Carleton Place Drinking Water System

Waterworks # 210000372

System Category – Large Municipal Residential

Annual Water Report

Prepared For: The Town of Carleton Place

Reporting Period of January 1st – December 31st 2024

Issued: 2025-02-24

Revision: 0

Operating Authority:

OCWA

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

This report has been prepared to satisfy the annual reporting requirements in O.Reg 170/03

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Report Availability

The Carleton Place Drinking Water system (DWS) serves more than 13,000 residents and the annual report will be available to residents at the Town of Carleton Place Municipal Office and on the website (www.carletonplace.ca). Notification will be provided on the website and copies of the annual report provided free of charge if requested. The Town of Carleton Place Municipal Office is located at 175 Bridge Street, Carleton Place, Ontario.

There are no additional drinking water systems that receive water from this facility.

Compliance Report Card

Compliance Event	# of Events	Details
Ministry of Environment Inspections	0	No Inspections during the reporting period
Municipal Drinking Water Licence Drinking Water Works Permit	1	New Permit to Take Water issued November 16th, 2024 – increased capacity due to upcoming plant upgrades. DWWP Renewal required in 2025
Ministry of Labour Inspections	0	No Inspections during the reporting period
QEMS External Audit	1	One (1) External Surveillance Audit
AWQI's	0	No AWQI's during the reporting period
Non-Compliance	0	No Non-Compliances
Spill Incidents	0	No Spills

System Process Description

Raw water is directed from the Mississippi River through a series of screens and into the raw water well. The raw water well is equipped with low lift pumps which transmit the raw water to the two (2) Actiflo™ treatment process trains. The common raw water header is equipped with a flow meter. An in-line static mixer and coagulant injection point are located just downstream of the flow meter. The system is designed to provide pre-chlorination and zebra mussel control. The pre-chlorination system is not currently used.

Each Actiflo™ treatment train consists of a coagulation tank, an injection tank, a maturation tank and a settling tank with lamella settling tubes. Each treatment train is complete with Microsand recirculation pumps, piping and Hydrocyclones, which are used to separate the Microsand from residual solids. A polymer coagulant aid is added to the process at the Hydrocyclones and in the maturation tank.

The effluent from the two (2) Actiflo™ settling tanks is discharged to a concrete splitter box which divides the flow to three (3) cylindrical double compartment dual media (sand/anthracite) gravity filters. The filters are each equipped with underdrains, self-contained backwash storage compartments, air scour systems and automated control valves for backwash operations. Filtered water is chlorinated and fluoridated prior to being directed to two (2) underground storage reservoirs, which include isolation gates and piping for flow control. The Carleton Place DWS has provision to add lime to the filtered water for pH control. Four (4) high lift pumps discharge treated water into the distribution system.

Backwash wastewater and Actiflo™ residuals are discharged to a two-compartment settling tank equipped with two sludge pumps and two supernatant pumps. One compartment is configured to receive the Actiflo™ residuals and one compartment is configured to receive the filter backwash residue. The Actiflo™ compartment is configured to send all residues to the on-site pumping station. The pumping station pumps the residue to the sewer collection system.

The filter backwash compartment is configured to pump the supernatant to the Mississippi River while settled sludge is discharged to the sanitary sewer. At this time, both supernatant and sludge are pumped to the sanitary sewer.

The distribution system for the Town of Carleton Place includes a 3,180 m^3 elevated water storage tower located on Nelson Street, east of Park Street. The water tower has provision for chlorine boosting with 12% NSF Sodium Hypochlorite, which is used in the summer months.

Treatment Chemicals used during the reporting year:

Chemical Name	Use	Supplier
PAS8	Primary Coagulation	Kemira
Polymer	Coagulation Aid	Northland Chemical
Hydrofluosilicic Acid	Fluoridation	Brenntag
Chlorine Gas	Primary Disinfection	Brenntag
Sodium Hypochlorite	Distribution Disinfection Boosting	Brenntag

Summary of Non-Compliance

Adverse Water Quality Incidents

There were no adverse water quality incidents.

Non-Compliance's Reported by the Operating Authority

Legislation	requirement(s) system failed to meet	duration of the failure (i.e. date(s))	Corrective Action	Status
There were no non-compliances during the reporting period				

Non-Compliance Identified in a Ministry Inspection:

Legislation	requirement(s) system failed to meet	duration of the failure (i.e. date(s))	Corrective Action	Status
No non-compliances during the Ministry Inspection				

Spill Incident

Date	Location	Details	Corrective Action
There were no spills during the reporting period			

