Town of Prescott
Drinking Water System

Waterworks # 220001245
System Category – Large Municipal Residential

2025 Annual Water Report

Prepared For: Town of Prescott

Reporting Period of January 1st – December 31st 2025

Issued: February 18, 2026

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 Section 11 and Schedule 22

Table of Contents

Revision History

Date	Revision #	Revision Notes
February 18, 2026	0	Annual report issued

Report Availability

This system does not serve more than 10,000 residence and the annual reports will be available to residents at the Town Hall located at 360 Dibble Street West, Prescott, Ontario, as well as on the Town website. (www.prescott.ca) Copies are provided free of charge if requested.

Compliance Report Card

Compliance Event	# of Events
Ministry of Environment Inspections	- 1 Ministry Inspection on February 14, 2025 - Final Inspection Rating: 100%
Ministry of Labour Inspections	- No Ministry of Labour inspections in 2025
QEMS External Audit	- 1 QEMS Audit on April 25, 2025
AWQI's/BWA	- 5 AWQI's, Sample cross contamination in cooler
Non-Compliance	- No Non-compliance in 2025
Community Complaints	- 8 community complaints referenced in report
Spills	- No spills in 2025
Watermain Breaks	- 6 water main breaks repaired in 2025

System Process Description

Raw Source

Water is drawn from the St. Lawrence River into the plant via a 600 mm diameter steel intake pipe equipped with a sodium hypochlorite feed system for zebra mussel control. Raw water passes through a travelling screen unit located in the low lift building. The unit consists of wire mesh screens on a rotating belt. From there it is pumped to the plant for treatment.

Treatment

Once water enters the plant, an aluminum based coagulant is added and flash mixed. The water then travels to flocculation tanks where the coagulant is allowed time to attract fine particles from the water. From there, the water passes through one of three dual media rapid sand filters. Sodium hypochlorite and hydrofluosilicic acid are added as water enters the clearwell. To maximize contact time, the treated water is diverted to two baffled reservoirs, each with a capacity of 800 m^3. Four vertical turbine pumps are available for supplying the distribution demand as needed.

Treatment Chemicals used during the reporting year:

Chemical Name	Use	Supplier
Aluminum Sulphate	Coagulant	Kemira
Hydrofluosilicic Acid	Fluoridation	Univar
Sodium Hypochlorite	Disinfection	UBA

Distribution

Watermains in the distribution system are composed of PVC, cast iron and ductile iron. An elevated storage tank is located on Sophia Street and has a storage capacity of 4200 m^3. The storage facility provides for peak hour demands and fire flows.

Summary of Non-Compliance

Adverse Water Quality Incidents

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
07/15/25	169010 169011 169012 169013 169014	Prescott DWS	E.Coli/ Total Coliform	Cross contamination in sample cooler	170/03	Re Sample and test All resample results met compliance.

Non-Compliance

Legislation	requirement(s) system failed to meet	duration of the failure (i.e. date(s))	Corrective Action	Status
There were no Non-Compliance incidents reported 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
There were no actions identified in the received inspection report.				

Community Complaints

Date yyyy/mm/dd	Location	Details of Complaint	Corrective Action Taken
2025/01/13	122 Dibble East	Low Pressure	Plumbing within Premise
2025/01/30	EDW/CAR	Low Pressure	Watermain Break
2025/05/01	216 North Square	Low Pressure	Curb stop not fully open
2025/10/14	721 Boundary Rd	Discoloured water	Internal Plumbing
2025/10/28	EDW/CAR	Low Pressure	Watermain Break
2025/12/08	EDW/CAR	Low Pressure	Watermain Break
2025/12/08	Wellington House	Low Pressure	Watermain Break
2025/12/09	292 Russel St	No Water	No Issue

*Community complaints were received by the Town Staff

Flows

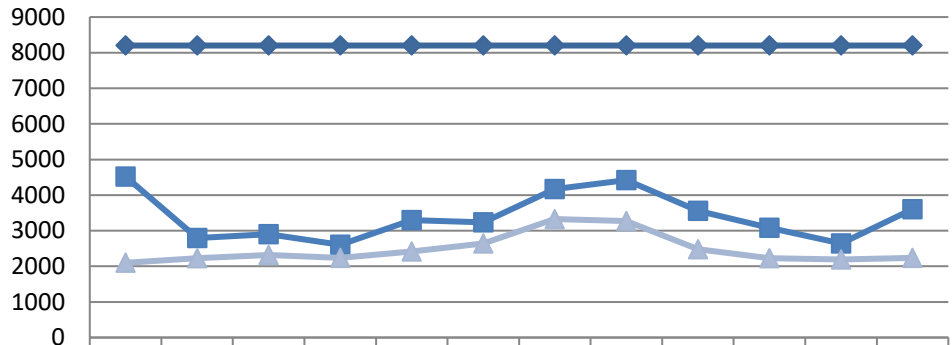
Prescott's drinking water system is operating on average under half the rated capacity.

