Crysler Drinking Water System

Waterworks # 220008649
System Category – Large Municipal Residential

Annual Report

Township of North Stormont

Reporting Period of January 1st – December 31st 2025

Issued: February 25, 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 25, 2026	0	Issued Annual Report

Report Availability

As Crysler's drinking water system is considered a large municipal residential system under O. Reg. 170/03, this report must be made available to the public. It can be found at the Township of North Stormont's municipal office located at 57A Cockburn Street, Berwick, Ontario and on the Township website (https://www.northstormont.ca).

Compliance Report Card

Compliance Event	# of Events
Ministry of Environment Inspections	1
Ministry of Labour Inspections	0
QEMS External Audit	1 (Re-accreditation Audit)
AWQI's/BWA	0/0
Non-Compliance	1
Community Complaints	0
Spills	0
Watermain Breaks	0

System Process Description

Raw Source

Crysler's drinking water system draws water from a groundwater production well (Well #1) located approximately 5 kilometers east of the Village. There is also a standby well (Well #2) located on site. Well #1 is a 250 mm diameter 12.2 m deep drilled well equipped with a submersible turbine pump rated at 19.5 L/s. The standby well is a 250 mm diameter 13.4 m deep drilled well equipped with a submersible turbine pump rated at 19.5 L/s. Crysler's well supply is considered groundwater under the direct influence of surface water (GUDI) with effective in situ filtration.

Treatment

Raw water enters the pump house and passes through one of two ultraviolet (UV) light reactors which provide primary disinfection of the water. UV intensity is monitored continuously. Sodium hypochlorite is then injected to provide secondary disinfection. Contact time is achieved in the transmission pipe. Treated water leaving the plant is continuously monitored for flow, chlorine residual and turbidity.

Distribution

The water system began supplying water to the Village in 1996. The distribution system consists of an elevated storage tank and approximately 11 kilometers of PVC distribution piping. The elevated tank is fabricated of steel and mounted on a concrete pedestal. It is located on the north side of County Road 13 approximately 600 m east of Crysler and has a storage capacity of 1238 m^3. The storage tank provides for peak hour demands and fire flows.

Treatment Chemicals used during the reporting year

Chemical Name	Use	Supplier
Sodium Hypochlorite	Disinfection	Jutzi

Summary of Non-Compliance

Adverse Water Quality Incidents

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
None to report						

Non-Compliance

Legislation	Requirement(s) system failed to meet	Duration of the failure (i.e. date(s))	Corrective Action	Status
O. Reg. 170/03	Two sets of samples are required to be collected in every 12-month period for pH and alkalinity in the distribution system.	Samples were missed for the period of December 15, 2024-April 15, 2025.	The importance of adhering to facility sampling schedules with emphasis on reinforcing existing procedures and ensuring all regulatory samples are collected as required was formally reviewed with operational staff.	Complete

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 additional non-compliances identified in the Ministry Inspection Report issued November 13, 2025.				

Flows

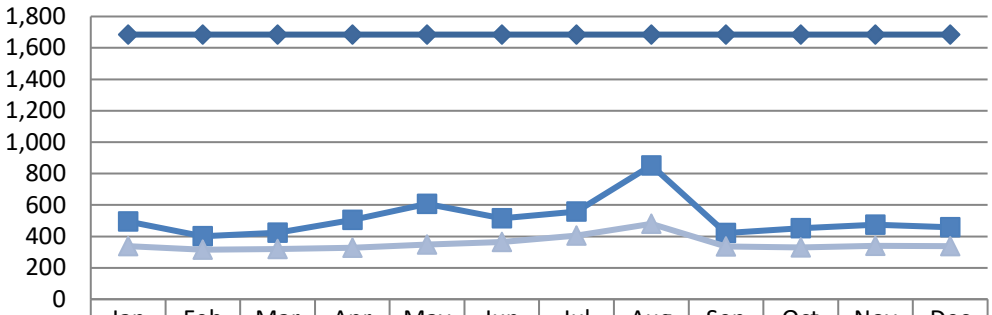
Crysler's drinking water system is operating on average under half the rated capacity.

Raw Water Flows

Raw water flows are regulated under the Permit to Take Water (PTTW). Raw flow data for 2025 was submitted to the Ministry electronically under Permit #7670-CTUS46. The submission confirmations can be found attached in Appendix A.