Flows

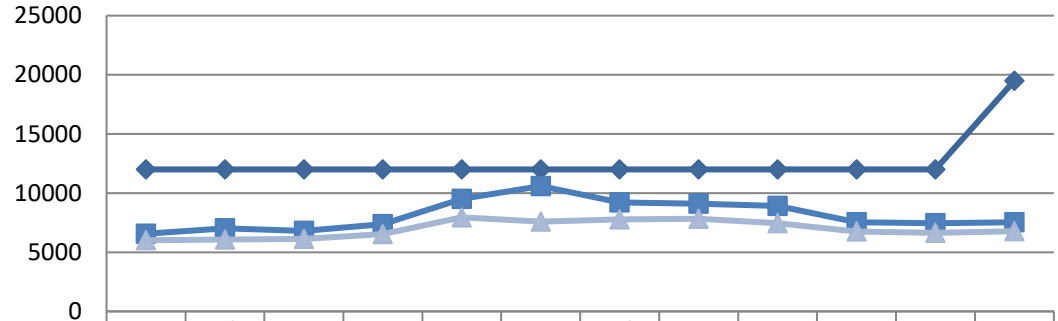
The Carleton Place Drinking Water System exceeded half the rated capacity on average for all months. Max daily flows exceeded half the capacity in all months.

Raw Water Flows

The Raw Water flows are regulated under the Permit to Take Water. 2024 Raw Flow Data was submitted to the Ministry electronically under permit #1310-9UHPPW until November 16th, 2024. The flows from November 16th to December 31st were submitted under permit #P-300-1301877810. The confirmations are attached in Appendix A.

Total Monthly Flows (m^3/d)

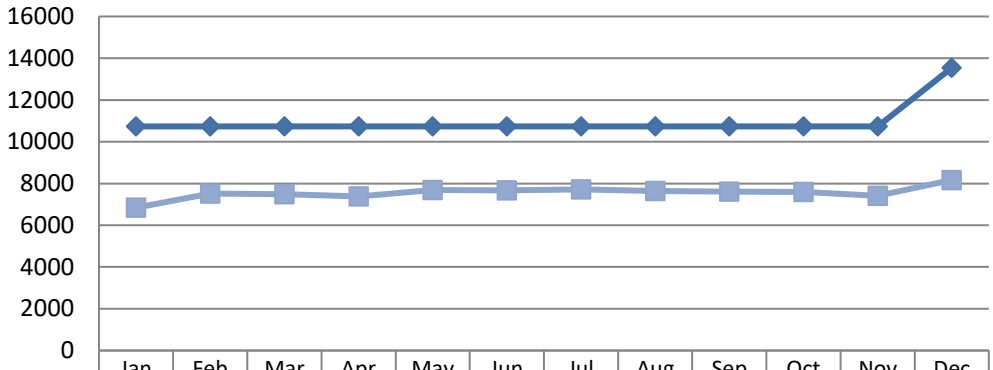
Max Allowable PTTW



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable (m^3/d)	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	19500
Max Flow (m^3/d)	6563	7016	6814	7374	9520	10591	9202	9091	8914	7542	7450	7525
Avg (m^3/d)	6011	6072	6114	6540	7951	7580	7773	7831	7460	6747	6642	6769

Monthly Rated Flows (L/min)

Max allowable rate - PTTW



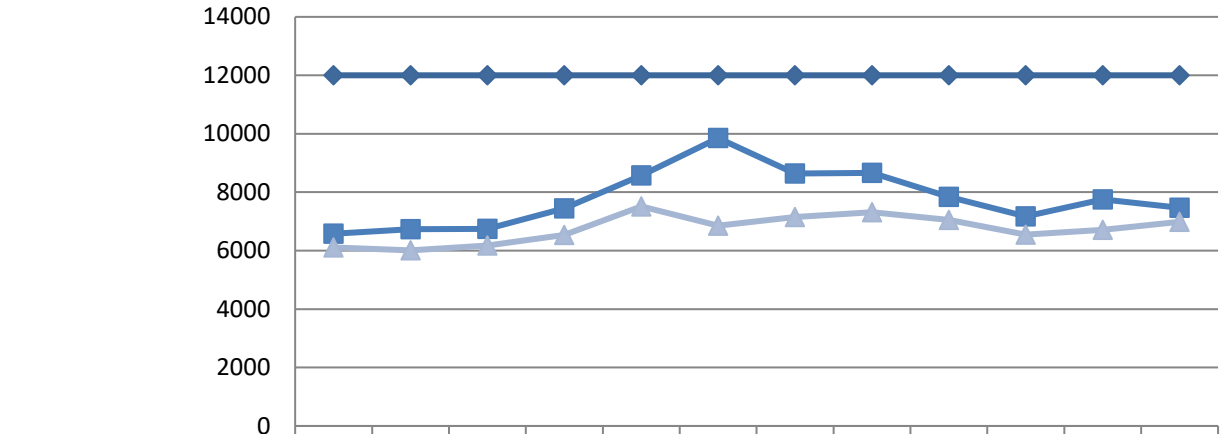
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Rate (L/min)	10734	10734	10734	10734	10734	10734	10734	10734	10734	10734	10734	13541
Max Rate (L/min)	6837	7516	7494	7376	7692	7674	7717	7636	7614	7594	7407	8166

Treated Water Flows

The Treated Water flows are regulated under the Municipal Licence.