Raw Water Flows

The Raw Water flows are regulated under the Permit to Take Water. 2025 Raw Flow Data was submitted to the Ministry electronically under permit #7246-DBCSX2. The confirmation and a copy of the data that was submitted are attached in Appendix A.

Total Monthly Flows (m3/d)

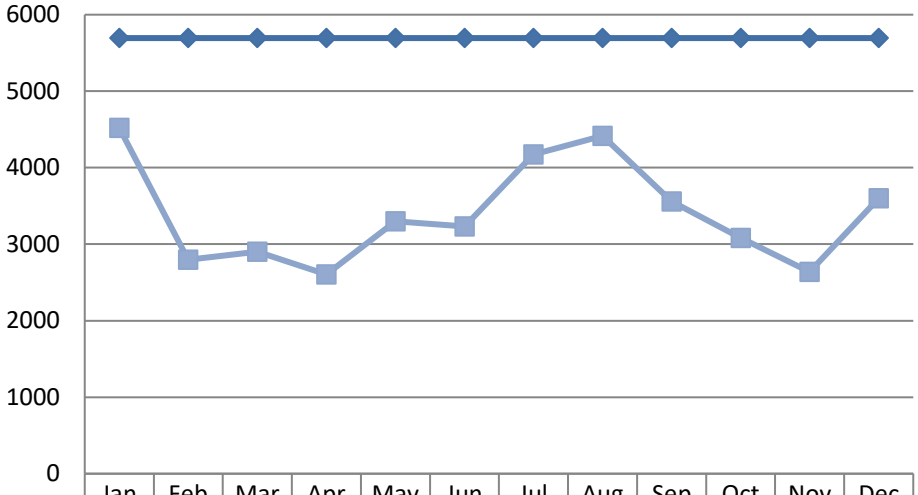
Max Allowable PTTW



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable (m3/d)	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200
Max Flow (m3/d)	4520	2796	2903	2605	3299	3231	4171	4416	3557	3080	2640	3599
Avg (m3/d)	2099	2231	2319	2236	2414	2643	3327	3268	2481	2224	2189	2234

Monthly Rated Flows (L/min)

Max allowable rate - PTTW



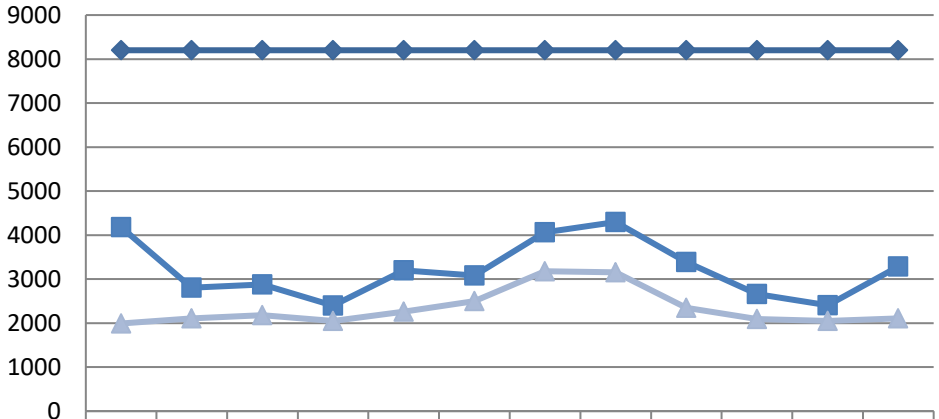
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Rate (L/min)	5694	5694	5694	5694	5694	5694	5694	5694	5694	5694	5694	5694
Max Rate (L/min)	4520	2796	2903	2605	3299	3231	4171	4416	3557	3080	2640	3599

Treated Water Flows

The Treated Water flows are regulated under the Municipal Licence.

