Val Harbour Subdivision Drinking Water System

Waterworks # 220010690 System Category – Small Municipal Residential

Annual Water Report

Prepared For: The Township of Ramara

Reporting Period of January 1st – December 31st, 2023

Issued: February 27, 2024

Revision: 0

Operating Authority:



Rev. 0 Val Harbour Drinking Water System – 2023 Annual Reports Issued: February 27, 2024

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Report Availability

This system does <u>not</u> serve more than 10,000 residence and the annual reports will be available to residents at the Township Of Ramara Administration Office and on the Township's website at <u>www.ramara.ca</u>. Notification that reports are available free of charge will be made on the Township of Ramara website. The Township of Ramara Administration Office is located at 2297 Highway 12, Brechin, ON LOK 1B0.

Compliance Report Card

Drinking Water System Number: 220010690
Drinking Water System Name: Val Harbour DWS
Drinking Water System Owner: Township of Ramara

Drinking Water System Category: Small Municipal Residential **Period Being Reported:** January 1, 2023 - December 31, 2023

	# of Events	Date	Details
Health & Safety			
Number of Incidents	0		
Drinking Water			
MECP Inspections	0		Inspection for 2023/2024 inspection cycle completed in February 2024. Final inspection rating not available at time of report issuance. Inspection for 2022/2023 cycle completed in January 2023. Final inspection rating of 100%
AWQI	0		
Number of Non-Compliances	0		
Number of Boil Water Advisories	0		

System Process Description

Raw Source

The Val Harbour DWS is supplied with raw groundwater from three non-GUDI wells: Well # 1, # 2 and # 3R.

Treatment

The treatment system consists of the following:

- Sodium hypochlorite primary disinfection system
- Two (2) below grade reservoir for potable water storage
- A high lift pumping system
- Stand-by propane generator on-site

Treatment Chemicals used during the reporting year:

Chemical Name	Use	Supplier
Sodium Hypochlorite	Disinfection	Brenntag

Summary of Non-Compliance

Adverse Water Quality Incidents

Date	AWQI#	Location	Problem	Details	Legislation	Corrective Action Taken	
There were no adverse water quality incidents during the reporting period.							

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 issues 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 Ministry Inspections during the reporting period.								

Flows

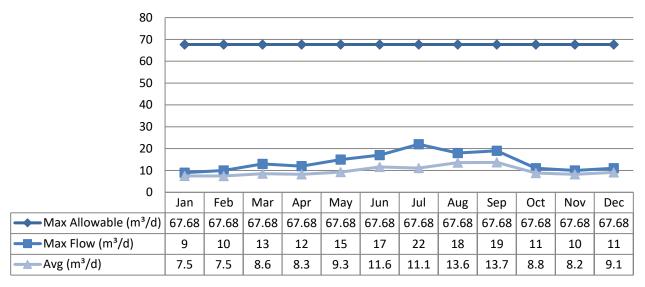
The Val Harbour Drinking Water System is operating on average under half the rated capacity.

Raw Water Flows

The Permit to Take Water compliance criteria is in litres per minute (L/min) but for the purposes of this report the flow rate is reported in litres per second (L/sec) based on industry standard for flow monitoring recording. The Raw Water flows are regulated under the Permit to Take Water. 2023 Raw Flow Data was submitted to the Ministry electronically under permit P-300-9104539203. The confirmation and a copy of the data that was submitted are attached in Appendix A.

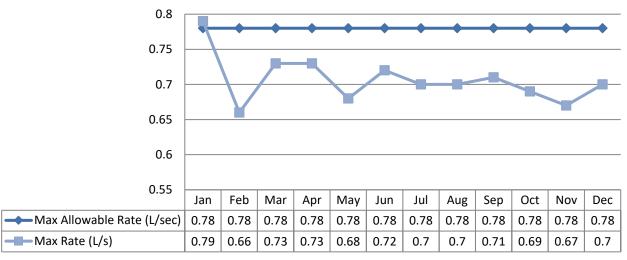
Total Monthly Flows (m³/d)

Max Allowable PTTW - Well # 1



Monthly Rated Flows (L/s)

