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, 2021

Issued: February 25, 2022

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

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Report Availability

This system does not 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 www.ramara.ca. 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 L0K 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, 2021 - December 31, 2021

	# of Events	Date	Details
Health & Safety			
Number of Incidents	0		
Drinking Water			
MECP Inspections	1	November 05, 2021	Announced - Detailed Drinking Water Inspection – Final Inspection Rating of 98.66%
AWQI	1	May 14, 2021	Low system pressure due to power outage
Number of Non-Compliances	1	December 30, 2021	Identified during inspection: Monthly raw water turbidity handheld samples were missed for all 3 wells in September and October of 2020
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
- Sodium hypochlorite secondary disinfection 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
May 14, 2021	154067	Distribution	Pressure Loss	A power outage occurred and the standby generator failed to transfer.	O.Reg 170/03	Operator flushed and collected distribution chlorine residual. MOH requested that weekly sample results be sent. Note: Generator transfer switched replaced on July 29, 2021.

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
O. Reg 170/03	Schedule 7.3 of O.Reg 170/03- Monthly Raw Water Turbidity Samples	September and October 2020	As a corrective action, Operations staff were provided and trained on facility sampling calendars which list the requirement	Complete

Legislation	Requirement(s) system failed to meet	Duration of the failure (i.e. date(s))	Corrective Action	Status
			for monthly raw water turbidity sampling from each raw water source. A monthly work order was created to provide additional direction. MECP was notified at the time of discovery	

Flows

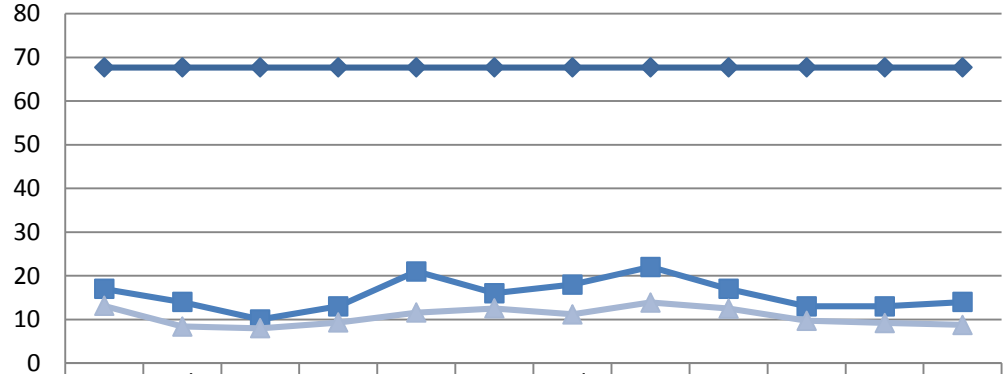
The Val Harbour Drinking Water System is operating on average under half the rated capacity.

Raw Water Flows

The Raw Water flows are regulated under the Permit to Take Water. 2021 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)

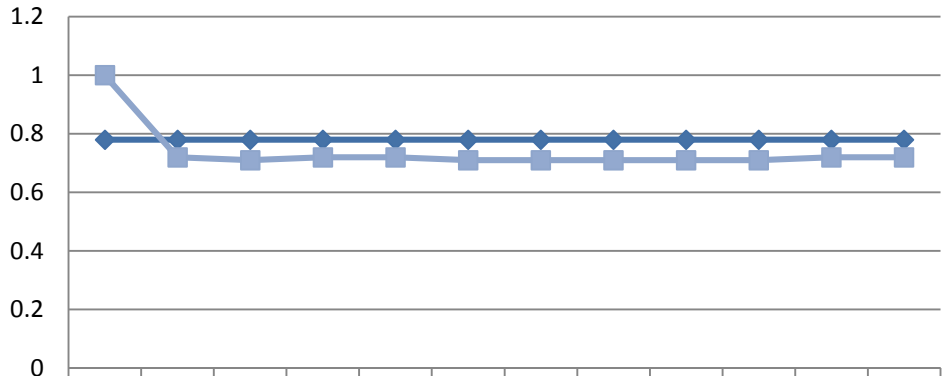
Max Allowable PTTW – Well #1



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable (m³/d)	67.68	67.68	67.68	67.68	67.68	67.68	67.68	67.68	67.68	67.68	67.68	67.68
Max Flow (m³/d)	17	14	10	13	21	16	18	22	17	13	13	14
Avg (m³/d)	13.10	8.39	8.00	9.30	11.58	12.53	11.19	13.90	12.50	9.71	9.20	8.74