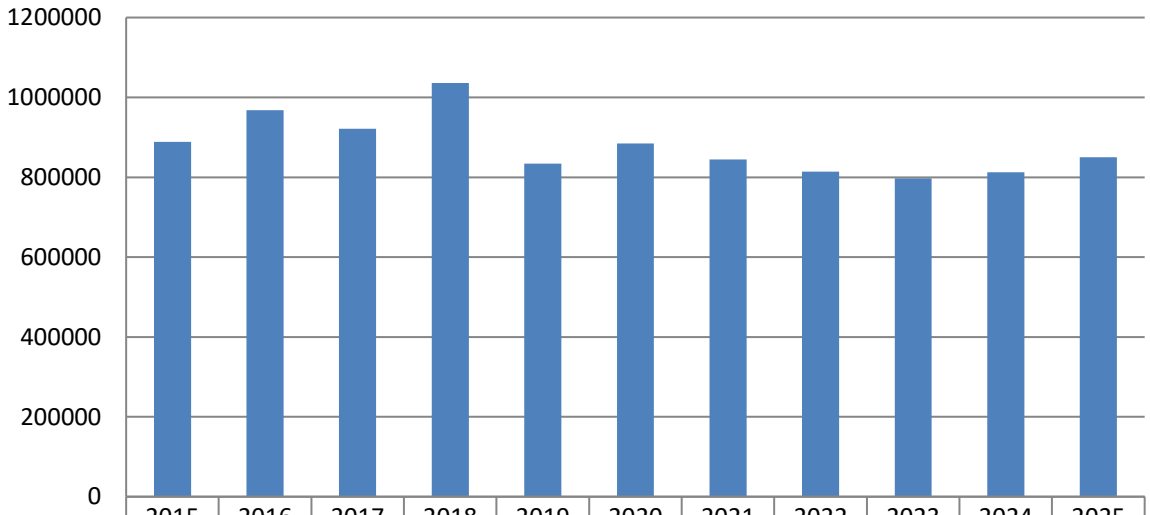
Monthly Rated Flows

Rated Capacity - MDWL



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rated Capacity (m3/d)	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200	8200
Max Daily Flow (m3/d)	4177	2802	2880	2398	3195	3084	4061	4297	3387	2661	2404	3284
Avg (m3/d)	1991	2107	2183	2047	2262	2500	3178	3157	2347	2093	2048	2106

Annual Total Flow Comparison



	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
WTP (m3)	888660	968039	921213	1036288	833833	884789	844284	813899	797101	812734	850181

Regulatory Sample Results Summary

Microbiological Testing

	# of Samples Collected	Range of E.Coli Results		Range of Total Coliform Results		# of HPC Samples	Range of HPC Results	
		Min #	Max #	Min #	Max #		Min #	Max #
Raw Water	53	0	18	0	137	0		
Treated Water	55	0	1	0	9	53	< 10	70
Distribution Water	223	0	2	0	17	53	< 10	1400

Operational Testing

Parameter & Sample Type	No. of Samples Collected	Range of Results		
		Minimum	Average	Maximum
Turbidity; On-Line (NTU)- Filt1	8760	0.00	0.05	0.65
Turbidity; On-Line (NTU)- Filt2	8760	0.00	0.04	2.99
Turbidity; On-Line (NTU)- Filt3	8760	0.01	0.08	3.02
Turbidity; On-Line (NTU)- RW	8760	0.00	1.04	9.99
Turbidity; On-Line (NTU)- TW	8760	0.04	0.06	3.01
Fluoride Residual; On-line (mg/L)- TW	8760	0.01	0.51	1.29
Free Chlorine Residual; In-House (mg/L)- DW1	52	0.65	1.52	2.13
Free Chlorine Residual; On-Line (mg/L)- DW	8760	0.50	1.38	2.13
Free Chlorine Residual; In-House (mg/L)- DW2	52	0.51	1.35	1.87
Free Chlorine Residual; In-House (mg/L)- DW3	52	0.43	1.18	1.90
Free Chlorine Residual; In-House (mg/L)- DW4	52	0.63	1.44	2.00
Free Chlorine Residual; In-House (mg/L)- TW	52	1.32	1.69	2.11
Free Chlorine Residual; On-Line (mg/L)- TW	8760	1.10	1.69	4.88

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 170/03. Sodium and Fluoride are required to be tested every 5 years. Nitrate and Nitrite are tested quarterly and the metals are tested annually as required under 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 = Method Detection Limit

