Rockland Drinking Water System

Waterworks # 210000639
System Category – Large Municipal Residential

Annual Water Report

Prepared For:
The Corporation of the City of Clarence Rockland

Reporting Period of January 1st – December 31st 2024

Issued: February 24, 2025

Revision: 0

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

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Revision History

Date	Revision #	Revision Notes
February 24, 2025	0	Issued Annual Report

Report Availability

This system serves more than 10,000 residents therefore the annual reports shall be made available publicly to residents of The Corporation of the City of Clarence-Rockland. Notification should be made available on the municipal website and copies provided free of charge if requested at the Municipal Office located at, 1560 Laurier St. Rockland On. K4K 1P7.

Compliance Report Card

Compliance Event	# of Events
Ministry of Environment Inspections	Inspection - January 24, 2024 – Reported in 2023 Annual Report Inspection – January 28, 2025 – Report not received
Ministry of Labour Inspections	0
QEMS External Audit	1 Desktop Audit
AWQIs	0
Non-Compliance	0
Community Complaints	12
Watermain Breaks & Service Repairs	5

System Process Description

Raw Source

Raw water source for the Rockland Drinking Water System is the Ottawa River as per Permit to Take Water #3168-B2JK5N expiring on June 30th 2028. Raw water intake facility consists of a 630mm HDP# Series 45 pipe extending approximately 126 meters from the low lift pumping station into the Ottawa river. Water is conveyed to the water treatment facility by one of 3 vertical turbine pumps.

Treatment

The Clarence Rockland Water Treatment Plant is a 13,500 m3/day conventional filtration type treatment plant with Actiflo® pre-treatment. The Plant is located at 125 Edwards Street in Rockland and services the City of Clarence Rockland and five Hamelets (Clarence Creek, St-Pascal Baylon, Hammond, Bourget and Cheney). The facility consists of the following components; Raw water intake obtained from the Ottawa River. A low lift pumping station including three vertical turbine pumps. Water is directed to two Actiflo® units followed by two rapid dual media gravity filters of sand and anthracite. Filtered water is disinfected and passed through a UV system consisting of two units. A baffled chlorine contact tank of 233.5 m3 and two reservoirs having a total capacity of 471 m3. Secondary disinfection is achieved via chloramination at the discharge of the plant.

Treatment Chemicals used during the reporting year:

Chemical Name	Use	Supplier
Sodium Hydroxide 50%	Pre and Post pH adjustment	Sodrox
Aluminium Chloride Sulphate (PAX-XL6)	Coagulant	Kemira
Polymer - Praestol DW27AG	Flocculation Agent	Northland chemicals
Sodium Hypochlorite	Post Disinfection	UBA
Ammonium Sulphate	Secondary Disinfection “Chloramination”	Brenntag

Distribution

Water is pumped into the distribution system by four centrifugal high lift pumps. A Booster Station with three centrifugal pumps is used for the water demand of the Hamlets. The rate of water supplied is based on the three elevated water tower storage tanks and demand from the City of Clarence-Rockland and its Hamlets.

Summary of Non-Compliance

Adverse Water Quality Incidents

Date	AWQI #	Issue
No AWQI Issued for this year		

Non-Compliance

Legislation	requirement(s) system failed to meet	Details	Corrective Action	Status
No Non-Compliance Issued for this year				

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
Inspection - January 24, 2024 – Reported in 2023 Annual Report Inspection – January 28, 2025 – Report not received				