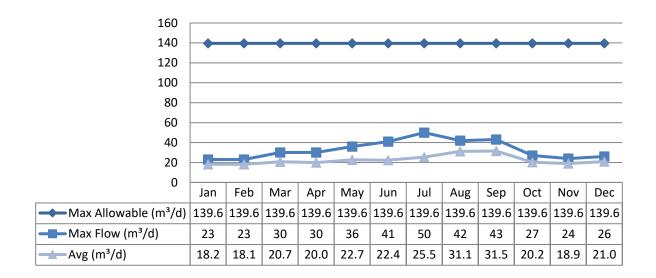
Max allowable rate - PTTW - Well # 1



^{*}The above table shows exceedances in instantaneous peak flow rate (L/s). The spike in January was due to scheduled flow meter calibrations. All spikes are reviewed for compliance

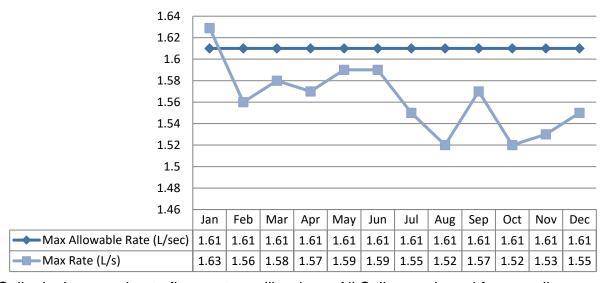
Total Monthly Flows (m³/d)

Max Allowable PTTW - Well # 2



Monthly Rated Flows (L/s)

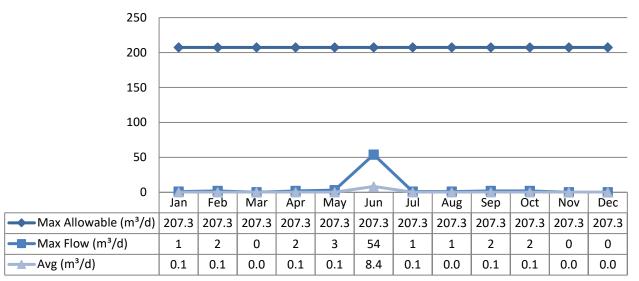
Max allowable rate - PTTW - Well # 2



^{*} Spike in January due to flow meter calibrations. All Spikes reviewed for compliance.

Total Monthly Flows (m³/d)

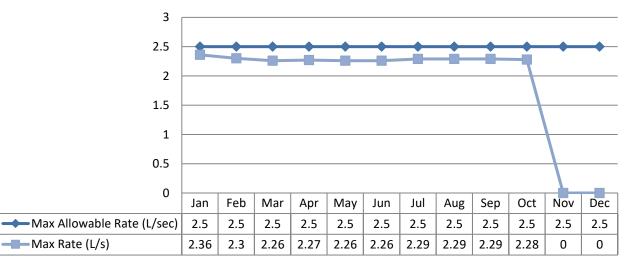
Max Allowable PTTW - Well # 3R



Note: Well # 3R not in production during reporting period other than for sampling purposes and in June 2023 for when Well # 2 was offline for maintenance. Well # 3 was offline completely in November and December due to mechanical issues.

Monthly Rated Flows (L/s)

Max allowable rate - PTTW - Well # 3R



Note: Well # 3R not in production during reporting period other than for sampling purposes and in June 2023 when Well # 2 was offline for maintenance. Well # 3 was offline in November in December.

Treated Water Flows

The Treated Water flows are regulated under the Municipal Licence. The average water consumption for the Val Harbour Drinking Water System during 2023 was: 37 m³/day.

Val Harbour Drinking Water System Historical Demands

Year	Number of Connections	Average Daily Demand (m³)	Maximum Daily Demand (m³/day)	Rated Capacity	Per Capit Consump (L/p/day) Average	
2013	62	31	79	207	195	491
2014	62	30	82	207	188	509
2015	63	31	63	207	190	385
2016	63	32	74	207	195	452
2017	64	30	64	207	182	385
2018	64	37	89	207	224	536
2019	65	31	55	207	186	325
2020	66	35	81	207	207	479
2021	66	39	80	207	231	473
2022	69	34	71	207	198	396
2023	70	37	74	207	203	407
3 Year Averag	je/Max	37	80	207	210	473

^{*}Based on 2.6 people per dwelling

Note: Excluding pipe leaks/breaks & system flushing

Note: This calculation was completed based on current connections in the system, growth within the drinking water system has not been considered.