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Antimony: Sb (ug/L) - TW	2025/01/13	0.1	6	No	No
Arsenic: As (ug/L) - TW	2025/01/13	0.3	10	No	No
Barium: Ba (ug/L) - TW	2025/01/13	22	1000	No	No
Boron: B (ug/L) - TW	2025/01/13	22	5000	No	No
Cadmium: Cd (ug/L) - TW	2025/01/13	< MDL 0.015	5	No	No
Chromium: Cr (ug/L) - TW	2025/01/13	< MDL 1	50	No	No
Mercury: Hg (ug/L) - TW	2025/01/13	< MDL 0.02	1	No	No
Selenium: Se (ug/L) - TW	2025/01/13	< MDL 1	50	No	No
Uranium: U (ug/L) - TW	2025/01/13	0.2	20	No	No
Additional Inorganics					
Fluoride (mg/L) - TW	2019/01/14	0.4	1.5	No	No
Nitrate : (mg/L) - TW	2025/01/06	0.25	10	No	No
Nitrate : (mg/L) - TW	2025/04/07	0.32	10	No	No
Nitrate : (mg/L) - TW	2025/07/07	0.21	10	No	No
Nitrate : (mg/L) - TW	2025/10/06	0.14	10	No	No
Nitrite : (mg/L) - TW	2025/01/06	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2025/04/07	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2025/07/07	0.08	1	No	No
Nitrite : (mg/L) - TW	2025/10/06	< MDL 0.05	1	No	No
Sodium / Na (mg/L) - TW	2024/01/02	15.1	20*	No	Yes

*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. Lead was sampled in 2025 due to be sampled 2028.

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (ug/L)	Number of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	6	6	87	91	N/A	N/A
pH	3	3	7.93	8.17	N/A	N/A
Lead (ug/l)	3	3	0.02	0.11	10	0

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.

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	# of Exceedances	
				MAC	1/2 MAC
1,1-Dichloroethylene (ug/L)-TW	2025/01/13	< MDL 0.5	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2025/01/13	< MDL 0.5	200	No	No
1,2-Dichloroethane (ug/L)-TW	2025/01/13	< MDL 0.5	5	No	No
1,4-Dichlorobenzene (ug/L)-TW	2025/01/13	< MDL 0.5	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2025/01/13	< MDL 0.2	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2025/01/13	< MDL 0.2	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2025/01/13	< MDL 0.2	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2025/01/13	< MDL 1	100	No	No
Alachlor (ug/L) -TW	2025/01/13	< MDL 0.3	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2025/01/13	< MDL 0.5	5	No	No
Azinphos-methyl (ug/L)-TW	2025/01/13	< MDL 1	20	No	No
Benzene (ug/L)-TW	2025/01/13	< MDL 0.5	1	No	No
Benzo(a)pyrene (ug/L)-TW	2025/01/13	< MDL 0.006	0.01	No	Yes
Bromoxynil (ug/L)-TW	2025/01/13	< MDL 0.5	5	No	No
Carbaryl (ug/L)-TW	2025/01/13	< MDL 3	90	No	No
Carbofuran (ug/L) -TW	2025/01/13	< MDL 1	90	No	No
Carbon Tetrachloride (ug/L) -TW	2025/01/13	< MDL 0.2	2	No	No
Chlorpyrifos (ug/L) -TW	2025/01/13	< MDL 0.5	90	No	No
Diazinon (ug/L)-TW	2025/01/13	< MDL 1	20	No	No
Dicamba (ug/L)-TW	2025/01/13	< MDL 1	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2025/01/13	< MDL 5	50	No	No
Diclofop-methyl (ug/L)-TW	2025/01/13	< MDL 0.9	9	No	No
Dimethoate (ug/L)-TW	2025/01/13	< MDL 1	20	No	No
Diquat (ug/L)-TW	2025/01/13	< MDL 5	70	No	No
Diuron (ug/L)-TW	2025/01/13	< MDL 5	150	No	No
Glyphosate (ug/L)-TW	2025/01/13	< MDL 25	280	No	No
Malathion (ug/L)-TW	2025/01/13	< MDL 5	190	No	No
Metolachlor (ug/L)-TW	2025/01/13	< MDL 3	50	No	No
Metribuzin (ug/L)-TW	2025/01/13	< MDL 3	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW	2025/01/13	< MDL 0.5	80	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	# of Exceedances	
				MAC	1/2 MAC
Paraquat (ug/L)-TW	2025/01/13	< MDL 1	10	No	No
PCB (ug/L)-TW	2025/01/13	< MDL 0.05	3	No	No
Pentachlorophenol (ug/L)-TW	2025/01/13	< MDL 0.2	60	No	No
Phorate (ug/L)-TW	2025/01/13	< MDL 0.3	2	No	No
Picloram (ug/L)-TW	2025/01/13	< MDL 5	190	No	No
Prometryne (ug/L)-TW	2025/01/13	< MDL 0.1	1	No	No
Simazine (ug/L)-TW	2025/01/13	< MDL 0.5	10	No	No
Terbufos (ug/L)-TW	2025/01/13	< MDL 0.5	1	No	No
Tetrachloroethylene (ug/L)-TW	2025/01/13	< MDL 0.5	10	No	No
Triallate (ug/L) -TW	2025/01/13	< MDL 10	230	No	No
Trichloroethylene (ug/L)-TW	2025/01/13	< MDL 0.5	5	No	No
Trifluralin (ug/L)-TW	2025/01/13	< MDL 0.5	45	No	No
Vinyl Chloride (ug/L)-TW	2025/01/13	< MDL 0.2	1	No	No
HAA Total (ug/L) Annual Average-DW2	2025	10.9	80	No	No
Trihalomethane: Total (ug/L) Annual Average-DW1	2025	43	100	No	No