Monthly Rated Flows

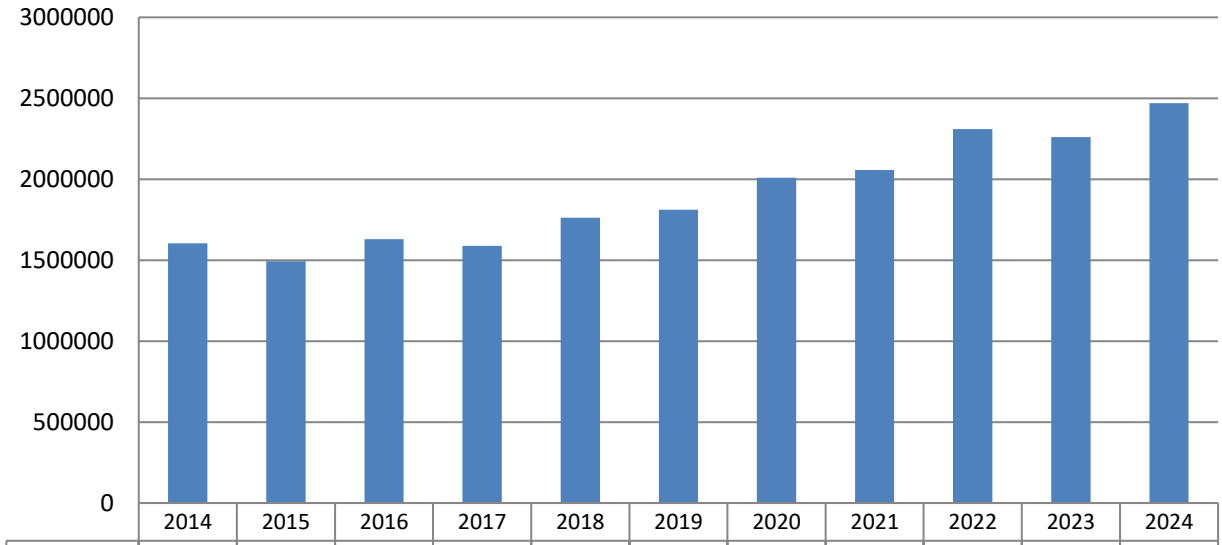
Rated Capacity - MDWL



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rated Capacity (m^3/d)	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000
Max Daily Flow (m^3/d)	6578	6735	6744	7444	8575	9851	8644	8658	7845	7175	7750	7466
Avg (m^3/d)	6109	6009	6171	6532	7513	6850	7146	7314	7049	6549	6715	6987

Annual Total Flow Comparison

Total Annual m^3



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
WTP (m^3)	1604983	1492930	1630659	1588005	1762796	1812322	2010250	2056118	2309478	2260815	2470067

Regulatory Sample Results Summary

Microbiological Testing

	No. of Samples Collected	Range of E.Coli Results		Range of Total Coliform Results		Number of HPC Samples	Range of HPC Results	
		Min	Max	Min	Max		Min	Max
Raw Water	53	0	9	2	140			
Treated Water	53	0	0	0	0	53	2	2
Distribution Water	371	0	0	0	0	265	2	42

Operational Testing

	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Turbidity, In-House (NTU) - RW	125	0.34	2
Turbidity, On-Line (NTU) - TW	8760	0.04	2.0*
Turbidity, On-Line (NTU) - Filt1A	8760	0.05	0.89
Turbidity, On-Line (NTU) - Filt1B	8760	0.04	0.86
Turbidity, On-Line (NTU) - Filt2A	8760	0.05	0.77
Turbidity, On-Line (NTU) - Filt2B	8760	0.06	1.02
Turbidity, On-Line (NTU) - Filt3A	8760	0.05	0.74
Turbidity, On-Line (NTU) - Filt3B	8760	0.05	0.96
Free Chlorine Residual, On-Line (mg/L) - TW	8760	1.19	2.52
Free Chlorine Residual, In-House (mg/L) - TW	124	1.28	2.29
Free Chlorine Residual, TW Field (mg/L) Lab Upload - TW	65	1.40	2.40
Total Chlorine Residual, In-House (mg/L) - TW	123	1.44	2.46
Free Chlorine Residual, On-Line (mg/L) - DW	8760	0.47	2.09
Free Chlorine Residual, DW Field (mg/L) Lab Upload - DW	374	0.4	2.04
Fluoride Residual, On-Line (mg/L) - TW	8760	0.18	0.88
Fluoride Residual, In-House (mg/L) - TW	119	0.15	1.3

*NOTE: Spikes recorded by on-line instrumentation were a result of air bubbles and various maintenance/calibration activities. All spikes are reviewed for compliance with O.Reg 170/03.

Inorganic Parameters

These parameters are tested as a requirement under O.Reg 170/03. Sodium and Fluoride are required to be tested every 5 years, although Fluoride is tested monthly since it is added to the treatment process. Nitrate and Nitrite are tested quarterly, and the metals are tested annually as required under O.Reg 170/03. In the event any of the parameters exceed half of the maximum allowable concentration the parameter is required to be sampled quarterly.