System Reserve Capacity

In accordance with the MECP Procedure D-5-1, the reserve capacity is calculated by the following formula:

Reserve Capacity= Design Flow- Committed Flow

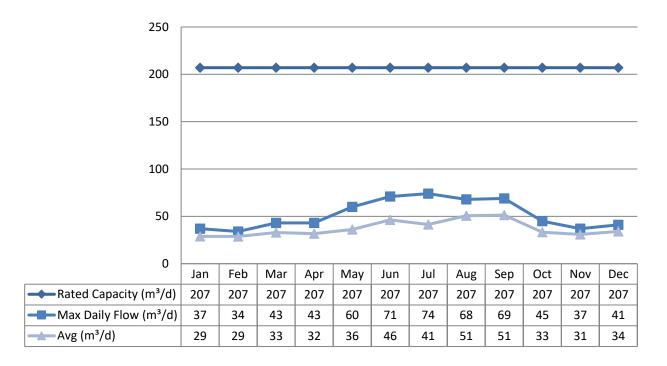
Design flow is the maximum permissible flow approved by the MDWL and/or PTTW. Val Harbour Water Works maximum daily rated capacity is 207 m³/day.

The committed flow is the total expected water demand from the existing and proposed connections based on the previous three years of data. The committed number of service connections is: 74. The three-year (2021-2023) maximum per capita water consumption is: 473 L/p/day. At this water consumption rate, the committed flow is: 91 m³/day.

As a result, the calculated reserve capacity is: 116 m³/day.

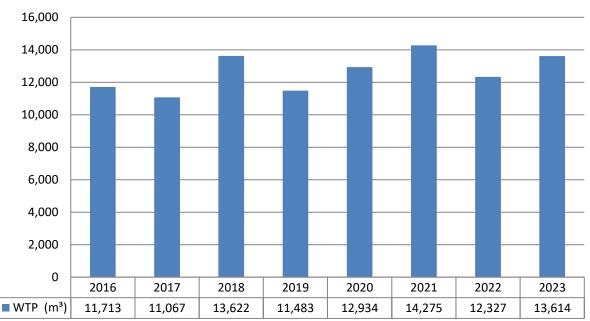
Monthly Rated Flows

Rated Capacity - MDWL



Annual Total Flow Comparison

Total Annual m³



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 Well 1	12	0	0	0	0		
Raw Well 2	12	0	0	0	0		
Raw Well 3R	10	0	0	0	0		
Distribution	26	0	0	0	0	0	5

^{*}NOTE – Well 3 offline for November and December

Operational Testing

Tre	No. of		f Results
	Samples	Minimum	Maximum
	Collected		
Turbidity Well 1 (NTU)	12	0.13	1.38
Turbidity Well 2 (NTU)	12	0.15	1.60
Turbidity Well 3R (NTU)	10*	0.41	3.15
Turbidity – Treated Water (NTU)	8760	0.06	2.08
Treated Water Chlorine	8760	0.25	2.08
Distribution Water Chlorine	96	0.29	1.86
Fluoride (If the DWS provides fluoridation)	N/A	N/A	N/A

Note: Record the unit of measure if it is **not** milligrams per litre.

Note: For continuous monitors 8760 is used as the number of samples. 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. 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 = Method Detection Limit

	Sample Date	Sample	MAC	Exce	edances
	(yyyy/mm/dd)	Result		MAC	1/2 MAC
Treated Water					
Antimony: Sb (ug/L) - TW	2019/08/21	<mdl 0.09<="" td=""><td>6.0</td><td>No</td><td>No</td></mdl>	6.0	No	No
Arsenic: As (ug/L) - TW	2019/08/21	<mdl 0.2<="" td=""><td>10.0</td><td>No</td><td>No</td></mdl>	10.0	No	No

^{*} **Note:** Well # 3R not in production during reporting period other than for sampling purposes and in June 2023 when Well # 2 was offline for maintenance. Well # 3 was offline completely in November and December.