MAC = Maximum Allowable Concentration as per O.Reg 169/03
MDL = Method Detection Limit
RAA = Running Annual Average

Additional Legislated Samples

Document	Parameter	Limit (mg/L)	Result (mg/L)
MDWL # 161-101	Filter Backwash Supernatant Suspended Solids	Annual Average < 25	4.67
MDWL # 161-101	Filter Backwash Supernatant Total CL2	Annual Average 0.02	0.01

Major Maintenance Summary

Work order	Description
4332315	ARIES Filter Upgrade (ongoing)
4335634	Alum Tanks Cleanout
4335634	Backwash Tank Cleaning/Inspection
4335638	Analyzer Sensors and Probes Purchased
4335640	Filter Media Anthracite Purchased
4335640	Rebuilt 3 low lift pumps
4335644	Filter Flow Control Valve and Supernatant Flow Control Valve purchased
4335645	Raw water reservoir cleanout/inspection
4335646	Electrical/Instrumentation- Analyzer sensors and controller purchase

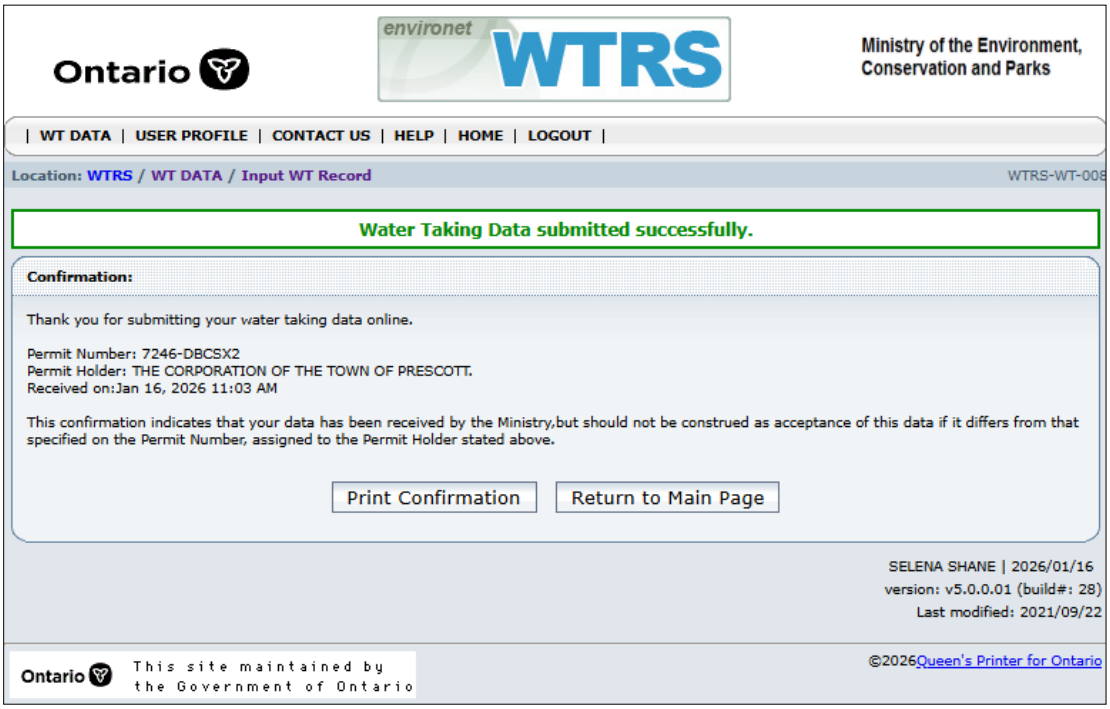
Work order	Description
4335647	Building Maintenance-Windows install, filter influent 1 valve install
4335649	Furnace replacement
4335649	Level controllers and sensors purchased
4335653	Generator Maintenance
4335654	Lifting equipment purchased
4335658	SWAN AMI Trides RW Turbidity Analyzer purchased and installed
4382018	Captor system installed, dosing pump and chemical purchased