Well #1 - Flows

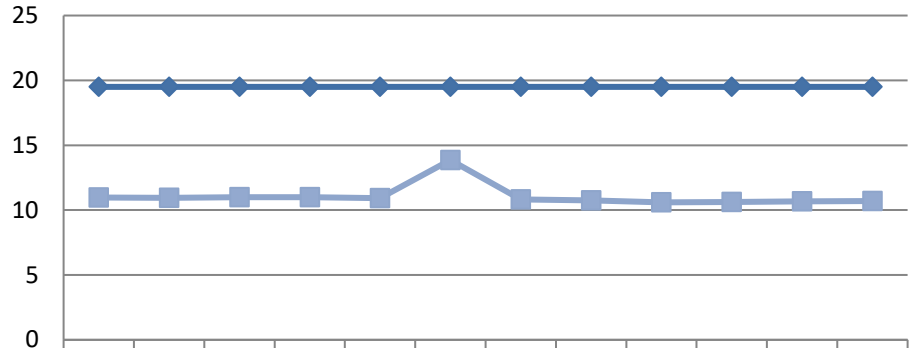
Max. Allowable Flow - PTTW



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable (m3/d)	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685
Max Flow (m3/d)	495	401	424	504	607	515	557	852	422	453	474	459
Avg Flow (m3/d)	339	315	320	329	348	364	406	480	337	330	341	339

Well #1 - Maximum Flow Rates

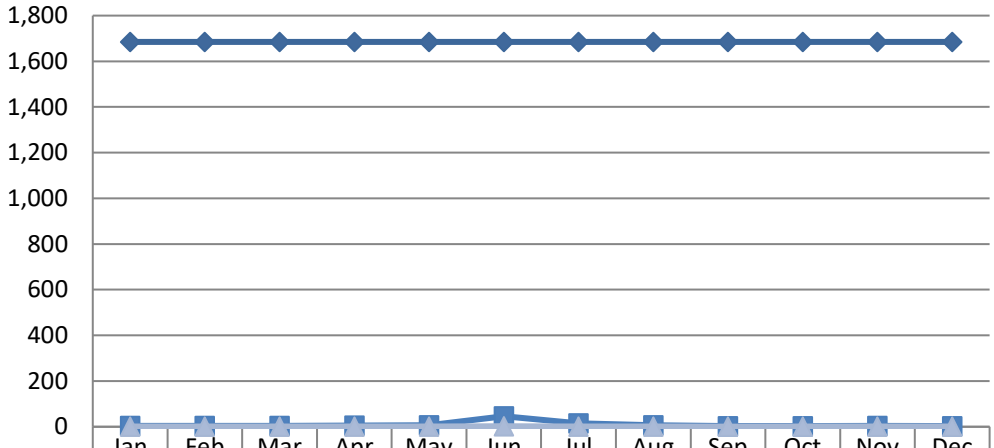
Max. Allowable Rate – PTTW



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Rate (L/sec)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
Max Rate (L/s)	11.0	11.0	11.0	11.0	10.9	13.9	10.8	10.7	10.6	10.6	10.7	10.7

Well #2 (Standby) - Flows

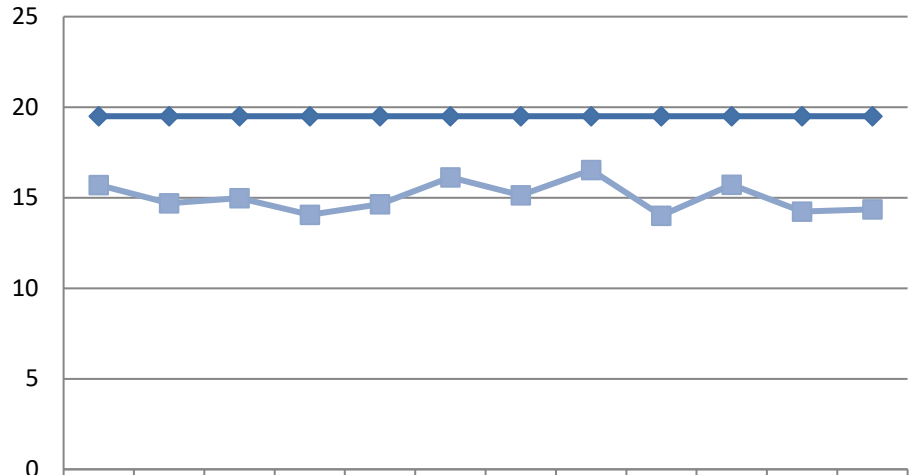
Max. Allowable Flow – PTTW



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable (m3/d)	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685
Max Flow (m3/d)	4	4	4	5	7	46	15	6	3	3	4	3
Avg Flow (m3/d)	0.5	0.4	0.5	0.5	0.6	2.3	1.4	0.4	0.4	0.4	0.4	0.5