- MAC = Maximum Allowable Concentration as per O.Reg 169/03
- MDL = Below the laboratory detection level

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Treated Water					
Antimony: Sb (ug/L) - TW	2024/01/09	<MDL 0.1	6.0	No	No
Arsenic: As (ug/L) - TW	2024/01/09	0.2	10.0	No	No
Barium: Ba (ug/L) - TW	2024/01/09	51	1000.0	No	No
Boron: B (ug/L) - TW	2024/01/09	<MDL 5	5000.0	No	No
Cadmium: Cd (ug/L) - TW	2024/01/09	<MDL 0.015	5.0	No	No
Chromium: Cr (ug/L) - TW	2024/01/09	<MDL 1	50.0	No	No
Mercury: Hg (ug/L) - TW	2024/01/09	<MDL 0.02	1.0	No	No
Selenium: Se (ug/L) - TW	2024/01/09	<MDL 1	50.0	No	No
Uranium: U (ug/L) - TW	2024/01/09	0.06	20.0	No	No
Additional Inorganics					
Fluoride (mg/L) - TW	2024	Min 0.3- Max 0.7	1.5	No	No
Nitrite (mg/L) - TW	2024/02/13	0.06	1.0	No	No
Nitrite (mg/L) - TW	2024/05/14	<MDL 0.05	1.0	No	No
Nitrite (mg/L) - TW	2024/08/13	<MDL 0.05	1.0	No	No
Nitrite (mg/L) - TW	2024/11/12	<MDL 0.05	1.0	No	No
Nitrate (mg/L) - TW	2024/02/13	0.12	10.0	No	No
Nitrate (mg/L) - TW	2024/05/14	<MDL 0.05	10.0	No	No
Nitrate (mg/L) - TW	2024/08/13	<MDL 0.05	10.0	No	No
Nitrate (mg/L) - TW	2024/11/12	<MDL 0.05	10.0	No	No
Sodium: Na (mg/L) - TW	2020/02/25	5.3	20*	No	No

*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

Schedule 15 Sampling:

The Schedule 15 Sampling is required under O. Reg 170/03. This system is under reduced sampling and no plumbing samples were collected. Lead samples were collected in February and July 2023, and are not required to be sampled until 2026.

	Number of Sampling Points	Number of Samples	Range of Results (mg/L)		MAC (ug/L)	Number of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	8	8	68	95		
pH	8	8	6.69	7.17		
Lead (ug/l)	-	-	-	-	10	-

Organic Parameters

These parameters are tested annually as a requirement under O.Reg 170/03. In the event any of the parameters exceed half of the maximum allowable concentration the parameter is required to be sampled quarterly.

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Exceedances	
				MAC	1/2 MAC
Treated Water					
1,1-Dichloroethylene (ug/L)-TW	2024/01/09	< MDL 0.5	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2024/01/09	< MDL 0.5	200	No	No
1,2-Dichloroethane (ug/L)-TW	2024/01/09	< MDL 0.5	5	No	No
1,4-Dichlorobenzene (ug/L)-TW	2024/01/09	< MDL 0.5	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2024/01/09	< MDL 0.2	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2024/01/09	< MDL 0.2	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2024/01/09	< MDL 0.2	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2024/01/09	< MDL 1	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2024/01/09	< MDL 10	100	No	No
Alachlor (ug/L) -TW	2024/01/09	< MDL 0.3	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2024/01/09	< MDL 0.5	5	No	No
Azinphos-methyl (ug/L)-TW	2024/01/09	< MDL 1	20	No	No
Benzene (ug/L)-TW	2024/01/09	< MDL 0.5	1	No	No
Benzo(a)pyrene (ug/L)-TW	2024/01/09	< MDL 0.006	0.01	No	No
Bromoxynil (ug/L)-TW	2024/01/09	< MDL 0.5	5	No	No
Carbaryl (ug/L)-TW	2024/01/09	< MDL 3	90	No	No
Carbofuran (ug/L) -TW	2024/01/09	< MDL 1	90	No	No
Carbon Tetrachloride (ug/L) -TW	2024/01/09	< MDL 0.2	2	No	No
Chlorpyrifos (ug/L) -TW	2024/01/09	< MDL 0.5	90	No	No
Diazinon (ug/L)-TW	2024/01/09	< MDL 1	20	No	No
Dicamba (ug/L)-TW	2024/01/09	< MDL 1	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2024/01/09	< MDL 5	50	No	No
Diclofop-methyl (ug/L)-TW	2024/01/09	< MDL 0.9	9	No	No
Dimethoate (ug/L)-TW	2024/01/09	< MDL 1	20	No	No
Diquat (ug/L)-TW	2024/01/09	< MDL 5	70	No	No
Diuron (ug/L)-TW	2024/01/09	< MDL 5	150	No	No
Glyphosate (ug/L)-TW	2024/01/09	< MDL 25	280	No	No
Malathion (ug/L)-TW	2024/01/09	< MDL 5	190	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Exceedances	
				MAC	1/2 MAC
Metolachlor (ug/L)-TW	2024/01/09	< MDL 3	50	No	No
Metribuzin (ug/L)-TW	2024/01/09	< MDL 3	80	No	No
Paraquat (ug/L)-TW	2024/01/09	< MDL 1	10	No	No
PCB (ug/L)-TW	2024/01/09	< MDL 0.05	3	No	No
Pentachlorophenol (ug/L)-TW	2024/01/09	< MDL 0.2	60	No	No
Phorate (ug/L)-TW	2024/01/09	< MDL 0.3	2	No	No
Picloram (ug/L)-TW	2024/01/09	< MDL 5	190	No	No
Prometryne (ug/L)-TW	2024/01/09	< MDL 0.1	1	No	No
Simazine (ug/L)-TW	2024/01/09	< MDL 0.5	10	No	No
Terbufos (ug/L)-TW	2024/01/09	< MDL 0.5	1	No	No
Tetrachloroethylene (ug/L)-TW	2024/01/09	< MDL 0.5	10	No	No
Triallate (ug/L) -TW	2024/01/09	< MDL 10	230	No	No
Trichloroethylene (ug/L)-TW	2024/01/09	< MDL 0.5	5	No	No
Trifluralin (ug/L)-TW	2024/01/09	< MDL 0.5	45	No	No
Vinyl Chloride (ug/L)-TW	2024/01/09	< MDL 0.2	1	No	No
Distribution Water					
Trihalomethane: Total (ug/L) Annual Running Average - DW	RAA	79.0	100.00	No	Yes
Haloacetic Acid: Total (ug/L) Annual Running Average - DW	RAA	62.7	80.0	No	Yes

