	ug/L	No

Table 4: Schedule 23 - Inorganic & Schedule 24 Organic Results Summary (continued)

Parameter	Date Sampled	Treated Water Results		Units	Exceedance
		Procee Circle (Wells 2 & 3)	Craighurst Crossing (Wells 4 & 5)		
Schedule 24: Organics (continued)					
Dimethoate	2021/06/16	0.06<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.06<MDL	ug/L	No
Diquat	2021/06/16	1<MDL	N/A	ug/L	No
	2025/09/23	N/A	1<MDL	ug/L	No
Diuron	2021/06/16	0.03<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.03<MDL	ug/L	No
Glyphosate	2021/06/16	1<MDL	N/A	ug/L	No
	2025/09/23	N/A	1<MDL	ug/L	No
Malathion	2021/06/16	0.02<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.02<MDL	ug/L	No
Metolachlor	2021/06/16	0.01<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.01<MDL	ug/L	No
Metribuzin	2021/06/16	0.02<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.02<MDL	ug/L	No
Monochlorobenzene	2021/06/16	0.3<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.3<MDL	ug/L	No
MCPA	2021/06/16	0.00012<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.00012<MDL	ug/L	No
Paraquat	2021/06/16	1<MDL	N/A	ug/L	No
	2025/09/23	N/A	1<MDL	ug/L	No
Pentachlorophenol	2021/06/16	0.15<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.15<MDL	ug/L	No
Phorate	2021/06/16	0.01<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.01<MDL	ug/L	No
Picloram	2021/06/16	1<MDL	N/A	ug/L	No
	2025/09/23	N/A	1<MDL	ug/L	No
Polychlorinated Biphenyls (PCB)	2021/06/16	0.04<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.04<MDL	ug/L	No
Prometryne	2021/06/16	0.03<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.03<MDL	ug/L	No
Simazine	2021/06/16	0.01<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.01<MDL	ug/L	No
Terbufos	2021/06/16	0.01<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.01<MDL	ug/L	No
Tetrachloroethylene	2021/06/16	0.35<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.35<MDL	ug/L	No
2,3,4,6-Tetrachlorophenol	2021/06/16	0.20<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.20<MDL	ug/L	No
Triallate	2021/06/16	0.01<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.01<MDL	ug/L	No

Table 4: Schedule 23 - Inorganic & Schedule 24 Organic Results Summary (continued)

Parameter	Date Sampled	Treated Water Results		Units	Exceedance
		Procee Circle (Wells 2 & 3)	Craighurst Crossing (Wells 4 & 5)		
Schedule 24: Organics (continued)					
Trichloroethylene	2021/06/16	0.44<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.44<MDL	ug/L	No
2,4,6-Trichlorophenol	2021/06/16	0.25<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.25<MDL	ug/L	No
Trifluralin	2021/06/16	0.02<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.02<MDL	ug/L	No
Vinyl Chloride	2021/06/16	0.17<MDL	N/A	ug/L	No
	2025/09/23	N/A	0.17<MDL	ug/L	No

Note: '<MDL' indicates the result was below the detection limit for the parameter's analysis method used by the external lab.

Under Sections 13-6 and 13-6.1, sampling requirements for trihalomethanes (THMs) and haloacetic acids (HAAs) are quarterly and expressed as a running annual average (RAA), which is updated continually as quarterly sample results are received.

Regulatory reporting requirements for HAAs and its associated calculated RAA of quarterly results commenced January 1, 2020, although Environmental Services has been actively calculating RAA since 2017 as a best management practice to evaluate the status of the parameter within the drinking water system.

The 2025 THMs and HAAs results are summarized in the table below.

Table 5: Trihalomethanes and Haloacetic Acids Results Summary

Parameter	Running Annual Average (RAA)	Unit	Exceedance
Trihalomethanes (THMs)	13.73	ug/L	No
Haloacetic Acid (HAAs)	3.03	ug/L	No

Under Section 13-7, sampling requirements for nitrate and nitrite are quarterly. Wells 4 and 5 were incorporated into the third quarter sampling period. The 2025 nitrate and nitrite results are summarized in the table on the following page for reference.