Well #2 (Standby) - Maximum Flow Rates

Max. Allowable Rate - PTTW



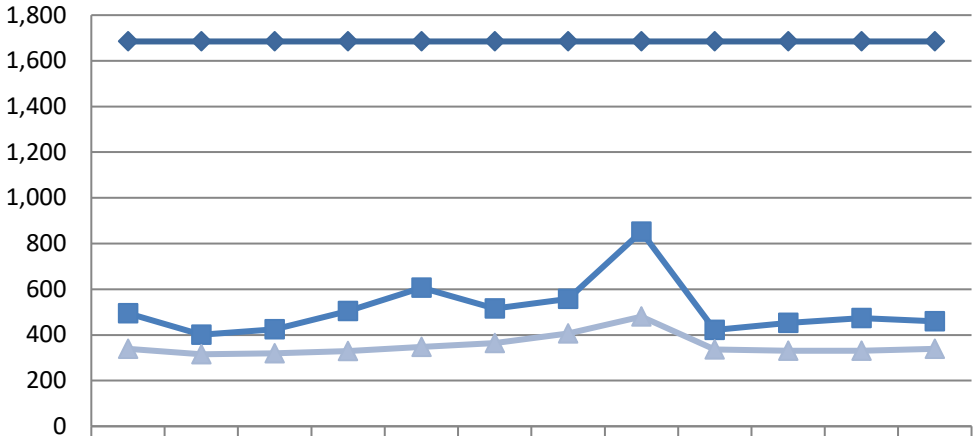
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Rate (L/sec)	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
Max Rate (L/s)	15.7	14.7	15.0	14.1	14.6	16.1	15.1	16.5	14.0	15.7	14.2	14.4

Treated Water Flows

Treated water flows are regulated under the Municipal Drinking Water Licence (MDWL).

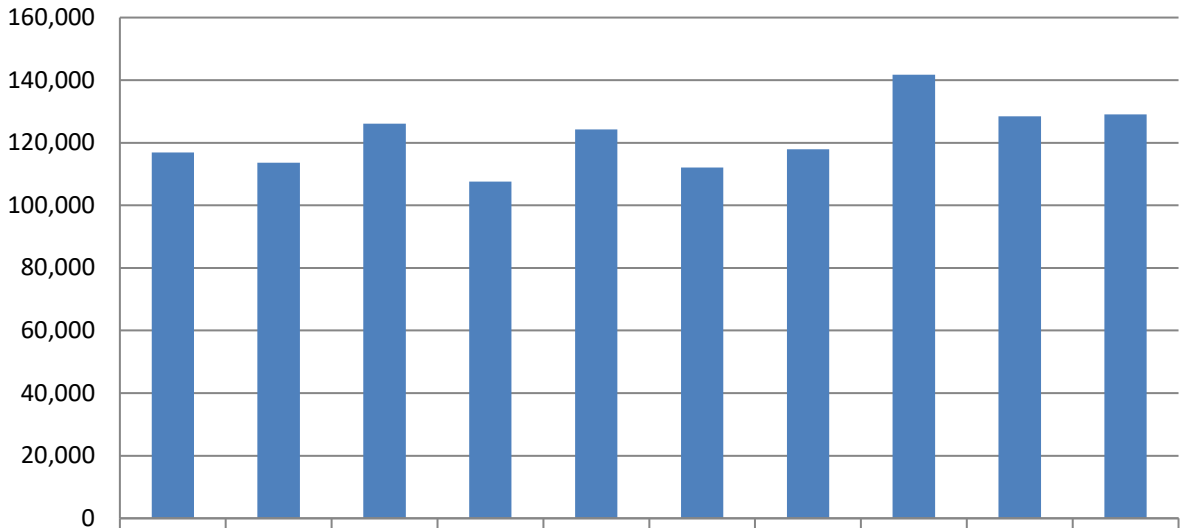
Treated Flows

Rated Capacity – MDWL



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rated Capacity (m3/d)	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685	1,685
Max Flow (m3/d)	495	401	424	504	607	515	557	852	422	453	474	459
Avg Flow (m3/d)	339	315	319	329	348	364	406	480	337	330	331	339