MAC = Maximum Allowable Concentration as per O.Reg 169/03
<MDL = Below the laboratory minimum detection level

Additional Legislated Samples

Filter Backwash Effluent

The filter backwash sampling is required only when discharging to the Mississippi River. The discharge to the Mississippi River is no longer in use; instead, all residual solids are directed to the sanitary sewers.

Hazardous Algae Bloom (HAB) Sampling

Schedule C: System-Specific Conditions of Municipal Drinking Water License #172-101 requires the Carleton Place Drinking Water System to have a Harmful Algal Bloom (HAB) plan. The HAB plan is implemented when the source water has a history of blooms or a potential harmful algal bloom is suspected or present and requires Raw and Treated water be sampled on a weekly basis for Microcystin during the Harmful Algal Bloom season, which occurs from June 1st to October 31st of each year. HAB sampling did not occur in 2024 as there were no present or suspected HABs in the Mississippi River.

	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Microcystin (ug/L) - RW	0	N/A	N/A
Microcystin (ug/L) - TW	0	N/A	N/A

<MDL = Below the laboratory minimum detection level

Major Maintenance Summary

WO #	Description
3759815	Tower Chlorine Panel Replacement Parts
3761677	Polymer and PAS8 Pump Repair Kits
3762770	Raw Water Well Inspection and Clean Out
3763086	Annual Tower Safety Inspection
3764018	New Chlorine Analyzer and Panel
3765573	Fluoride Transfer Pump Replacement
3803381	Fluoride Pump Repair Kits
3806861	Pump Alignment Tools
3899382	Distribution Chlorine Reference Electrode
3899832	Annual Chlorine System Maintenance/Repairs
3903634	Replacement Pneumatic Actuator for Actiflo
3949306	Low Lift 2 Motor Rebuild
3951095	Low Lift 2 MCC Bucket and Breaker Assembly Replaced
3952574	Online Analyzer Instrumentation Annual Calibration and Verification
4000444	Polymer pump Repair Kits and Springs
4093755	Dehumidifier Annual Maintenance and Repair
4143273	SAI External Audit (2024)
4278171	High Lift 4 VFD Replaced

Distribution Maintenance

The distribution system is operated by the Town of Carleton Place. Town Staff responded to 34 complaints during 2024. The chart below outlines the nature and response of each complaint.

Date	Complaint	Location	Description
2024/01/18	Break	8 Bruce Crescent	Watermain Break - main was repaired on January 30, 2024
2024/01/22	Noise	116 Caldwell	Leak on private property
2024/02/06	Taste	Findlay Condos	Possible internal plumbing issue
2024/02/16	Noise	443 Dufferin St	Leak on municipal property
2024/02/26	Pressure	71 Nelson Street West	Leak on private property