	Sample Date	Sample	MAC	Exceedances	
	(yyyy/mm/dd)	Result		MAC	1/2 MAC
Barium: Ba (ug/L) - TW	2019/08/21	129.0	1000.0	No	No
Boron: B (ug/L) - TW	2019/08/21	59.0	5000.0	No	No
Cadmium: Cd (ug/L) - TW	2019/08/21	0.003	5.0	No	No
Chromium: Cr (ug/L) - TW	2019/08/21	0.12	50.0	No	No
Mercury: Hg (ug/L) - TW	2019/08/21	<mdl 0.01<="" td=""><td>1.0</td><td>No</td><td>No</td></mdl>	1.0	No	No
Selenium: Se (ug/L) - TW	2019/08/21	0.07	50.0	No	No
Uranium: U (ug/L) - TW	2019/08/21	0.385	20.0	No	No
Additional Inorganics					
Fluoride (mg/L) - TW	2022/08/04	0.13	1.5	No	No
Nitrite (mg/L) - TW	2023/02/07	<mdl< td=""><td>1.0</td><td>No</td><td>No</td></mdl<>	1.0	No	No
		0.003			
Nitrite (mg/L) - TW	2023/05/03	<mdl< td=""><td>1.0</td><td>No</td><td>No</td></mdl<>	1.0	No	No
		0.003			
Nitrite (mg/L) - TW	2023/08/01	0.009	1.0	No	No
Nitrite (mg/L) - TW	2023/11/06	<mdl< td=""><td>1.0</td><td>No</td><td>No</td></mdl<>	1.0	No	No
		0.003			
Nitrate (mg/L) - TW	2023/02/07	2.45	10.0	No	No
Nitrate (mg/L) - TW	2023/05/03	2.19	10.0	No	No
Nitrate (mg/L) - TW	2023/08/01	1.88	10.0	No	No
Nitrate (mg/L) - TW	2023/11/06	1.72	10.0	No	No
Sodium: Na (mg/L) - TW	2020/08/12	26.0	20*	Yes	Yes
Sodium: Na (mg/L) - TW	2020/08/24	21.4	20*	Yes	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. No plumbing samples were collected.

Distributio n System	Number of Sample s	Range of Results Minimu m	Range of Results Maximum	MAC (ug/L)	Number of Exceedances
Alkalinity (mg/L)	2	256	256	N/A	N/A
рН	2	7.80	7.86	N/A	N/A
Lead (ug/l)	0	-	-	10	0

Note: Lead is only required to be sample every 3 years and was last sampled in 2022.