Table 6: Nitrate and Nitrite Results Summary

Parameter	Date Sampled	Results		Unit	Exceedance
		Wells 2 & 3	Wells 4 & 5		
Nitrate	2025/02/26	4.08	N/A	mg/L	No
	2025/05/28	4.14	N/A	mg/L	No
	2025/08/27	4.21	0.009	mg/L	No
	2025/11/26	4.41	0.011	mg/L	No

Table 6: Nitrate and Nitrite Results Summary (continued)

Parameter	Date Sampled	Results		Unit	Exceedance
		Wells 2 & 3	Wells 4 & 5		
Nitrite	2025/02/26	0.003<MDL	N/A	mg/L	No
	2025/05/28	0.003<MDL	N/A	mg/L	No
	2025/08/27	0.003<MDL	0.003<MDL	mg/L	No
	2025/11/26	0.003<MDL	0.003<MDL	mg/L	No

Note: '<MDL' indicates the result was below the detection limit for the parameter's analysis method used by the external lab.

Under Sections 13-8 and 13-9, sampling requirements for sodium and fluoride are once every 60 months. Sodium and fluoride sampling was completed in 2023 for Wells 2 & 3, and in 2025 for Wells 4 & 5. Sodium and fluoride are collected from the treated water sample tap at each facility. This sampling location represents the combined treated water produced by the wells at each facility, after full treatment has been applied and before the water enters the distribution system, as required under O.Reg. 170/03.

To align with the Township's other large municipal residential drinking water systems, the next sodium sampling date will be in 2028.

Table 7: Sodium and Fluoride Results Summary

Parameter	Date Sampled	Treated Water Results		Unit	Exceedance
		Wells 2 & 3	Wells 4 & 5		
Sodium	2023/08/29	73.3*	N/A	mg/L	Yes
	2025/09/23	N/A	6.95	mg/L	No
Fluoride	2023/08/29	0.06<MDL	N/A	mg/L	No
	2025/09/23	N/A	0.24	mg/L	No

*Sodium exceedance and corrective actions were summarized in the 2023 Annual Report.
Note: '<MDL' indicates the result was below the detection limit for the parameter's analysis method used by the external lab.

4.4.4 Schedule 15.1: Lead Testing (O.Reg. 170/03)

Lead samples are required to be collected from the drinking water system during the prescribed sampling periods of 'Winter' (December 15 to April 15) and 'Summer' (June 15 to October 15) in accordance with Schedule 15.1. The Craighurst Drinking Water System has met the eligibility criteria for a reduction in sampling requirements as prescribed in Section 15.1-5. The distribution system sampling is required as follows:

- Alkalinity and pH each year, every "Winter" and "Summer" period
- Lead once every 3 years, "Winter" and "Summer" period.
-

The 2025 alkalinity and pH results are summarized in Table 8 below for reference. Lead sampling was last required in 2024, and those results can be found in the annual

Drinking Water Compliance Report for that year. The next alkalinity and pH sampling is scheduled for 2026, with the next round of lead sampling due in 2027.

Table 8: Lead, Alkalinity, and pH Sampling Results Summary

Location Type	Sample Count	Date Sampled	Lead (ug/L)	Alkalinity (mg/L as $CaCo_3$)	pH	Exceedance
Plumbing	N/A	N/A	N/A	N/A	N/A	N/A
Distribution	2	2025/03/26	N/A	230 - 236	7.7*	No
	3**	2025/10/08	N/A	179 - 246	7.6 – 8.0	No

*Result identical in both samples collected.
**Extra sample collected in the 'Summer' sampling period to represent the Craighurst Crossing portion of the distribution system.

4.4.5 Additional Monitoring and Sampling (Permit to Take Water)

Under Section 4.2 of the PTTW for Wells 4 and 5, quarterly raw water sampling for Volatile Organic Compounds (VOCs) is required for Well 4 during the initial years of production. The 2025 VOC monitoring results are summarized in the table below.

Table 9: Volatile Organic Compounds Results Summary

Parameter	Date Sampled	Well 4 Results	Unit	Exceedance
Benzene	2025/09/23	0.32<MDL	µg/L	No
	2025/12/01	0.32<MDL	µg/L	No
Carbon tetrachloride	2025/09/23	0.17<MDL	µg/L	No
	2025/12/01	0.17<MDL	µg/L	No
Chloromethane	2025/09/23	1<MDL	µg/L	No
	2025/12/01	1<MDL	µg/L	No
1,2-Dichlorobenzene	2025/09/23	0.41<MDL	µg/L	No
	2025/12/01	0.41<MDL	µg/L	No
1,4-Dichlorobenzene	2025/09/23	0.36<MDL	µg/L	No
	2025/12/01	0.36<MDL	µg/L	No
1,1-Dichloroethylene (vinylidene chloride)	2025/09/23	0.33<MDL	µg/L	No
	2025/12/01	0.33<MDL	µg/L	No
1,2-Dichloroethane	2025/09/23	0.35<MDL	µg/L	No
	2025/12/01	0.35<MDL	µg/L	No
Dichloromethane	2025/09/23	0.35<MDL	µg/L	No
	2025/12/01	0.35<MDL	µg/L	No
Monochlorobenzene	2025/09/23	0.3<MDL	µg/L	No
	2025/12/01	0.3<MDL	µg/L	No
Tetrachloroethylene (perchloroethylene)	2025/09/23	0.35<MDL	µg/L	No
	2025/12/01	0.35<MDL	µg/L	No