Date	Complaint	Location	Description
2024/04/09	Visual	228 Blair St.	Monthly flushing activities
2024/05/16	Noise	12 Neelin St.	Leak on homeowner's side
2024/ 05/21	Pressure	8 LeBlanc	Staff investigated, no further action required
2024/05/28	Visual	134 & 149 Sarah Street	Flushing activities nearby
2024/05/31	Pressure	331 Bridge Street	Leak on private service
2024/05/31	Visual	17 Townline Road West	Resident did not provide access to the property and did not schedule follow-up visit
2024/06/10	Pressure	60 Peever	Curbstop was in the off position
2024/06/26	Service Issue	455 Moffatt	Possible foundation issue, not a service leak
2024/07/02	Service Issue	200 Preston Dr.	Sink hole forming next to stand post & impacting her driveway - landscaping issue
2024/07/12	Pressure	111 Dunham Street	No issue detected
2024/07/22	Pressure	2 Antonakos Dr	Curb stop was partially closed
2024/08/03	Basement Flooding	281 Bridge Street	Internal plumbing leak
2024/08/07	Odour	317 High St	Advised homeowner to have their hot water tank checked
2024/08/20	Service Issue	254 Bridge Street	Internal leak, but required repair to stand post
2024/08/26	Pressure	27 Campbell	Interior plumbing issue
2024/09/30	Noise	257 Sarah Street	Leak on homeowner's side
2024/10/09	Odour / taste	225 Preston	Explain the chlorination process
2024/10/17	Noise	18 Neelin	Leak on municipal portion
2024/10/22	Visual	25 Napoleon St	Debris in water in toilet
2024/11/09	Service issue	79 Patterson Cres	Leak detected on homeowner's side
2024/11/18	Noise	10 Wright St	Private leak
2024/11/21	Pressure	18 Allan St	Caller cancelled request - staff did not respond
2024/11/22	Service issue	36 Lake Ave West	Shut off request for plumbing repair
2024/11/7	Taste	19 Alexander St	Likelihood of internal plumbing issue
2024/11/27	Pressure	81 Victoria St	Water was accidently turned off by contractor
2024/11/27	Visual	273 William St	Stain on road might be from garbage or from a vehicle - no noise on curb stop

Date	Complaint	Location	Description
2024/12/10	Noise	214 Lake Ave east	Private leak
2024/12/14	Noise	483 Joseph Street	Leak on private service
2024/12/22	Service Issue	338 Lake Ave East	Service was frozen in utility room
2024/12/23	Frozen Service	32-A Bridge St	Service was thawed by staff and resident was instructed to run water to prevent future freezing

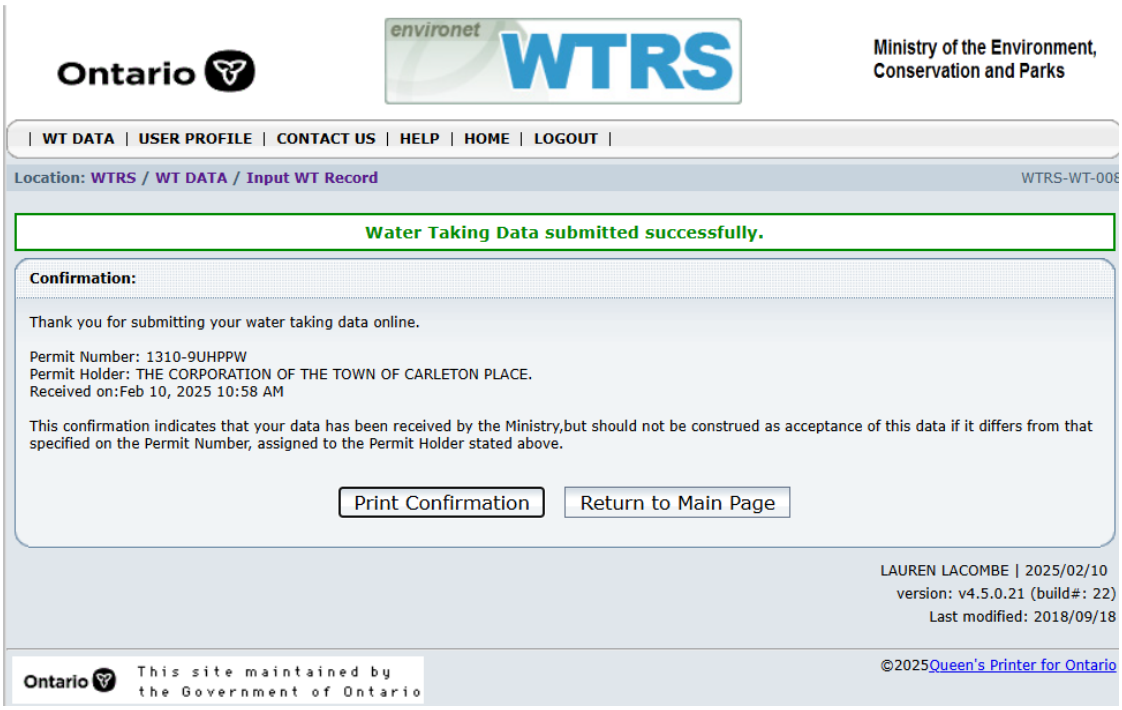
Distribution Highlights

Distribution Operational highlights for 2024 include the following:

- Water Operators completed mandatory training to maintain drinking water licenses.
- Staff provided oversight on several projects including 10432 Highway 7, 51 Roe St, Costello Health Hub, 277 Coleman Street, and McArthur Island development.
- Completed the installation of the new bulk water station.
- Received and placed new valve turning machine into service.
- Completed fire flow testing.
- New Backflow Prevention Bylaw was approved by Council.
- Supervised installation of temporary water supply to homes on Nelson Street West and assisted Cavanagh Construction Ltd. where necessary during the 2024 construction season.
- Exercised approximately 40% of the valves within the distribution system, which exceeded our target of 33%.
- Completed flushing activities.
- Completed approximately 1416 locates in 2024.