Monthly Rated Flows (L/s)

Max allowable rate – PTTW − Well #1

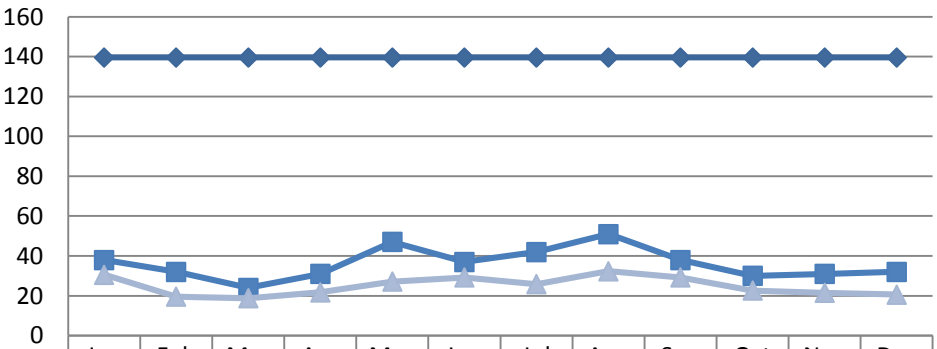


	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Rate (L/sec)	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
Max Rate (L/s)	1.00	0.72	0.71	0.72	0.72	0.71	0.71	0.71	0.71	0.71	0.72	0.72

Note: The above table shows there were exceedances in instantaneous peak flow rate (L/s). The spike in January was due to scheduled Flow Meter calibration. All spikes are reviewed for compliance.

Total Monthly Flows (m³/d)

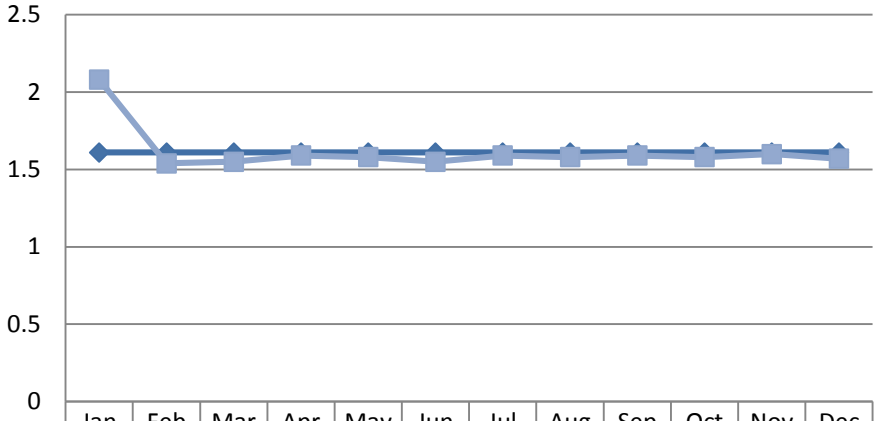
Max Allowable PTTW − Well #2



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable (m³/d)	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6	139.6
Max Flow (m³/d)	38	32	24	31	47	37	42	51	38	30	31	32
Avg (m³/d)	30.6	19.6	18.7	21.8	27.1	29.2	25.9	32.3	29.2	22.6	21.5	20.6

Monthly Rated Flows (L/s)