Table 9: Volatile Organic Compounds Results Summary (continued)

Parameter	Date Sampled	Well 4 Results	Unit	Exceedance
Trichloroethylene	2025/09/23	0.44<MDL	µg/L	No
	2025/12/01	0.44<MDL	µg/L	No
Vinyl Chloride	2025/09/23	0.17<MDL	µg/L	No
	2025/12/01	0.17<MDL	µg/L	No
Trihalomethanes (total)	2025/09/23	0.37<MDL	µg/L	No
	2025/12/01	0.37<MDL	µg/L	No
Bromoform	2025/09/23	0.34<MDL	µg/L	No
	2025/12/01	0.34<MDL	µg/L	No
Bromodichloromethane	2025/09/23	0.26<MDL	µg/L	No
	2025/12/01	0.26<MDL	µg/L	No
Chloroform	2025/09/23	0.29<MDL	µg/L	No
	2025/12/01	0.29<MDL	µg/L	No
Dibromochloromethane	2025/09/23	0.37<MDL	µg/L	No
	2025/12/01	0.37<MDL	µg/L	No
Xylene (total)	2025/09/23	0.43<MDL	µg/L	No
	2025/12/01	0.43<MDL	µg/L	No
o-xylene	2025/09/23	0.17<MDL	µg/L	No
	2025/12/01	0.17<MDL	µg/L	No
m/p-xylene	2025/09/23	0.43<MDL	µg/L	No
	2025/12/01	0.43<MDL	µg/L	No

4.5 Reporting and Corrective Actions

4.5.1 Schedule 16: Reporting of Adverse Test Results and Other Problems

In accordance with O.Reg 170/03, Schedule 16, notifications of adverse water quality incidents and other observations that indicate the potential of improperly disinfected water has been directed to users are provided to the MECP Spills Action Centre (SAC) and local Medical Officer of Health (Simcoe Muskoka District Health Unit (SMDHU)). During this reporting period, there were two (2) incidents in the drinking water system.

4.5.2 Schedule 18: Corrective Actions

Corrective actions in response to the reporting of the Adverse Water Quality Incident (AWQI) were conducted in accordance with Schedule 18 of O.Reg 170/03 and details are summarized in the table on the following page for reference.

Table 10: Adverse Water Quality Incidents (AWQIs) & Corrective Actions Summary

AWQI Number:
1683721
Incident Details:
Date: May 26, 2025 One microbiological sample collected during the regular weekly distribution sampling program was reported by the contracted external lab to exceed regulatory standards, with a total coliform result of 1 CFU/100mL.
Corrective Action:
The incident was immediately reported to the SMDHU and SAC by Environmental Services staff as per O.Reg 170/03 requirements. Corrective actions included flushing the adverse sample location thoroughly and collecting microbiological samples from the adverse sample location, as well as upstream and downstream locations. All microbiological resample results confirmed zero presence of coliform or indicator bacteria.

AWQI Number:
169579
Incident Details:
Date: July 25, 2025 One microbiological sample collected during the regular weekly distribution sampling program was reported by the contracted external lab to exceed regulatory standards, with a total coliform result of 17 CFU/100mL.
Corrective Action:
The incident was immediately reported to the SMDHU and SAC by Environmental Services staff as per O.Reg 170/03 requirements. Corrective actions included flushing the adverse sample location thoroughly and collecting microbiological samples from the adverse sample location, as well as upstream and downstream locations. All microbiological resample results confirmed zero presence of coliform or indicator bacteria.

4.6 Municipal Summary Report

4.6.1 Schedule 22, Section 1

The following table summarizes the requirements of the Act, the Regulations, the system's approval, municipal drinking water licence, drinking water works permit,

and any orders applicable to the system that were not met during the reporting period, including the duration and description of the corrective action(s) taken.