Flows

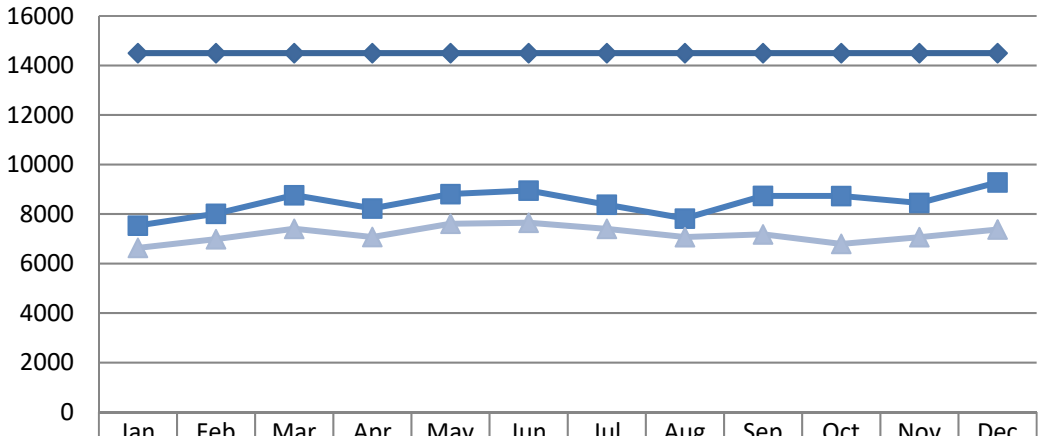
The Rockland Drinking Water System is operating on average under half the rated capacity. During summer peak demands both actiflo units are required to work in order to meet demand and fire capacity levels in the water tower reservoirs.

Raw Water Flows

The Raw Water flows are regulated under the Permit to Take Water Ontario Regulation 387/04. Water Taking and Transfers requires all water takers to report daily water taking amounts to the Water Taking Reporting System (WTRS) electronic database. The 2024 Raw Flow Data was submitted to the Ministry electronically under permit PTTW #3168-B2JK5N. The confirmation and a copy of the data that was submitted are attached in Appendix A.

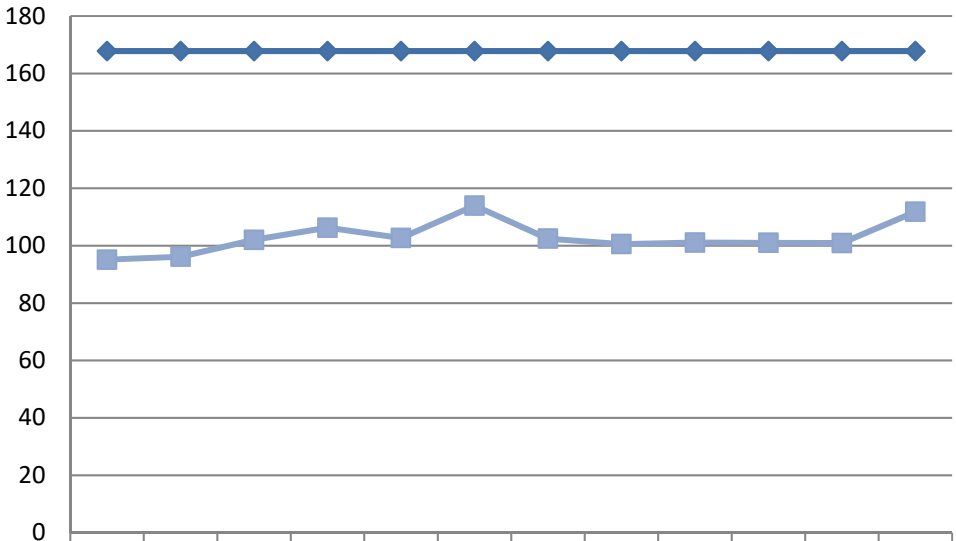
Total Monthly Flows (m3/d)

Max Allowable PTTW 14500 m3/d



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable (m3/d)	14500	14500	14500	14500	14500	14500	14500	14500	14500	14500	14500	14500
Max Flow (m3/d)	7535	8014	8763	8226	8807	8950	8379	7820	8734	8729	8449	9276
Avg Flow (m3/d)	6633	6986	7407	7071	7609	7649	7401	7069	7179	6795	7067	7378