Max allowable rate – PTTW − Well #2

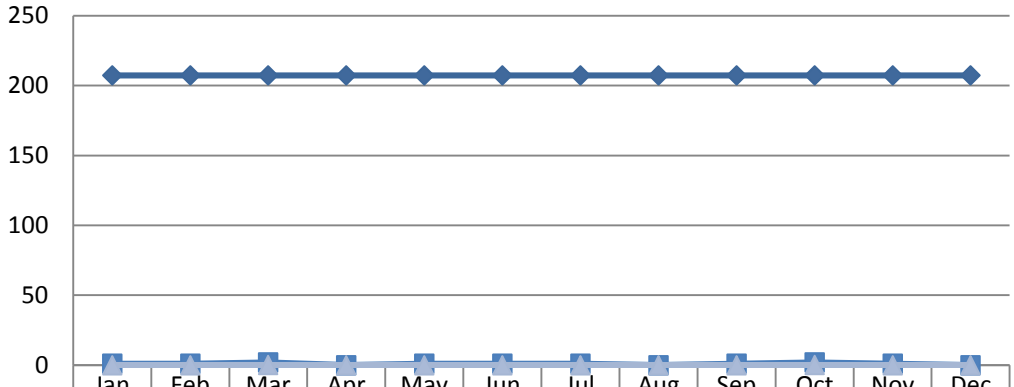


	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Rate (L/sec)	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61
Max Rate (L/s)	2.08	1.54	1.55	1.59	1.58	1.55	1.59	1.58	1.59	1.58	1.60	1.57

Note: The above table shows there were exceedances in instantaneous peak flow rate (L/s). The spike in January was due to scheduled Flow Meter calibration. All spikes are reviewed for compliance.

Total Monthly Flows (m³/d)

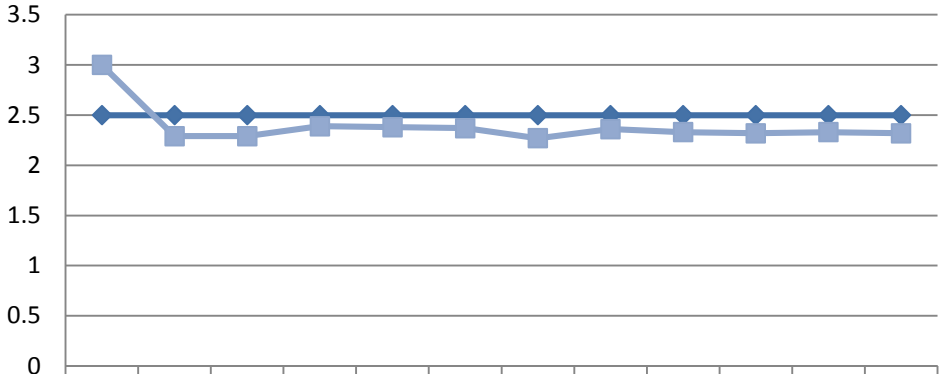
Max Allowable PTTW − Well #3R



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable (m³/d)	207.3	207.3	207.3	207.3	207.3	207.3	207.3	207.3	207.3	207.3	207.3	207.3
Max Flow (m³/d)	1	1	2	0	1	1	1	0	1	2	1	0
Avg (m³/d)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

Note: Well #3R not in production during reporting period other than for sampling purposes.

Monthly Rated Flows (L/s)
Max allowable rate – PTTW − Well #3R



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max Allowable Rate (L/sec)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Max Rate (L/s)	3.00	2.29	2.29	2.39	2.38	2.37	2.27	2.36	2.33	2.32	2.33	2.32

Note: Well #3R not in production during reporting period other than for sampling purposes. The above table shows there were exceedances in instantaneous peak flow rate (L/s). The spike in January was due to scheduled Flow Meter calibration. All spikes are reviewed for compliance.

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 2021 was: 39 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 Capita Consumption* (L/p/day)	
					Average	Maximum
2012	62	35	84	207	216	521
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
3 Year Average/Max		35	81	207	208	479

*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

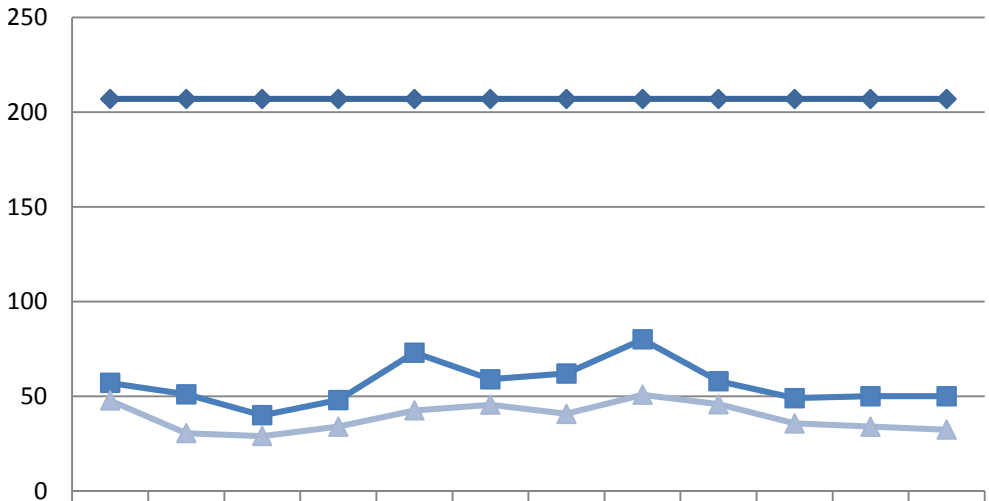
Design flow is the maximum permissible flow approved by the MDWL and/or PTTW. Val Harbour Water Works maximum daily rated capacity is 207 m³/day.