<u>Organic Parameters</u>
These parameters are tested every 5 years 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	Sample			nber of edances
	(yyyy/mm/dd)	Result	MAC	MAC	1/2 MAC
Treated Water					
Alachlor (ug/L) - TW	2019/08/21	<mdl 0.02<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
Atrazine + N-dealkylated metabolites	2019/08/21	<mdl 0.01<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
(ug/L) - TW					
Azinphos-methyl (ug/L) - TW	2019/08/21	<mdl 0.05<="" td=""><td>20.00</td><td>No</td><td>No</td></mdl>	20.00	No	No
Benzene (ug/L) - TW	2019/08/21	<mdl 0.32<="" td=""><td>1.00</td><td>No</td><td>No</td></mdl>	1.00	No	No
Benzo(a)pyrene (ug/L) - TW	2019/08/21	<mdl 0.004</mdl 	0.01	No	No
Bromoxynil (ug/L) - TW	2019/08/21	<mdl 0.33<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
Carbaryl (ug/L) - TW	2019/08/21	<mdl 0.05<="" td=""><td>90.00</td><td>No</td><td>No</td></mdl>	90.00	No	No
Carbofuran (ug/L) - TW	2019/08/21	<mdl 0.01<="" td=""><td>90.00</td><td>No</td><td>No</td></mdl>	90.00	No	No
Carbon Tetrachloride (ug/L) - TW	2019/08/21	<mdl 0.17<="" td=""><td>2.00</td><td>No</td><td>No</td></mdl>	2.00	No	No
Chlorpyrifos (ug/L) - TW	2019/08/21	<mdl 0.02<="" td=""><td>90.00</td><td>No</td><td>No</td></mdl>	90.00	No	No
Diazinon (ug/L) - TW	2019/08/21	<mdl 0.02<="" td=""><td>20.00</td><td>No</td><td>No</td></mdl>	20.00	No	No
Dicamba (ug/L) - TW	2019/08/21	<mdl 0.20<="" td=""><td>120.00</td><td>No</td><td>No</td></mdl>	120.00	No	No
1,2-Dichlorobenzene (ug/L) - TW	2019/08/21	<mdl 0.41<="" td=""><td>200.00</td><td>No</td><td>No</td></mdl>	200.00	No	No
1,4-Dichlorobenzene (ug/L) - TW	2019/08/21	<mdl 0.36<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
1,2-Dichloroethane (ug/L) - TW	2019/08/21	<mdl 0.35<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
1,1-Dichloroethylene (ug/L) - TW	2019/08/21	<mdl 0.33<="" td=""><td>14.00</td><td>No</td><td>No</td></mdl>	14.00	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2019/08/21	<mdl 0.35<="" td=""><td>50.00</td><td>No</td><td>No</td></mdl>	50.00	No	No
2,4-Dichlorophenol (ug/L) - TW	2019/08/21	<mdl 0.15<="" td=""><td>900.00</td><td>No</td><td>No</td></mdl>	900.00	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2019/08/21	<mdl 0.19<="" td=""><td>100.00</td><td>No</td><td>No</td></mdl>	100.00	No	No
Diclofop-methyl (ug/L) - TW	2019/08/21	<mdl 0.4<="" td=""><td>9.00</td><td>No</td><td>No</td></mdl>	9.00	No	No
Dimethoate (ug/L) - TW	2019/08/21	<mdl 0.06<="" td=""><td>20.00</td><td>No</td><td>No</td></mdl>	20.00	No	No
Diquat (ug/L) - TW	2019/08/21	<mdl 1.0<="" td=""><td>70.00</td><td>No</td><td>No</td></mdl>	70.00	No	No