Monthly Rated Flows (L/s)
Max allowable rate - PTTW 167.8 L/sec



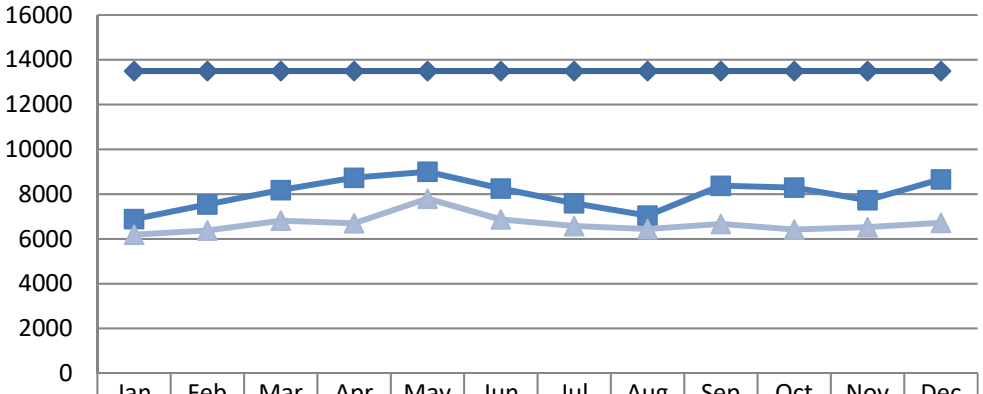
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Rate (L/sec)	167.8	167.8	167.8	167.8	167.8	167.8	167.8	167.8	167.8	167.8	167.8	167.8
Max Rate (L/sec)	95.1	96.2	102.0	106.3	102.7	113.9	102.5	100.6	101.1	101.0	100.9	111.8

Treated Water Flows

The Treated Water flows are regulated under the Municipal Drinking Water Licence Number: 175-101 Issue Number: 5

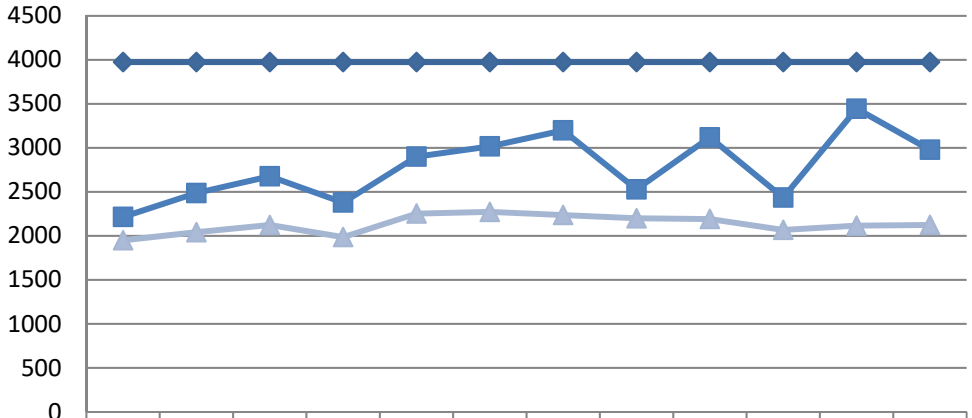
Monthly Rated Flows

Rated Capacity – MDWL WTP 13,500m3/day



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rated Capacity (m3/d)	13500	13500	13500	13500	13500	13500	13500	13500	13500	13500	13500	13500
Max Flow (m3/d)	6886	7542	8185	8734	9000	8256	7593	7045	8377	8295	7730	8661
Avg Flow (m3/d)	6190	6376	6816	6702	7799	6871	6576	6438	6668	6417	6526	6719