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 (2019-2021) maximum per capita water consumption is:479 L/p/day. At this water consumption rate, the committed flow is: 92 m³/day.

As a result, the calculated reserve capacity is: 115 m³/day.

Monthly Rated Flows

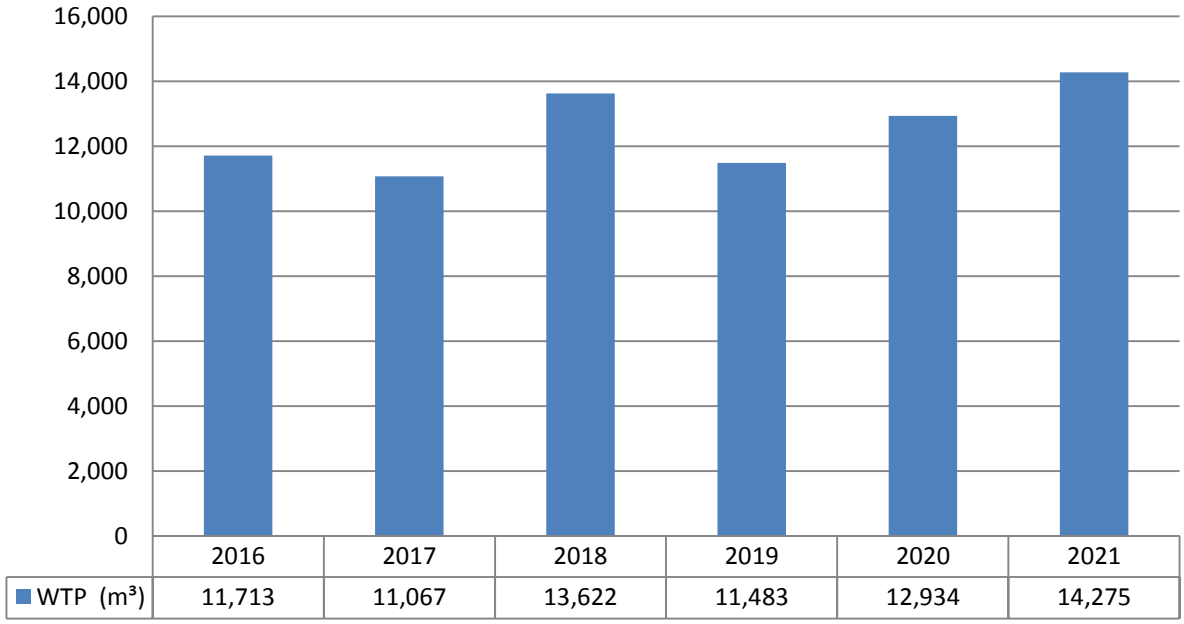
Rated Capacity – MDWL



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Rated Capacity (m³/d)	207	207	207	207	207	207	207	207	207	207	207	207
Max Daily Flow (m³/d)	57	51	40	48	73	59	62	80	58	49	50	50
Avg (m³/d)	48	31	29	34	43	46	41	51	46	36	34	32

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	12	0	0	0	0		
Distribution	28	0	0	0	0	0	0

Operational Testing

Tre	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Turbidity Well 1 (NTU)	12	0.10	0.55
Turbidity Well 2 (NTU)	12	0.11	0.59
Turbidity Well 3R (NTU)	12	0.29	1.17
Turbidity – Treated Water (NTU)	8760	0.04	2.08
Treated Water Chlorine (mg/L)	8760	0.00	2.48
Distribution Water Chlorine (mg/L)	105	0.53	1.66
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.
Note: Well #3R not in production during reporting period other than for sampling purposes.