Distribution Maintenance

Date	Description
2025/12/08	Watermain break – King Street
2025/11/25	Watermain break – Edward Street N
2025/10/28	Watermain break – King Street
2025/09/08	Watermain break – Irvine Drive
2025/01/31	Watermain break – Duke Street
2025/01/30	Watermain break – Russel Street

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.

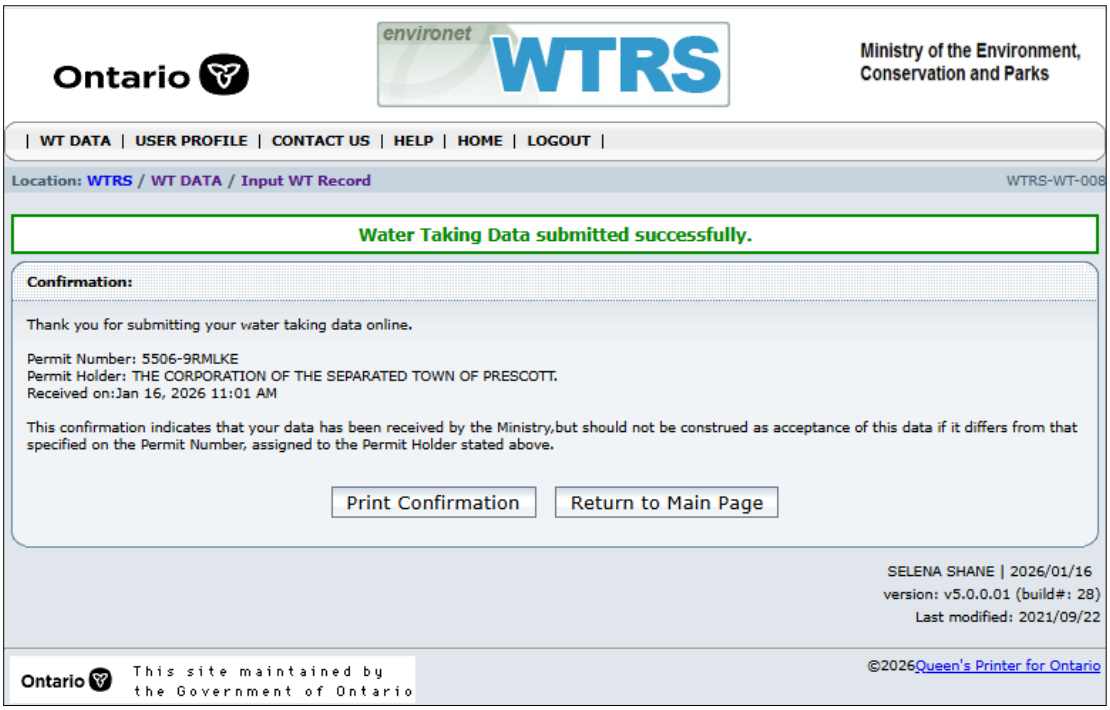
Permit Number: 7246-DBCSX2
Permit Holder: THE CORPORATION OF THE TOWN OF PRESCOTT.
Received on:Jan 16, 2026 11:03 AM

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

SELENA SHANE | 2026/01/16
version: v5.0.0.01 (build#: 28)
Last modified: 2021/09/22

Ontario This site maintained by the Government of Ontario



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: 5506-9RMLKE
Permit Holder: THE CORPORATION OF THE SEPARATED TOWN OF PRESCOTT.
Received on:Jan 16, 2026 11:01 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

SELENA SHANE | 2026/01/16
version: v5.0.0.01 (build#: 28)
Last modified: 2021/09/22

Ontario This site maintained by the Government of Ontario