Table 11: Regulatory Compliance Summary

Safe Drinking Water Act (SDWA) & Associated Regulations
The 2024 MECP Inspection Report was received after the completion of the 2024 Drinking Water Compliance Report. During that reporting period, there were no issues or non-compliances identified, and a final inspection rating of 100% was received. From March 30 to April 4, 2025, an ice storm disrupted pumphouse communications. Technicians followed loss-of-communication procedures, conducting site visits to verify disinfection and record chlorine residuals for the period. Non-compliant events due to a PLC recording issue occurred from November 22 to 23, 2025. These non-compliant events were reported to the MECP, and systems were put in place to avoid a future occurrence. At the time of this report's compilation, the 2025 MECP Inspection Report for this system had not yet been received.
Municipal Drinking Water Licence & Drinking Water Work Permit
At the time of this report's compilation, the 2025 MECP Inspection Report for this system had not yet been received.
Provincial Orders
At the time of this report's compilation, the 2025 MECP Inspection Report for this system had not yet been received.
Best Practice Issues and Recommendations
At the time of this report's compilation, the 2025 MECP Inspection Report for this system had not yet been received.

4.6.2 Schedule 22, Section 2

In order to assist the Township in assessing the capability of the system to meet existing and planned uses of the system, Appendix A and B summarize the quantities of water volumes supplied and offers a visual depiction of allowed water taking compared to drinking water system demands during the reporting period, including monthly average and maximum daily flows.

5 Conclusion

This report satisfies the requirements of Section 11 and Schedule 22 of O.Reg. 170/03. Any questions regarding this report should be directed to Environmental Services.

Appendix A – Well Flow Summary

Procee Circle Wellhouse and Reservoir Flow Summary Table

	Well 2				Well 3			
	Permitted Capacity: 140 m^3/day				Permitted Capacity: 229 m^3/day			
	Total Flow (m^3)	Average Day (m^3)	Maximum Day (m^3)	Max. Day/ Capacity (%)	Total Flow (m^3)	Average Day (m^3)	Maximum Day (m^3)	Max. Day/ Capacity (%)
January	608.19	19.62	33.20	14.50	251.74	8.12	13.82	9.87
February	496.56	17.73	32.04	13.99	206.92	7.39	13.32	9.51
March**	532.37	17.17	21.45	9.37	221.60	7.15	9.01	6.44
April**	578.57	19.29	33.10	14.46	250.93	8.36	14.34	10.24
May	510.23	16.46	28.83	12.59	219.61	7.08	12.33	8.81
June	365.32	12.18	29.42	12.85	154.55	5.15	12.27	8.76
July	525.32	16.95	39.07	17.06	217.44	7.01	16.02	11.44
August	568.60	18.34	42.75*	18.67	231.29	7.46	17.40*	12.43
September	335.02	11.17	19.73	8.61	134.89	4.50	7.87	5.62
October	295.95	9.55	20.70	9.04	116.64	3.76	8.15	5.82
November	216.98	7.23	19.30	8.43	84.47	2.82	7.49	5.35
December	296.09	9.55	20.42	8.92	114.34	3.69	7.76	5.54

* Denotes month of maximum day flow for 2025.

** From March 30 to April 4, 2025, an ice storm disrupted pumphouse communications. Technicians followed loss-of-communication procedures, conducting site visits to verify disinfection and record chlorine residuals for the period.

Craighurst Crossing Booster Pumping Station and Reservoir Flow Summary Table

	Well 4				Well 5			
	Permitted Capacity: 3110 m^3/day				Permitted Capacity: 2721 m^3/day			
	Total Flow (m^3)	Average Day (m^3)	Maximum Day (m^3)	Max. Day/ Capacity (%)	Total Flow (m^3)	Average Day (m^3)	Maximum Day (m^3)	Max. Day/ Capacity (%)
January**								
February**								
March**								
April**								
May	320.53	26.71	197.35*	6.35	19.27	1.75	11.37	0.42
June	598.36	19.95	147.28	4.74	1225.06	40.84	449.41*	16.52
July	1010.56	33.69	153.22	4.93	965.61	31.15	290.24	10.67
August	942.00	31.40	88.00	2.83	1667.00	55.57	155.00	5.70
September	746.00	24.87	79.00	2.54	1712.00	57.07	151.00	5.55
October	189.00	6.10	40.00	1.29	1972.00	63.61	333.00	12.24
November	506.00	18.07	61.00	1.96	828.00	29.57	96.00	3.53
December	697.00	22.48	67.00	2.15	1100.00	35.48	96.00	3.53