Diuron (ug/L) - TW	2019/08/21	<mdl 0.03<="" td=""><td>150.00</td><td>No</td><td>No</td></mdl>	150.00	No	No
Glyphosate (ug/L) - TW	2019/08/21	<mdl 1.0<="" td=""><td>280.00</td><td>No</td><td>No</td></mdl>	280.00	No	No
Malathion (ug/L) - TW	2019/08/21	<mdl 0.02<="" td=""><td>190.00</td><td>No</td><td>No</td></mdl>	190.00	No	No
2-Methyl-4chlorophenoxyacetic Acid (MCPA) (ug/L)	2019/08/21	<mdl 0.12<="" td=""><td>100</td><td>No</td><td>No</td></mdl>	100	No	No
Metolachlor (ug/L) - TW	2019/08/21	<mdl 0.01<="" td=""><td>50.00</td><td>No</td><td>No</td></mdl>	50.00	No	No
Metribuzin (ug/L) - TW	2019/08/21	<mdl 0.02<="" td=""><td>80.00</td><td>No</td><td>No</td></mdl>	80.00	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2019/08/21	<mdl 0.3<="" td=""><td>80.00</td><td>No</td><td>No</td></mdl>	80.00	No	No
Paraquat (ug/L) - TW	2019/08/21	<mdl 1.0<="" td=""><td>10.00</td><td>No</td><td>No</td></mdl>	10.00	No	No
PCB (ug/L) - TW	2019/08/21	<mdl 0.04<="" td=""><td>3.00</td><td>No</td><td>No</td></mdl>	3.00	No	No

	Sample Date	Sample	MAC		ber of edances
	(yyyy/mm/dd)	Result	IVIAC	MAC	1/2 MAC
Pentachlorophenol (ug/L) - TW	2019/08/21	<mdl 0.15<="" td=""><td>60.00</td><td>No</td><td>No</td></mdl>	60.00	No	No
Phorate (ug/L) - TW	2019/08/21	<mdl 0.01<="" td=""><td>2.00</td><td>No</td><td>No</td></mdl>	2.00	No	No
Picloram (ug/L) - TW	2019/08/21	<mdl 1.0<="" td=""><td>190.00</td><td>No</td><td>No</td></mdl>	190.00	No	No
Prometryne (ug/L) - TW	2019/08/21	<mdl 0.03<="" td=""><td>1.00</td><td>No</td><td>No</td></mdl>	1.00	No	No
Simazine (ug/L) - TW	2019/08/21	<mdl 0.01<="" td=""><td>10.00</td><td>No</td><td>No</td></mdl>	10.00	No	No
Terbufos (ug/L) - TW	2019/08/21	<mdl 0.01<="" td=""><td>1.00</td><td>No</td><td>No</td></mdl>	1.00	No	No
Tetrachloroethylene (ug/L) - TW	2019/08/21	<mdl 0.35<="" td=""><td>10.00</td><td>No</td><td>No</td></mdl>	10.00	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2019/08/21	<mdl 0.2<="" td=""><td>100.00</td><td>No</td><td>No</td></mdl>	100.00	No	No
Triallate (ug/L) - TW	2019/08/21	<mdl 0.01<="" td=""><td>230.00</td><td>No</td><td>No</td></mdl>	230.00	No	No
Trichloroethylene (ug/L) - TW	2019/08/21	<mdl 0.44<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
2,4,6-Trichlorophenol (ug/L) - TW	2019/08/21	<mdl 0.25<="" td=""><td>5.00</td><td>No</td><td>No</td></mdl>	5.00	No	No
Trifluralin (ug/L) - TW	2019/08/21	<mdl 0.02<="" td=""><td>45.00</td><td>No</td><td>No</td></mdl>	45.00	No	No
Vinyl Chloride (ug/L) - TW	2019/08/21	<mdl 0.17<="" td=""><td>1.00</td><td>No</td><td>No</td></mdl>	1.00	No	No
Distribution Water					
Trihalomethane: Total (ug/L) Annual Average - DW	2023	16.50	100	No	No
HAA Total (ug/L) Annual Average - DW	2023	5.4	80	No	No