Annual Total Flow Comparison



	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
WTP (m3)	116,853	113,574	126,103	107,547	124,272	112,130	117,921	141,692	128,398	129,033

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 Well #1	52	0	0	0	1	0	N/A	N/A
Raw Well #2	52	0	0	0	0	0	N/A	N/A
Treated	52	0	0	0	0	52	< 2	12
Distribution Water	116	0	0	0	0	63	< 2	2

Operational Testing

Parameter & Sample Type	No. of Samples Collected	Range of Results		
		Minimum	Average	Maximum
Turbidity; In-House (NTU)- RW1	10	0.43	0.70	0.97
Turbidity; In-House (NTU)- RW2	10	0.62	0.96	1.34
Free Chlorine Residual; On-Line (mg/L)- TW	8760	0.71	1.60	2.81
Free Chlorine Residual; TW Field (mg/L)- TW	53	1.08	1.53	1.93
Free Chlorine Residual; On-Line (mg/L)- DW1	8760	0.58	1.30	2.50
Free Chlorine Residual; DW Field (mg/L)- DW	123	0.59	1.34	1.85
UV Intensity (W/m^2)	8760	42.6	55.6	85.3
UV Transmittance (%)	77	97	99.58	100

*NOTE: Spikes recorded by on-line instrumentation may result from 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 60 months. Nitrate and Nitrite are tested quarterly, and metals are tested annually as required under O. Reg. 170/03. In the event any parameter exceeds half 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

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	< MDL 0.1	6	No	No
Arsenic: As (ug/L) - TW	2025/01/13	0.1	10	No	No
Barium: Ba (ug/L) - TW	2025/01/13	95	1000	No	No
Boron: B (ug/L) - TW	2025/01/13	10	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

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Selenium: Se (ug/L) - TW	2025/01/13	< MDL 1	50	No	No
Uranium: U (ug/L) - TW	2025/01/13	2.47	20	No	No
Additional Inorganics					
Fluoride : (mg/L) - TW	2022/01/10	< MDL 0.1	1.5	No	No
Nitrate : (mg/L) - TW	2025/01/13	0.63	10	No	No
Nitrate : (mg/L) - TW	2025/04/22	0.54	10	No	No
Nitrate : (mg/L) - TW	2025/07/28	0.4	10	No	No
Nitrate : (mg/L) - TW	2025/10/27	0.95	10	No	No
Nitrite : (mg/L) - TW	2025/01/13	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2025/04/22	< MDL 0.05	1	No	No
Nitrite : (mg/L) - TW	2025/07/28	0.06	1	No	No
Nitrite : (mg/L) - TW	2025/10/27	< MDL 0.05	1	No	No
Sodium / Na (mg/L) - TW	2022/01/10	8.4	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 15.1 Sampling:

The Schedule 15.1 sampling is required under O. Reg. 170/03. This system is under a reduced sampling schedule. No plumbing samples were collected. Lead samples were collected in 2025.

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (ug/L)	Number of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	2	2	162	298	N/A	N/A
pH	2	2	8.05	8.2	N/A	N/A
Lead (ug/l)	2	2	0.06	0.16	10	0

Organic Parameters

These parameters are tested annually as a requirement under O. Reg. 170/03. In the event any parameter exceeds half the maximum allowable concentration the parameter is required to be sampled quarterly. Distribution samples are tested quarterly for THM's and HAA's in accordance with O. Reg. 170/03.