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 (yyyy/mm/dd)	Sample Result	MAC	Exceedances	
				MAC	1/2 MAC
Treated Water					
Antimony: Sb (ug/L) - TW	2019/08/21	<MDL 0.09	6.0	No	No
Arsenic: As (ug/L) - TW	2019/08/21	<MDL 0.2	10.0	No	No
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	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	2017/08/15	0.14	1.5	No	No
Nitrite (mg/L) - TW	2021/02/09	0.003	1.0	No	No
Nitrite (mg/L) - TW	2021/05/12	0.003	1.0	No	No
Nitrite (mg/L) - TW	2021/08/04	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2021/11/02	<MDL 0.003	1.0	No	No
Nitrate (mg/L) - TW	2021/02/09	2.82	10.0	No	No
Nitrate (mg/L) - TW	2021/05/12	3.17	10.0	No	No
Nitrate (mg/L) - TW	2021/08/04	2.60	10.0	No	No
Nitrate (mg/L) - TW	2021/11/02	1.91	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.

Distribution System	Number of Samples	Range of Results Minimum	Range of Results Maximum	MAC (ug/L)	Number of Exceedances
Alkalinity (mg/L)	2	252	261	N/A	N/A
pH	2	7.50	7.90	N/A	N/A
Lead (ug/l)					

Note: Lead samples were last collected in the distribution system in 2019 as they are only required to be sampled every 36 months. Samples shown above are reflective of the 2021 lead sampling period.

Organic Parameters

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 (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Treated Water					
Alachlor (ug/L) - TW	2019/08/21	<MDL 0.02	5.00	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2019/08/21	<MDL 0.01	5.00	No	No
Azinphos-methyl (ug/L) - TW	2019/08/21	<MDL 0.05	20.00	No	No
Benzene (ug/L) - TW	2019/08/21	<MDL 0.32	1.00	No	No
Benzo(a)pyrene (ug/L) - TW	2019/08/21	<MDL 0.004	0.01	No	No
Bromoxynil (ug/L) - TW	2019/08/21	<MDL 0.33	5.00	No	No
Carbaryl (ug/L) - TW	2019/08/21	<MDL 0.05	90.00	No	No
Carbofuran (ug/L) - TW	2019/08/21	<MDL 0.01	90.00	No	No
Carbon Tetrachloride (ug/L) - TW	2019/08/21	<MDL 0.17	2.00	No	No
Chlorpyrifos (ug/L) - TW	2019/08/21	<MDL 0.02	90.00	No	No
Diazinon (ug/L) - TW	2019/08/21	<MDL 0.02	20.00	No	No
Dicamba (ug/L) - TW	2019/08/21	<MDL 0.20	120.00	No	No
1,2-Dichlorobenzene (ug/L) - TW	2019/08/21	<MDL 0.41	200.00	No	No
1,4-Dichlorobenzene (ug/L) - TW	2019/08/21	<MDL 0.36	5.00	No	No
1,2-Dichloroethane (ug/L) - TW	2019/08/21	<MDL 0.35	5.00	No	No
1,1-Dichloroethylene (ug/L) - TW	2019/08/21	<MDL 0.33	14.00	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2019/08/21	<MDL 0.35	50.00	No	No
2,4-Dichlorophenol (ug/L) - TW	2019/08/21	<MDL 0.15	900.00	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2019/08/21	<MDL 0.19	100.00	No	No
Diclofop-methyl (ug/L) - TW	2019/08/21	<MDL 0.4	9.00	No	No
Dimethoate (ug/L) - TW	2019/08/21	<MDL 0.06	20.00	No	No
Diquat (ug/L) - TW	2019/08/21	<MDL 1.0	70.00	No	No
Diuron (ug/L) - TW	2019/08/21	<MDL 0.03	150.00	No	No
Glyphosate (ug/L) - TW	2019/08/21	<MDL 1.0	280.00	No	No
Malathion (ug/L) - TW	2019/08/21	<MDL 0.02	190.00	No	No
2-Methyl-4chlorophenoxyacetic Acid (MCPA) (ug/L)	2019/08/21	<MDL 0.00012	1.00	No	No
Metolachlor (ug/L) - TW	2019/08/21	<MDL 0.01	50.00	No	No
Metribuzin (ug/L) - TW	2019/08/21	<MDL 0.02	80.00	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2019/08/21	<MDL 0.3	80.00	No	No
Paraquat (ug/L) - TW	2019/08/21	<MDL 1.0	10.00	No	No
PCB (ug/L) - TW	2019/08/21	<MDL 0.04	3.00	No	No
Pentachlorophenol (ug/L) - TW	2019/08/21	<MDL 0.15	60.00	No	No
Phorate (ug/L) - TW	2019/08/21	<MDL 0.01	2.00	No	No
Picloram (ug/L) - TW	2019/08/21	<MDL 1.0	190.00	No	No
Prometryne (ug/L) - TW	2019/08/21	<MDL 0.03	1.00	No	No
Simazine (ug/L) - TW	2019/08/21	<MDL 0.01	10.00	No	No
Terbufos (ug/L) - TW	2019/08/21	<MDL 0.01	1.00	No	No
Tetrachloroethylene (ug/L) - TW	2019/08/21	<MDL 0.35	10.00	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2019/08/21	<MDL 0.2	100.00	No	No
Triallate (ug/L) - TW	2019/08/21	<MDL 0.01	230.00	No	No
Trichloroethylene (ug/L) - TW	2019/08/21	<MDL 0.44	5.00	No	No
2,4,6-Trichlorophenol (ug/L) - TW	2019/08/21	<MDL 0.25	5.00	No	No
Trifluralin (ug/L) - TW	2019/08/21	<MDL 0.02	45.00	No	No
Vinyl Chloride (ug/L) - TW	2019/08/21	<MDL 0.17	1.00	No	No
Distribution Water					
Trihalomethane: Total (ug/L) Annual Average - DW	2021	15.75	100	No	No
HAA Total (ug/L) Annual Average - DW	2021	15.85	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