MAC = Maximum Allowable Concentration as per O. Reg. 169/03

MDL = Method Detection Limit

Additional Legislated Samples

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure					
No additional legislated samples required.									

Inorganic or Organic Parameter Exceedances

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample			
No exceedances.						

Major Maintenance Summary incurred to install, repair or replace required equipment

oquipinoni	
ltem #	Description
1	Replace chlorine pump
2	Reservoir ROV inspection

Appendix A

WTRS Submission Confirmation



Regulatory Self-Reporting System Ministry of the Environment, Conservation and Parks

Client Name: CORPORATION OF THE TOWNSHIP OF RAMARA Reporting Year: 2023 Service: PTTW Permit Number: P-300-9104539203 Permit Version: 1.0 New

or Updated Submission: NEW

Site Name: Val Harbour Subdivision Drinking Water System

Source ID: 500000549102 Source Name: Lake Simcoe Source Type: Well

UTM(Zone/Easting/Northing): 17/635140.0/4936050.0 Method of Determination: Metered Unit of Measure: Litre

Description: Well #1 Purpose Category: Public administration Specific Category: Municipal Supply Activity: Water Supply

Description	n. wen#1	ruipose C	Jalegory: Public	aummistratio	n Specific	category: Mur	licipal Supply	Activity.	vvaler Supply			
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	9000.0	7000.0	7000.0	0.0008	7000.0	11000.0	14000.0	0.0008	17000.0	11000.0	7000.0	7000.0
2	7000.0	7000.0	7000.0	10000.0	7000.0	11000.0	22000.0	12000.0	15000.0	11000.0	7000.0	10000.0
3	7000.0	6000.0	7000.0	6000.0	7000.0	16000.0	17000.0	0.0008	18000.0	9000.0	7000.0	10000.0
4	7000.0	8000.0	7000.0	9000.0	7000.0	15000.0	12000.0	10000.0	19000.0	11000.0	10000.0	10000.0
5	9000.0	7000.0	9000.0	6000.0	9000.0	17000.0	12000.0	13000.0	14000.0	9000.0	10000.0	7000.0
6	7000.0	7000.0	7000.0	9000.0	10000.0	12000.0	9000.0	15000.0	13000.0	0.0008	0.0008	8000.0
7	9000.0	7000.0	9000.0	7000.0	9000.0	10000.0	10000.0	15000.0	14000.0	10000.0	8000.0	9000.0
8	7000.0	7000.0	10000.0	10000.0	7000.0	13000.0	10000.0	11000.0	13000.0	11000.0	0.0008	9000.0
9	7000.0	7000.0	9000.0	10000.0	9000.0	7000.0	12000.0	15000.0	17000.0	10000.0	10000.0	11000.0
10	7000.0	7000.0	10000.0	9000.0	7000.0	12000.0	11000.0	13000.0	15000.0	7000.0	9000.0	10000.0
11	7000.0	7000.0	11000.0	7000.0	9000.0	8000.0	10000.0	15000.0	14000.0	10000.0	0.0008	8000.0
12	7000.0	10000.0	13000.0	9000.0	7000.0	9000.0	10000.0	14000.0	13000.0	7000.0	0.0008	7000.0
13	7000.0	7000.0	9000.0	7000.0	9000.0	10000.0	10000.0	14000.0	14000.0	7000.0	9000.0	10000.0
14	9000.0	7000.0	10000.0	9000.0	12000.0	8000.0	10000.0	13000.0	13000.0	10000.0	7000.0	9000.0
15	8000.0	7000.0	9000.0	0.0008	8000.0	8000.0	10000.0	12000.0	14000.0	10000.0	7000.0	8000.0
16	9000.0	7000.0	9000.0	10000.0	9000.0	13000.0	14000.0	14000.0	15000.0	8000.0	7000.0	10000.0
17	7000.0	7000.0	9000.0	9000.0	7000.0	11000.0	10000.0	13000.0	16000.0	0.0008	8000.0	10000.0
18	7000.0	9000.0	12000.0	6000.0	9000.0	15000.0	9000.0	14000.0	15000.0	0.0008	9000.0	9000.0
19	8000.0	9000.0	10000.0	7000.0	7000.0	15000.0	8000.0	13000.0	14000.0	9000.0	9000.0	8000.0
20	7000.0	7000.0	9000.0	0.0008	9000.0	14000.0	10000.0	14000.0	14000.0	7000.0	9000.0	7000.0
21	7000.0	10000.0	10000.0	7000.0	10000.0	13000.0	9000.0	13000.0	16000.0	10000.0	7000.0	8000.0
22	7000.0	6000.0	6000.0	9000.0	13000.0	12000.0	8000.0	13000.0	12000.0	10000.0	10000.0	9000.0
23	9000.0	7000.0	7000.0	9000.0	7000.0	7000.0	12000.0	13000.0	12000.0	9000.0	7000.0	10000.0
24	7000.0	7000.0	7000.0	7000.0	0.0008	12000.0	0.0008	18000.0	14000.0	7000.0	7000.0	11000.0
25	7000.0	9000.0	9000.0	9000.0	9000.0	16000.0	10000.0	15000.0	10000.0	7000.0	10000.0	9000.0
26	7000.0	8000.0	9000.0	7000.0	7000.0	8000.0	10000.0	14000.0	10000.0	7000.0	9000.0	11000.0
27	7000.0	8000.0	7000.0	7000.0	12000.0	8000.0	10000.0	18000.0	10000.0	9000.0	7000.0	10000.0
28	9000.0	7000.0	7000.0	7000.0	14000.0	9000.0	14000.0	18000.0	10000.0	0.0008	8000.0	8000.0
29	7000.0		7000.0	10000.0	14000.0	12000.0	10000.0	14000.0	10000.0	9000.0	7000.0	9000.0
30	7000.0		7000.0	12000.0	15000.0	16000.0	11000.0	13000.0	10000.0	0.0008	10000.0	10000.0
31	7000.0		6000.0		14000.0		12000.0	16000.0		0.0008		11000.0

Site Name: Val Harbour Subdivision Drinking Water System

Source ID: 500000549101 Source Name: Lake Simcoe Source Type: Well

UTM(Zone/Easting/Northing): 17/635270.0/4936100.0 Method of Determination: Metered Unit of Measure: Litre

Description: Well #2 Purpose Category: Public administration Specific Category: Municipal Supply Activity: Water Supply