Rated Capacity – MDWL Booster Pumping Station 3,975 m3/day

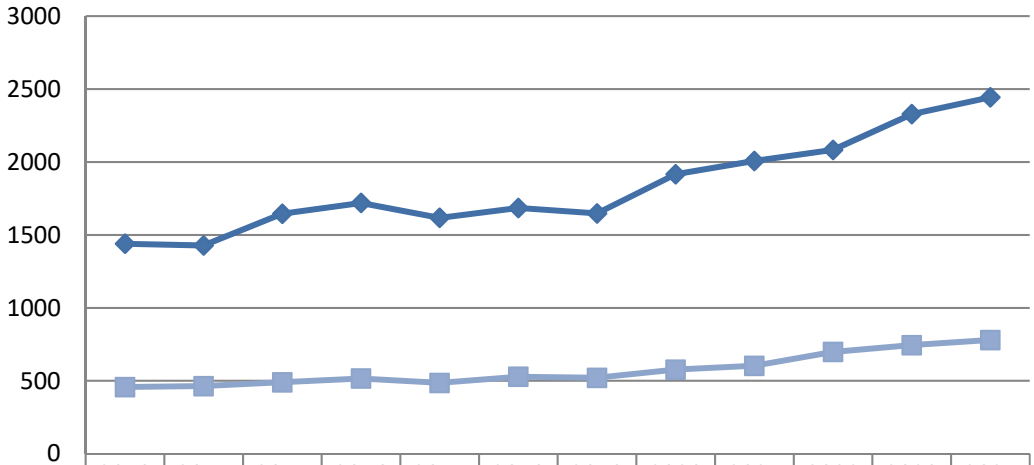


	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rated Capacity (m3/d)	3975	3975	3975	3975	3975	3975	3975	3975	3975	3975	3975	3975
Max Flow (m3/d)	2216	2487	2677	2379	2901	3017	3199	2529	3120	2435	3445	2979
Avg Flow (m3/d)	1951	2042	2123	1986	2254	2273	2238	2200	2192	2068	2116	2125

Annual Total Flow Comparison

Please note that the booster station flows are included in the treated water WTP flows, and all flows are represented here as megalitres.

Total Annual ML



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
WTP	1440	1428	1646	1719	1618	1685	1647	1916	2007	2083	2328	2444
Booter Station	458	464	490	516	486	528	521	577	603	698	745	780

Regulatory Sample Results Summary

Microbiological Testing

	No. of Samples Collected	Range of E.Coli Results		Range of Total Coliform Results		Range of HPC Results	
		Min	Max	Min	Max	Min	Max
Raw Water	53	0	168	40	11200	N/A	N/A
Treated Water	53	0	0	0	0	2	6
Distribution Water	447	0	0	0	11	2	4

Operational Testing

	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Turbidity, In-House (NTU) - RW	157	2.5	34.5
Turbidity, On-Line (NTU) - TW	8760	0.16	0.29
Turbidity, On-Line (NTU) – Filter #1	8760	0.02	0.71
Turbidity, On-Line (NTU) – Filter #2	8760	0.01	0.62
Free Chlorine Residual, On-Line (mg/L) - TW	8760	1	2.31
Combined Chlorine Secondary Disinfection, On-Line (mg/L) – TW	8760	0.82	3.03
Combined Chlorine Residual, On-Line (mg/L) – DW	8760	0.91	2.3

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 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 = 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	2024/07/16	<MDL 0.1	6.0	No	No
Arsenic: As (ug/L) - TW	2024/07/16	0.2	25.0	No	No
Barium: Ba (ug/L) - TW	2024/07/16	16.0	1000.0	No	No
Boron: B (ug/L) - TW	2024/07/16	8.0	5000.0	No	No
Cadmium: Cd (ug/L) - TW	2024/07/16	<MDL 0.015	5.0	No	No
Chromium: Cr (ug/L) - TW	2024/07/16	<MDL 1.0	50.0	No	No
Mercury: Hg (ug/L) - TW	2024/07/16	<MDL 0.02	1.0	No	No
Selenium: Se (ug/L) - TW	2024/07/16	<MDL 1.0	50.0	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Uranium: U (ug/L) - TW	2024/07/16	<MDL 0.05	20.0	No	No
Additional Inorganics					
Fluoride (mg/L) - TW	2024/04/02	<MDL 0.1	1.5	No	No
Nitrite (mg/L) - TW	2024/01/22	<MDL 0.05	1.0	No	No
Nitrite (mg/L) - TW	2024/04/02	<MDL 0.05	1.0	No	No
Nitrite (mg/L) - TW	2024/07/02	<MDL 0.05	1.0	No	No
Nitrite (mg/L) - TW	2024/10/8	<MDL 0.05	1.0	No	No
Nitrate (mg/L) - TW	2024/01/22	0.23	10.0	No	No
Nitrate (mg/L) - TW	2024/04/02	0.25	10.0	No	No
Nitrate (mg/L) - TW	2024/07/02	0.31	10.0	No	No
Nitrate (mg/L) - TW	2024/10/8	0.16	10.0	No	No
Sodium: Na (mg/L) - TW	2024/04/02	10.9	20*	N/A	N/A

*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 mg/L 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. No plumbing samples were collected.