Appendix A

Appendix A - WTRS Data and Submission Confirmation



Ontario

environet WTRS

Ministry of the Environment, Conservation and Parks

| WT DATA | USER PROFILE | CONTACT US | HELP | HOME | LOGOUT |

Location: WTRS / WT DATA / Input WT Record WTRS-WT-008

Water Taking Data submitted successfully.

Confirmation:

Thank you for submitting your water taking data online.

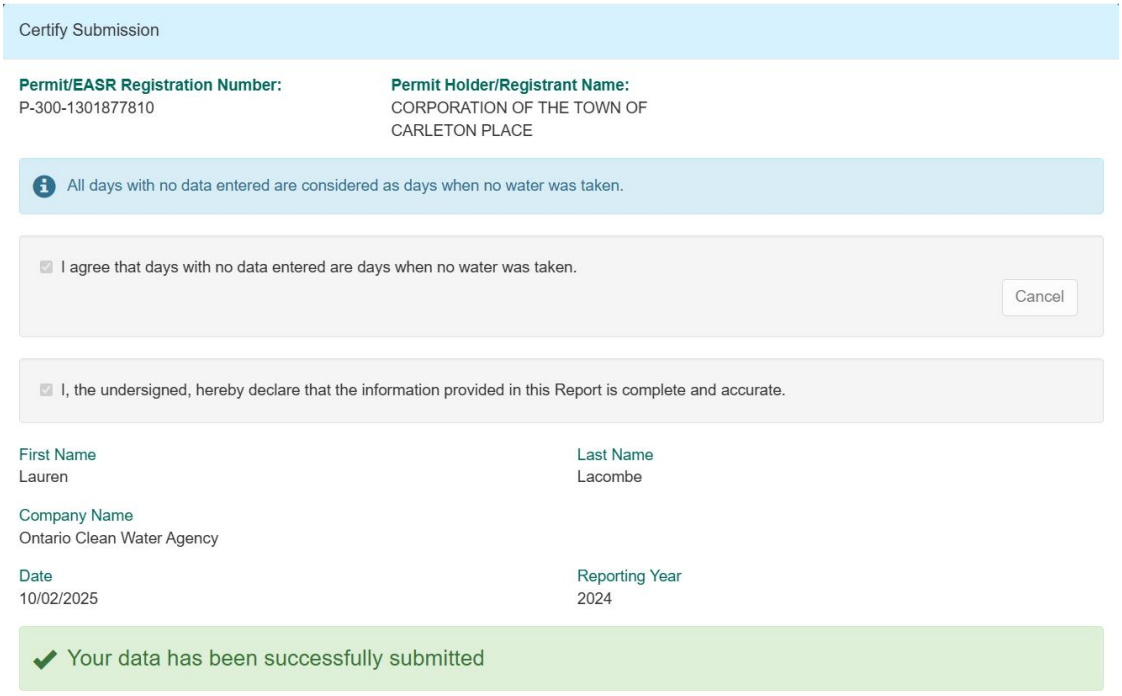
Permit Number: 1310-9UHPPW
Permit Holder: THE CORPORATION OF THE TOWN OF CARLETON PLACE.
Received on:Feb 10, 2025 10:58 AM

This confirmation indicates that your data has been received by the Ministry,but should not be construed as acceptance of this data if it differs from that specified on the Permit Number, assigned to the Permit Holder stated above.

Print Confirmation Return to Main Page

LAUREN LACOMBE | 2025/02/10
version: v4.5.0.21 (build#: 22)
Last modified: 2018/09/18

Ontario This site maintained by the Government of Ontario



Certify Submission

Permit/EASR Registration Number:
P-300-1301877810

Permit Holder/Registrant Name:
CORPORATION OF THE TOWN OF CARLETON PLACE

All days with no data entered are considered as days when no water was taken.

I agree that days with no data entered are days when no water was taken.

Cancel

I, the undersigned, hereby declare that the information provided in this Report is complete and accurate.