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	23000.0	16000.0	16000.0	18000.0	17000.0	28000.0	32000.0	20000.0	39000.0	24000.0	17000.0	17000.0
2	17000.0	17000.0	17000.0	24000.0	18000.0	27000.0	50000.0	28000.0	35000.0	27000.0	16000.0	23000.0
3	17000.0	16000.0	17000.0	16000.0	17000.0	39000.0	40000.0	17000.0	41000.0	20000.0	16000.0	23000.0
4	17000.0	18000.0	17000.0	22000.0	17000.0	40000.0	28000.0	23000.0	43000.0	24000.0	24000.0	22000.0
5	21000.0	18000.0	22000.0	15000.0	22000.0	41000.0	28000.0	30000.0	33000.0	22000.0	22000.0	17000.0
6	16000.0	17000.0	17000.0	21000.0	23000.0	28000.0	20000.0	33000.0	30000.0	18000.0	18000.0	18000.0
7	23000.0	17000.0	22000.0	17000.0	22000.0	25000.0	22000.0	37000.0	31000.0	23000.0	19000.0	21000.0
8	17000.0	16000.0	23000.0	24000.0	17000.0	32000.0	24000.0	24000.0	31000.0	26000.0	19000.0	22000.0
9	16000.0	18000.0	23000.0	23000.0	22000.0	18000.0	28000.0	34000.0	38000.0	23000.0	22000.0	26000.0
10	17000.0	16000.0	25000.0	22000.0	17000.0	30000.0	25000.0	30000.0	35000.0	17000.0	22000.0	22000.0
11	17000.0	18000.0	27000.0	18000.0	22000.0	19000.0	23000.0	34000.0	33000.0	22000.0	17000.0	17000.0
12	17000.0	23000.0	30000.0	22000.0	16000.0	22000.0	24000.0	32000.0	29000.0	16000.0	18000.0	18000.0
13	16000.0	18000.0	23000.0	17000.0	23000.0	23000.0	22000.0	32000.0	31000.0	17000.0	21000.0	22000.0
14	22000.0	17000.0	23000.0	21000.0	29000.0	21000.0	23000.0	29000.0	31000.0	23000.0	16000.0	22000.0
15	18000.0	16000.0	22000.0	19000.0	19000.0	20000.0	23000.0	29000.0	31000.0	22000.0	16000.0	17000.0
16	22000.0	17000.0	22000.0	23000.0	21000.0	32000.0	31000.0	31000.0	36000.0	18000.0	17000.0	23000.0
17	17000.0	18000.0	23000.0	22000.0	17000.0	25000.0	23000.0	31000.0	37000.0	19000.0	19000.0	23000.0
18	17000.0	21000.0	28000.0	16000.0	23000.0	36000.0	23000.0	30000.0	34000.0	17000.0	20000.0	22000.0
19	21000.0	23000.0	24000.0	17000.0	16000.0	35000.0	17000.0	30000.0	31000.0	23000.0	19000.0	17000.0
20	17000.0	18000.0	23000.0	18000.0	23000.0	33000.0	22000.0	33000.0	33000.0	16000.0	22000.0	17000.0
21	17000.0	22000.0	23000.0	17000.0	26000.0	30000.0	22000.0	30000.0	36000.0	22000.0	17000.0	17000.0
22	17000.0	16000.0	16000.0	22000.0	30000.0	14000.0	17000.0	29000.0	29000.0	22000.0	21000.0	23000.0
23	22000.0	17000.0	16000.0	23000.0	18000.0		29000.0	31000.0	27000.0	21000.0	17000.0	23000.0
24	16000.0	17000.0	17000.0	17000.0	18000.0		17000.0	39000.0	32000.0	17000.0	16000.0	23000.0
25	17000.0	22000.0	21000.0	22000.0	23000.0		25000.0	36000.0	24000.0	16000.0	23000.0	21000.0
26	16000.0	18000.0	23000.0	16000.0	17000.0		22000.0	32000.0	23000.0	16000.0	22000.0	25000.0
27	17000.0	21000.0	17000.0	17000.0	30000.0		23000.0	42000.0	23000.0	21000.0	16000.0	22000.0
28	22000.0	17000.0	16000.0	18000.0	35000.0		31000.0	42000.0	23000.0	17000.0	17000.0	18000.0
29	17000.0		17000.0	22000.0	34000.0	16000.0	23000.0	29000.0	23000.0	22000.0	17000.0	22000.0
30	18000.0		16000.0	30000.0	36000.0	38000.0	26000.0	32000.0	23000.0	18000.0	22000.0	24000.0
31	17000.0		16000.0		34000.0		27000.0	36000.0		17000.0		23000.0

Site Name: Val Harbour Subdivision Drinking Water System

Source ID: 500000549100 Source Name: Well #3 Source Type: Well

UTM(Zone/Easting/Northing): 17/635465.0/4936606.0 Method of Determination: Metered Unit of Measure: Litre

Description: Well #3R Purpose Category: Public administration Specific Category: Municipal Supply Activity: Water Supply

						mo oatogory: ma			y. Water Supply			
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1												
2								1000.0				
3	1000.0				3000.0					2000.0		
4												
5				2000.0		1000.0	1000.0		2000.0			
6												
7												
8		2000.0										
9						1000.0						
10							1000.0					
11												
12												
13												
14												
15												
16												
17												
18	1000.0											
19												
20												
21												
22						21000.0						
23						27000.0						
24						41000.0						
25						54000.0						
26						29000.0						
27						27000.0						
28						35000.0						
29						15000.0						
30												
31												