Distribution System	Number of Sampling Points	Number of Samples	Range of Results		MAC (ug/L)	Number of Exceedances
			Minimum	Maximum		
Alkalinity (mg/L)	4	8	25	41	N/A	N/A
pH	4	8	6.9	7.3	N/A	N/A
Lead (mg/L)	4	8	N/A	N/A	10	N/A

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	No. of Exceedances	
				MAC	1/2 MAC
Alachlor (ug/L) - TW1	2024/07/16	< 0.3	5.0	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW1	2024/07/16	< 0.5	5.0	No	No
Azinphos-methyl (ug/L) – TW1	2024/07/16	< 1.0	20.0	No	No
Benzene (ug/L) - TW1	2024/07/16	< 0.5	1.0	No	No
Benzo(a)pyrene (ug/L) - TW1	2024/07/16	< 0.006	0.01	No	No
Bromoxynil (ug/L) - TW1	2024/07/16	< 0.5	5.0	No	No
Carbaryl (ug/L) - TW1	2024/07/16	< 3.0	90.0	No	No
Carbofuran (ug/L) - TW1	2024/07/16	< 1.0	90.0	No	No
Carbon Tetrachloride (ug/L) - TW1	2024/07/16	< 0.2	2.0	No	No
Chlorpyrifos (ug/L) - TW1	2024/07/16	< 0.5	90.0	No	No

TREATED WATER	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Diazinon (ug/L) - TW1	2024/07/16	< 1.0	20.0	No	No
Dicamba (ug/L) - TW1	2024/07/16	< 1.0	120.0	No	No
1,2-Dichlorobenzene (ug/L) - TW1	2024/07/16	< 0.5	200.0	No	No
1,4-Dichlorobenzene (ug/L) - TW1	2024/07/16	< 0.5	5.0	No	No
1,2-Dichloroethane (ug/L) - TW1	2024/07/16	< 0.5	5.0	No	No
1,1-Dichloroethylene (ug/L) - TW1	2024/07/16	< 0.5	14.0	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW1	2024/07/16	< 5.0	50.0	No	No
2,4-Dichlorophenol (ug/L) - TW1	2024/07/16	< 0.2	900.0	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW1	2024/07/16	< 1.0	100.0	No	No
Diclofop-methyl (ug/L) - TW1	2024/07/16	< 0.9	9.0	No	No
Dimethoate (ug/L) - TW1	2024/07/16	< 1.0	20.0	No	No
Diquat (ug/L) - TW1	2024/07/16	< 5.0	70.0	No	No
Diuron (ug/L) - TW1	2024/07/16	< 5.0	150.0	No	No
Glyphosate (ug/L) - TW1	2024/07/16	< 25.0	280.0	No	No
Malathion (ug/L) - TW1	2024/07/16	< 5.0	190.0	No	No
Metolachlor (ug/L) - TW1	2024/07/16	< 3.0	50.0	No	No
Metribuzin (ug/L) - TW1	2024/07/16	< 3.0	80.0	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW1	2024/07/16	< 0.5	80.0	No	No
Paraquat (ug/L) - TW1	2024/07/16	< 1.0	10.0	No	No
PCB (ug/L) - TW1	2024/07/16	< 0.05	3.0	No	No
Pentachlorophenol (ug/L) - TW1	2024/07/16	< 0.2	60.0	No	No
Phorate (ug/L) - TW1	2024/07/16	< 0.3	2.0	No	No
Picloram (ug/L) - TW1	2024/07/16	< 5.0	190.0	No	No
Prometryne (ug/L) - TW1	2024/07/16	< 0.1	1.0	No	No
Simazine (ug/L) - TW1	2024/07/16	< 0.5	10.0	No	No
Terbufos (ug/L) - TW1	2024/07/16	< 0.5	1.0	No	No
Tetrachloroethylene (ug/L) - TW1	2024/07/16	< 0.5	10.0	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW1	2024/07/16	< 0.2	100.0	No	No
Triallate (ug/L) - TW1	2024/07/16	< 10.0	230.0	No	No
Trichloroethylene (ug/L) - TW1	2024/07/16	< 0.5	5.0	No	No
2,4,6-Trichlorophenol (ug/L) - TW1	2024/07/16	< 0.2	5.0	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L) - TW1	2024/07/16	< 10.0	100.0	No	No
Trifluralin (ug/L) - TW1	2024/07/16	< 0.5	45.0	No	No
Vinyl Chloride (ug/L) - TW1	2024/07/16	< 0.2	1.0	No	No

DISTRIBUTION WATER	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Trihalomethane: Total (ug/L) Annual Running Average - DW	2024	43.5	100.0	No	No
HAA Total (ug/L) Annual Running Average - DW	2024	29.7	80.0	No	No

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

Additional Legislated Samples

Summary of additional testing and sampling carried out in accordance with the requirement of an approval or order.