Item #	Description
1	Replace Computer and network switches
2	Generator transfer switch replaced

Appendix A

WTRS Submission Confirmation

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

Client Name: CORPORATION OF THE TOWNSHIP OF RAMARA Reporting Year: 2021 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

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	14000.0	14000.0	7000.0	7000.0	11000.0	14000.0	13000.0	12000.0	15000.0	13000.0	9000.0	7000.0
2	14000.0	11000.0	7000.0	10000.0	10000.0	14000.0	11000.0	11000.0	10000.0	12000.0	8000.0	9000.0
3	13000.0	8000.0	7000.0	10000.0	7000.0	9000.0	14000.0	10000.0	17000.0	13000.0	13000.0	7000.0
4	12000.0	7000.0	8000.0	10000.0	10000.0	12000.0	13000.0	12000.0	13000.0	13000.0	13000.0	10000.0
5	12000.0	7000.0	8000.0	10000.0	7000.0	12000.0	15000.0	12000.0	10000.0	9000.0	10000.0	10000.0
6	11000.0	10000.0	9000.0	8000.0	9000.0	14000.0	10000.0	11000.0	18000.0	9000.0	10000.0	9000.0
7	13000.0	10000.0	7000.0	10000.0	8000.0	13000.0	8000.0	12000.0	12000.0	8000.0	10000.0	7000.0
8	12000.0	8000.0	10000.0	13000.0	10000.0	10000.0	9000.0	14000.0	10000.0	11000.0	10000.0	7000.0
9	13000.0	7000.0	7000.0	7000.0	13000.0	16000.0	10000.0	14000.0	12000.0	10000.0	9000.0	10000.0
10	16000.0	8000.0	8000.0	13000.0	9000.0	15000.0	10000.0	13000.0	13000.0	11000.0	9000.0	7000.0
11	11000.0	8000.0	9000.0	10000.0	8000.0	14000.0	11000.0	13000.0	13000.0	13000.0	11000.0	10000.0
12	11000.0	7000.0	7000.0	8000.0	10000.0	14000.0	17000.0	11000.0	13000.0	9000.0	10000.0	9000.0
13	13000.0	10000.0	8000.0	9000.0	10000.0	14000.0	10000.0	14000.0	13000.0	8000.0	8000.0	7000.0
14	10000.0	10000.0	9000.0	7000.0	13000.0	13000.0	9000.0	14000.0	12000.0	9000.0	10000.0	10000.0
15	12000.0	8000.0	9000.0	7000.0	13000.0	10000.0	11000.0	16000.0	13000.0	9000.0	9000.0	7000.0
16	13000.0	7000.0	8000.0	10000.0	14000.0	10000.0	13000.0	14000.0	10000.0	8000.0	7000.0	9000.0
17	16000.0	7000.0	7000.0	10000.0	12000.0	15000.0	10000.0	14000.0	13000.0	9000.0	9000.0	7000.0
18	10000.0	7000.0	7000.0	10000.0	12000.0	10000.0	18000.0	12000.0	13000.0	10000.0	8000.0	9000.0
19	12000.0	10000.0	7000.0	10000.0	11000.0	14000.0	14000.0	14000.0	14000.0	7000.0	9000.0	14000.0