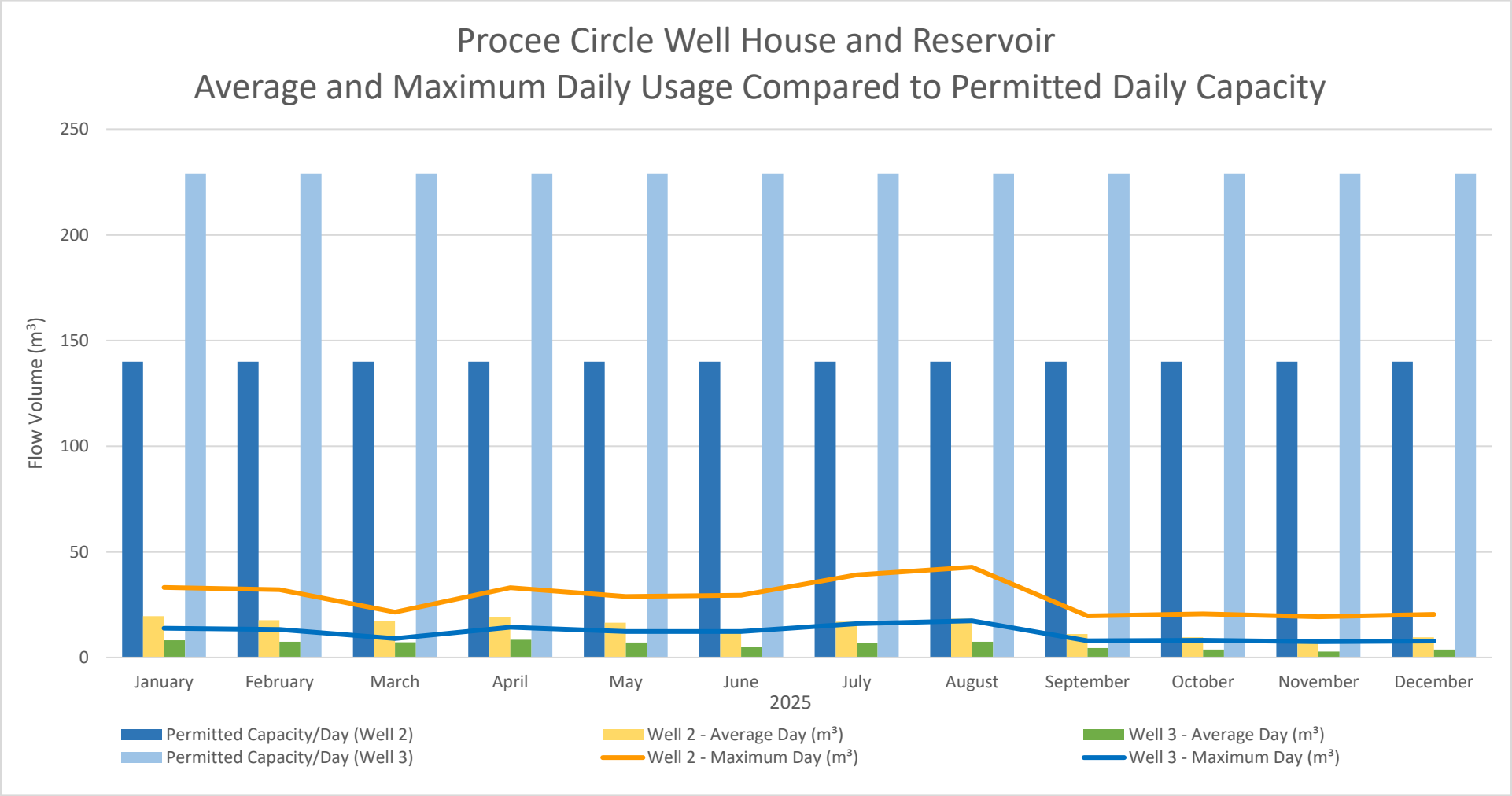
* Denotes month of maximum day flow for 2025.

**Wells 4 and 5 came online in May 2025.

***Total flow does not include November 22 to 23, 2025, flows due to a PLC recording issue.

Appendix B – Average and Maximum Daily Usage Compared to Permitted Daily Capacity

Average and Maximum Daily Usage Compared to Permitted Daily Capacity Graph
Procee Circle Well House and Reservoir



Average and Maximum Daily Usage Compared to Permitted Daily Capacity Graph
Craighurst Crossing Booster Pumping Station and Reservoir