Date of order or Municipal Drinking Water Licence	Parameter	Date Sampled	Result	Total Chlorine Residual	Unit of Measure
Municipal Drinking Water Licence #175-101	Suspended Solids	Jan 15, 2024	3	0.0	mg/L
		Feb 6, 2024	12	0.0	mg/L
		Mar 19, 2024	8	0.0	mg/L
		April 9, 2024	5	0.0	mg/L
		May 7, 2024	12	0.0	mg/L
		June 4, 2024	4	0.0	mg/L
		July 2, 2024	5	0.0	mg/L
		Aug 6, 2024	7	0.0	mg/L
		Sep 3, 2024	9	0.0	mg/L
		Oct 8, 2024	3	0.0	mg/L
		Nov 5, 2024	4	0.0	mg/L
		Dec 2, 2024	3	0.0	mg/L
		Annual Average	**6.25**	-	mg/L

Major Maintenance Summary

Water Treatment Plant Maintenance

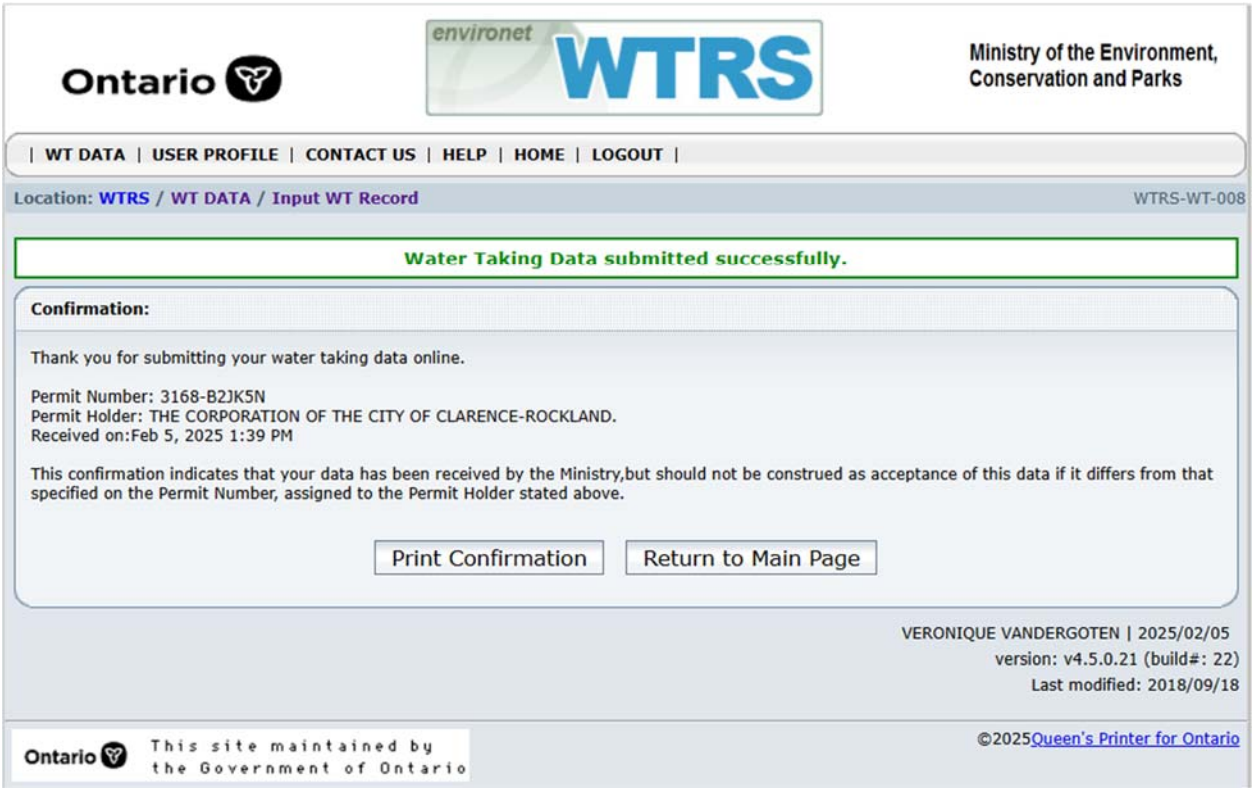
Date	Details
2024	Various small modifications to the PLCs throughout the 2024 reporting year
Jan 11	Changed overload on actiflo #2
Apr 9	Replacement of tank liners for sodium hypochlorite, coagulant, sodium hydroxide storage.
Apr 22	Cut trees beside clearwell for future expansion
May 5	Replacement of Cyclone Sand Recirculation Pump
May 23	Took Ammonia motor #112 to repair brushes - Ordered a new motor
May 23	Replacement of Cyclone Sand Recirculation Pump
June 13	Install security camera
July 3	Chlorine pump # 92 Repair
July 3	Change Poly piping
July 25	Back Wash Waste pump # 45 repaired
Aug 20	Chlorine system repairs to piping
September 26	Fix chlorine Pump #93
Oct 10	Clean low lift pump well