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

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

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	# of Exceedances	
				MAC	1/2 MAC
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
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2025/01/13	< MDL 10	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	No	No
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
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

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	# of Exceedances	
				MAC	1/2 MAC
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
Distribution Water					
Haloacetic Acid (HAA): Total (ug/L) RAA*	2025	6.5	80	No	No
Trihalomethane (THM): Total (ug/L) RAA*	2025	8.0	100	No	No

*RAA: Running Annual Average

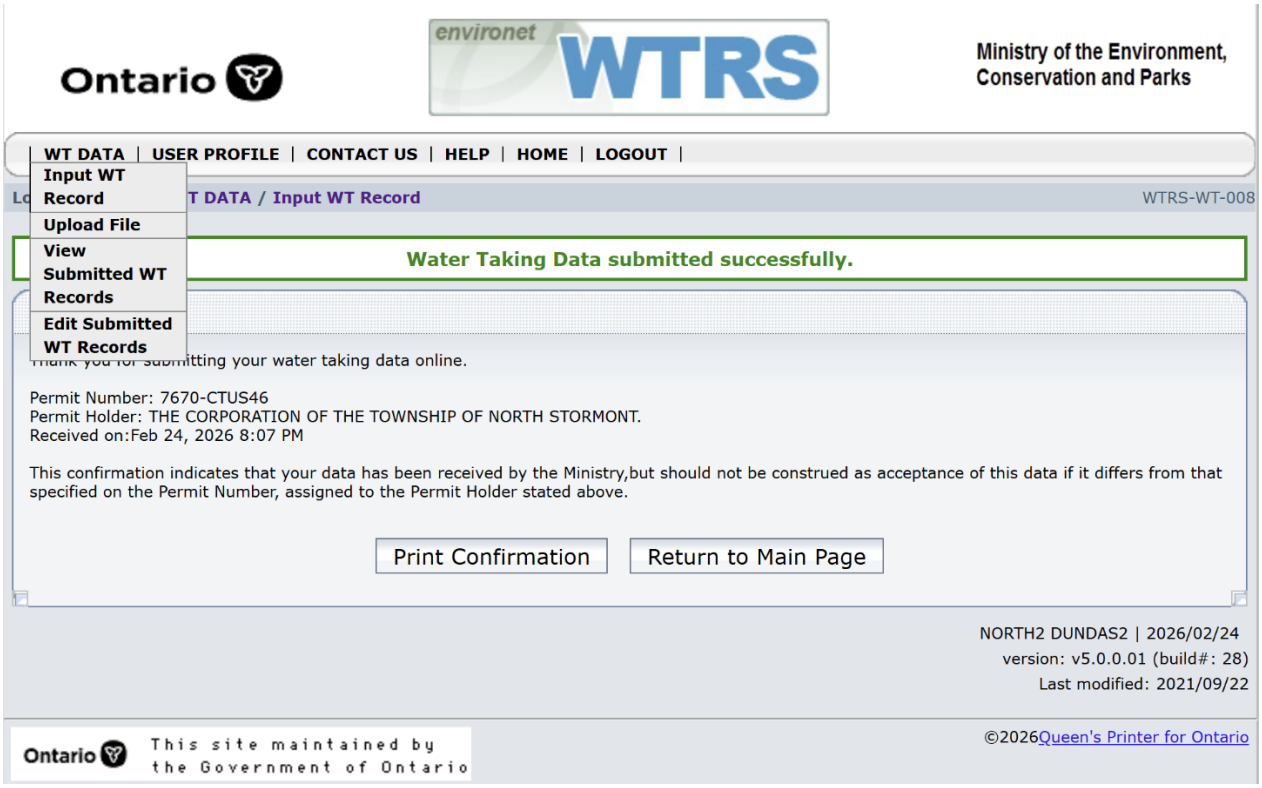
Additional Legislated Samples

No additional sampling required.

Major Maintenance Summary

Description
– New generator at WTP – Replaced electrical panel at water tower – Performed routine UV system maintenance – Rebuilt hydrants: 1, 55, 31, 22 – Repaired hydrant 42 that was damaged in winter