First Name
Lauren

Last Name
Lacombe

Company Name
Ontario Clean Water Agency

Date
10/02/2025

Reporting Year
2024

Your data has been successfully submitted

CARLETON PLACE DRINKING WATER SYSTEM / Raw Water

Yearly Summary (Flow) 2024

Station: **Units:** cubic meter per day **Daily Max:** 10591.18 on June 05

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6195.48	5710.82	6261.72	6457.46	6942.26	10362.54	7198.55	9090.89	7224.92	6931.58	6050.68	6567.09
2	5612.26	5928.50	6814.27	6214.34	7096.80	9724.70	7850.84	8330.95	7788.32	6554.70	6845.76	7001.60
3	6128.94	5809.71	6054.02	6422.61	6380.50	10578.92	6983.66	8683.46	7569.72	7188.27	6893.30	6283.95
4	6027.82	5996.05	5431.35	5876.91	7606.55	10568.66	8485.89	8934.61	8914.39	6218.21	6298.59	7381.06
5	5812.04	5754.78	5971.57	6391.66	6986.78	10591.18	7579.77	7527.44	7893.79	7001.48	6771.77	6627.87
6	6260.19	6501.44	6036.09	6680.52	6876.76	9527.71	6716.06	8264.30	7058.16	7221.25	6752.87	5592.76
7	6099.42	5474.46	6349.34	6631.17	7453.60	5898.46	7670.68	8226.66	6940.55	6499.57	6353.90	7187.98
8	5674.65	6536.66	5567.53	5951.26	7120.45	6369.54	7355.67	7464.78	7282.61	7290.20	6146.30	7054.86
9	5874.80	5400.27	6249.26	6718.39	7738.35	6695.09	7043.63	6935.77	7356.07	6738.46	6742.81	6843.47
10	5864.57	6616.32	6216.89	6595.59	7113.26	6212.83	6788.88	7073.23	7193.03	6288.51	6954.40	5933.55
11	5686.05	5991.27	5776.28	6143.95	7676.41	6595.43	5978.62	7189.09	7865.08	7095.79	6544.79	6811.41
12	6215.40	6003.21	6007.14	6095.23	7252.04	6562.18	8331.67	7207.80	7153.72	6619.39	6720.75	6649.01
13	5691.31	6174.12	5573.41	6419.93	7609.06	6316.24	8049.61	8273.44	7959.58	6684.03	6244.69	7122.06
14	6047.42	5769.49	6091.17	6588.06	7454.90	7017.06	7601.98	8123.42	7453.04	7107.05	6479.96	6755.74
15	6185.07	6673.78	5335.18	6546.48	7379.07	7314.54	8359.52	8393.72	8098.69	6618.17	6395.51	6802.40
16	6102.74	5450.63	6270.16	6549.69	7576.04	7614.60	6875.11	8129.59	7717.33	6216.47	6319.59	6668.99
17	5480.58	6766.31	6668.22	6556.26	8278.54	7884.70	8580.86	7261.21	7636.73	7048.16	7450.13	6824.30
18	6560.77	5543.83	5839.66	6617.55	7654.22	8080.72	7353.28	6967.57	7649.94	6606.16	6586.62	6802.70
19	5770.01	6652.02	5787.50	6249.99	8476.71	8797.97	7944.02	7849.57	7388.35	6885.96	6698.22	6952.55
20	6409.55	6248.85	6337.00	6990.98	8285.39	7724.52	7912.86	7723.97	7338.44	7542.15	6524.72	6265.79
21	6414.83	5969.55	5748.65	6890.81	9396.23	6594.55	7816.25	7262.23	7460.64	6557.84	6945.68	6627.81
22	5819.16	6324.64	6463.46	6648.91	7936.28	6471.32	8532.89	6978.46	7306.97	6572.55	6158.45	7525.23
23	6153.13	5783.26	6554.61	6451.39	8469.95	6518.97	8717.32	8194.01	7544.73	7188.10	6843.32	7108.97
24	5887.11	5918.24	6495.90	6499.66	8801.28	7021.22	8205.96	7561.37	7034.60	6765.25	7324.30	7355.61
25	6036.59	7016.18	5873.85	6788.75	8972.08	6474.44	6783.30	8019.96	6785.96	6012.08	6380.38	6550.41
26	5990.50	6189.23	6010.75	6546.20	8798.51	7250.66	7896.49	8944.52	6856.77	6753.06	6578.25	6549.28
27	6313.81	5799.22	6581.40	7374.17	9519.56	6785.62	8379.15	7973.22	6625.33	7218.48	6466.18	6302.62
28	6354.43	6441.00	5743.10	7180.51	8668.13	6656.34	8018.51	7961.76	7686.50	6372.24	6771.30	7163.61
29	5692.26	5646.54	6514.66	6932.71	9108.92	6531.43	8524.40	7150.15	7836.75	6982.44	6869.40	7277.97
30	6562.99		6591.84	6192.47	9037.05	6666.21	9202.47	7713.81	7165.88	6282.36	7147.24	6570.16
31	5421.85		6331.60		8821.61		8216.26	7337.75		6100.43		6672.37
Min	5421.85	5400.27	5335.18	5876.91	6380.50	5898.46	5978.62	6935.77	6625.33	6012.08	6050.68	5592.76
Mean	6011.15	6072.08	6114.44	6540.12	7951.20	7580.28	7772.71	7830.60	7459.55	6747.11	6642.00	6768.81
Max	6562.99	7016.18	6814.27	7374.17	9519.56	10591.18	9202.47	9090.89	8914.39	7542.15	7450.13	7525.23