Date	Details
Nov 2	Lifted low lift pump #1 and sent for repair in Ottawa
Nov 12	Low lift pump #1 rebuild and reinstall
Dec 12	Replacement of Filter 1 Media
Dec 27	Upgrade Outpost 5

Distribution System Maintenance

Date	Location Reference	Details
Jan 11	Rockland Distribution	Watermain break repair 194 A Edward St
Feb 1	Rockland Distribution	Watermain break repair 194 C Edward St
March 12	Rockland Distribution	Watermain break repair Patricia St
March 18	Rockland Distribution	Watermain break repair 844 St-Jean
May 9	Clarence Creek/St-Pascal	Flush distribution dead end hydrants in Clarence Creek and St-Pascal
May 10	Rockland Distribution	Flush distribution dead end hydrants in Rockland
July 23	Rockland Distribution	Watermain repair on Laurier/Outaouais
Oct 16	St-Pascal Distribution	St-Pascal fire hydrants system operation check list, flush and winterizing
Oct 24	Bourget Distribution	Bourget fire hydrants system operation check list, flushing and winterizing
Oct 28	Hammond Distribution	Hammond fire hydrants system operation check list, flushing and winterizing.
Oct 29	Cheney Distribution	Cheney fire hydrants system operation check list, flushing and winterizing
October 30	Bouvier Tower	Cleaned Bouvier Tower clogged drains
Nov 27	Rockland Distribution	fire hydrants system operation check list, flushing and winterizing

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: 3168-B2JK5N
Permit Holder: THE CORPORATION OF THE CITY OF CLARENCE-ROCKLAND.
Received on:Feb 5, 2025 1:39 PM

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

VERONIQUE VANDERGOTEN | 2025/02/05
version: v4.5.0.21 (build#: 22)
Last modified: 2018/09/18