Appendix A - WTRS Submission Confirmation



CRYSLER DRINKING WATER SYSTEM / Raw Well #1

Yearly Summary (Flow) 2025

Annual Values and Summary **Units:** cubic meter per day

Station: **Daily Max:** 852.0 on August 10

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	495.00	346.00	323.00	344.00	270.00	324.00	421.00	451.00	370.00	408.00	392.00	290.00
2	404.00	346.00	334.00	407.00	270.00	264.00	320.00	484.00	277.00	240.00	357.00	391.00
3	397.00	259.00	274.00	325.00	328.00	396.00	324.00	435.00	376.00	356.00	342.00	398.00
4	401.00	349.00	271.00	322.00	385.00	452.00	270.00	504.00	378.00	371.00	410.00	359.00
5	404.00	376.00	355.00	325.00	237.00	295.00	401.00	651.00	315.00	389.00	388.00	199.00
6	355.00	382.00	353.00	351.00	607.00	322.00	450.00	341.00	267.00	271.00	198.00	459.00
7	445.00	215.00	364.00	280.00	285.00	347.00	292.00	642.00	312.00	364.00	308.00	372.00
8	423.00	313.00	364.00	345.00	287.00	480.00	417.00	804.00	255.00	379.00	474.00	215.00
9	278.00	360.00	241.00	430.00	313.00	200.00	298.00	506.00	360.00	417.00	348.00	401.00
10	395.00	226.00	272.00	223.00	392.00	307.00	381.00	852.00	412.00	290.00	209.00	409.00
11	324.00	345.00	354.00	280.00	427.00	480.00	398.00	651.00	280.00	309.00	422.00	214.00
12	289.00	369.00	393.00	346.00	461.00	396.00	463.00	842.00	304.00	301.00	315.00	283.00
13	258.00	230.00	304.00	332.00	288.00	454.00	489.00	446.00	390.00	362.00	269.00	342.00
14	351.00	256.00	193.00	241.00	326.00	405.00	507.00	540.00	369.00	342.00	305.00	373.00
15	415.00	350.00	424.00	343.00	337.00	378.00	310.00	527.00	273.00	374.00	364.00	439.00
16	220.00	291.00	399.00	365.00	361.00	389.00	385.00	617.00	367.00	361.00	374.00	315.00
17	357.00	332.00	339.00	332.00	336.00	515.00	381.00	452.00	394.00	290.00	300.00	341.00
18	316.00	250.00	308.00	383.00	349.00	281.00	427.00	370.00	405.00	291.00	378.00	320.00
19	343.00	374.00	233.00	269.00	356.00	317.00	450.00	391.00	281.00	357.00	411.00	305.00
20	228.00	401.00	286.00	293.00	387.00	321.00	389.00	393.00	327.00	249.00	322.00	357.00
21	341.00	250.00	312.00	314.00	323.00	454.00	316.00	427.00	395.00	362.00	230.00	366.00
22	311.00	328.00	350.00	225.00	602.00	303.00	469.00	382.00	291.00	407.00	459.00	258.00
23	375.00	328.00	333.00	361.00	310.00	486.00	391.00	414.00	406.00	216.00	307.00	417.00
24	270.00	235.00	243.00	504.00	297.00	218.00	436.00	352.00	422.00	268.00	233.00	387.00
25	310.00	367.00	391.00	222.00	354.00	382.00	381.00	298.00	271.00	453.00	394.00	358.00
26	324.00	367.00	399.00	405.00	144.00	446.00	453.00	539.00	247.00	318.00	438.00	233.00
27	277.00	368.00	339.00	302.00	358.00	354.00	437.00	458.00	363.00	226.00	224.00	304.00
28	358.00	214.00	241.00	248.00	381.00	315.00	423.00	263.00	319.00	378.00	260.00	351.00
29	324.00		374.00	359.00	388.00	323.00	557.00	265.00	282.00	401.00	411.00	292.00
30	246.00		333.00	386.00	373.00	323.00	505.00	277.00	393.00	208.00	385.00	432.00
31	270.00		230.00		251.00		445.00	303.00		284.00		319.00

CRYSLER DRINKING WATER SYSTEM / Raw Well #2

Yearly Summary (Flow) 2025

Annual Values and Summary **Units:** cubic meter per day

Station: **Daily Max:** 46.0 on June 26

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00
2	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	2.00	0.00	0.00	0.00
3	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00
4	0.00	0.00	4.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	3.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
6	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00
7	0.00	0.00	0.00	4.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	3.00
9	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	4.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	2.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00
13	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	2.00	0.00	0.00	9.00	0.00	0.00	3.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	3.00
16	0.00	0.00	0.00	0.00	0.00	9.00	3.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00
18	0.00	3.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	4.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	13.00	0.00	0.00	0.00	0.00	0.00
22	3.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	3.00
23	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	2.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	4.00	46.00	0.00	0.00	0.00	0.00	0.00	0.00
27	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00
28	0.00	0.00	0.00	5.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00
29	0.00		0.00	0.00	2.00	0.00	0.00	0.00	2.00	0.00	0.00	2.00
30	0.00		0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00		2.00		0.00		0.00	0.00		0.00		0.00