Ontario This site maintained by the Government of Ontario

ROCKLAND DRINKING WATER SYSTEM / Raw Water

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

Station: **Daily Max:** 9275.7 on December 08

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6540.60	7054.00	7198.70	7336.10	7781.80	8464.00	7640.00	7615.10	6428.60	6830.80	7345.70	8197.70
2	6275.90	6729.80	7653.10	6698.70	7204.30	8222.00	8078.10	7542.10	6833.60	7140.50	8448.70	5967.60
3	5577.40	5796.30	8762.70	6699.10	7463.50	8221.70	6507.40	7401.40	7219.10	7079.70	7191.20	5305.40
4	6933.80	6826.60	7927.50	6903.60	7306.80	8949.70	8259.10	6446.50	7444.00	6627.70	6913.80	5644.60
5	6171.30	7949.20	7698.50	6626.70	8095.50	8906.40	7430.30	7094.30	7020.70	7160.80	7271.50	5587.50
6	6167.80	5660.70	8040.70	7226.40	7762.50	8573.50	7063.90	6979.40	6893.10	6686.40	7048.80	5474.90
7	7534.50	6911.20	8399.40	6768.30	7322.90	8392.70	6880.00	6984.80	7090.90	6755.50	6517.20	7943.30
8	6927.50	7623.10	8577.70	7680.00	6603.40	6975.90	7207.70	7607.70	6229.10	7277.20	6702.20	9275.70
9	6481.90	6783.50	7078.30	7057.20	7749.50	6031.00	7854.60	6492.60	7395.80	6101.70	6792.50	8505.60
10	5753.40	6874.80	6656.20	7440.90	7305.20	8027.30	6485.90	6520.00	7409.60	7221.90	7046.60	7125.20
11	5994.40	8014.00	8706.80	7050.10	7534.50	7601.00	6888.50	6697.60	6303.80	7063.10	7285.10	7163.80
12	6585.30	6835.80	7211.30	7165.70	7489.40	7601.30	7454.80	6662.70	7714.50	6735.50	6881.20	6676.40
13	6332.30	6866.50	7122.20	6828.30	7858.10	6935.40	7415.50	7244.50	7283.80	6726.20	7129.70	7619.70
14	6428.60	7322.80	8352.60	7705.30	7022.60	7128.60	7698.70	7354.30	7205.00	6496.90	6050.30	8115.70
15	6486.90	6616.30	7633.80	7381.90	7506.60	7332.40	8040.30	7208.80	7786.50	7319.50	7414.40	7066.20
16	6598.70	7283.80	7622.60	6655.30	7344.10	6593.00	7165.20	7250.20	7317.10	6910.90	5916.00	7905.00
17	6753.70	6266.30	7003.50	7469.90	8234.60	8363.50	7176.10	6818.90	5729.60	6330.10	8163.20	8069.90
18	7058.10	7796.90	8416.00	6700.50	7371.20	7915.00	6985.10	7128.60	5918.60	4787.40	7181.30	7581.10
19	6523.00	6099.60	7106.50	7605.00	8514.30	8198.60	7092.20	6651.20	7582.70	5950.10	7050.90	7604.80
20	6485.00	6744.90	7068.40	5565.10	8430.90	8118.70	7829.30	7097.50	8171.60	8728.70	7086.10	7805.50
21	7103.10	7204.60	6972.20	7944.40	8481.60	8454.00	6757.60	6827.80	8662.70	6988.50	6902.90	7947.60
22	6923.60	6756.70	6575.00	8043.80	8806.70	7623.90	8343.00	7024.70	8734.20	7273.50	6181.50	8373.60
23	7302.40	6996.40	6444.50	7002.60	7687.40	7300.40	8378.80	6992.70	7744.00	6942.00	7738.40	7623.20
24	5852.60	7221.80	7248.60	5884.90	8364.10	7030.80	7709.10	7397.00	7033.30	6523.90	6914.40	7588.80
25	6840.50	7393.00	6662.90	8225.50	7533.80	7655.80	7204.70	7272.50	7683.70	6312.80	7414.90	7218.70
26	7291.60	7701.30	7264.20	7754.70	8401.90	6804.30	7377.80	6439.80	6735.40	6861.70	7084.70	7530.10
27	7134.90	6580.30	6681.10	6828.50	7583.20	7779.10	7303.10	7572.60	5691.40	6972.20	7144.50	7292.90
28	6728.20	7550.20	6754.90	7060.10	7073.40	7267.70	6801.20	7819.50	6953.10	7482.20	6574.60	7633.30
29	6930.50	7140.90	7390.40	7507.70	6856.30	7017.50	8162.40	6998.80	7585.40	6221.70	7352.00	7530.30
30	7393.40		6765.10	5327.30	6530.60	6512.80	7373.10	7208.60	7562.20	6102.40	7274.30	7136.50
31	6506.80		6608.30		6652.00		6858.50	6788.50		7028.10		8197.70
Min	5577.40	5660.70	6444.50	5327.30	6530.60	6031.00	6485.90	6439.80	5691.40	4787.40	5916.00	5305.40
Mean	6632.83	6986.25	7406.57	7071.45	7608.80	7666.60	7400.71	7069.05	7178.77	6794.83	7067.29	7377.69
Max	7534.50	8014.00	8762.70	8225.50	8806.70	8949.70	8378.80	7819.50	8734.20	8728.70	8448.70	9275.70