20	13000.0	7000.0	10000.0	7000.0	8000.0	15000.0	10000.0	18000.0	16000.0	9000.0	8000.0	7000.0
21	16000.0	10000.0	7000.0	10000.0	21000.0	14000.0	10000.0	15000.0	9000.0	7000.0	10000.0	7000.0
22	13000.0	7000.0	10000.0	7000.0	13000.0	12000.0	9000.0	14000.0	12000.0	10000.0	9000.0	9000.0
23	13000.0	8000.0	7000.0	10000.0	15000.0	12000.0	12000.0	17000.0	12000.0	7000.0	7000.0	8000.0
24	16000.0	7000.0	7000.0	13000.0	15000.0	13000.0	12000.0	14000.0	13000.0	10000.0	10000.0	10000.0
25	13000.0	7000.0	7000.0	10000.0	13000.0	15000.0	11000.0	12000.0	10000.0	7000.0	7000.0	9000.0
26	13000.0	7000.0	7000.0	10000.0	10000.0	10000.0	10000.0	17000.0	16000.0	12000.0	9000.0	10000.0
27	13000.0	10000.0	10000.0	7000.0	8000.0	10000.0	7000.0	17000.0	13000.0	7000.0	8000.0	10000.0
28	13000.0	8000.0	10000.0	9000.0	12000.0	13000.0	10000.0	22000.0	10000.0	10000.0	10000.0	7000.0
29	15000.0		7000.0	8000.0	16000.0	9000.0	10000.0	16000.0	12000.0	10000.0	7000.0	10000.0
30	17000.0		8000.0	9000.0	17000.0	10000.0	9000.0	16000.0	10000.0	10000.0	9000.0	9000.0

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	32000.0	32000.0	18000.0	16000.0	25000.0	32000.0	30000.0	28000.0	35000.0	30000.0	23000.0	16000.0
2	32000.0	27000.0	17000.0	24000.0	24000.0	32000.0	25000.0	25000.0	24000.0	29000.0	18000.0	22000.0
3	31000.0	17000.0	16000.0	23000.0	19000.0	22000.0	31000.0	23000.0	38000.0	30000.0	29000.0	17000.0
4	29000.0	17000.0	18000.0	24000.0	22000.0	27000.0	32000.0	28000.0	29000.0	29000.0	31000.0	23000.0
5	27000.0	17000.0	18000.0	22000.0	16000.0	29000.0	35000.0	28000.0	25000.0	22000.0	24000.0	22000.0
6	27000.0	23000.0	22000.0	18000.0	22000.0	32000.0	23000.0	26000.0	37000.0	21000.0	22000.0	22000.0
7	29000.0	23000.0	18000.0	24000.0	17000.0	29000.0	17000.0	29000.0	28000.0	18000.0	24000.0	17000.0
8	28000.0	18000.0	22000.0	30000.0	24000.0	25000.0	22000.0	32000.0	23000.0	26000.0	23000.0	16000.0
9	31000.0	17000.0	16000.0	17000.0	30000.0	37000.0	23000.0	31000.0	27000.0	23000.0	22000.0	22000.0
10	37000.0	20000.0	18000.0	30000.0	23000.0	36000.0	23000.0	30000.0	31000.0	26000.0	22000.0	18000.0
11	27000.0	17000.0	22000.0	24000.0	17000.0	31000.0	25000.0	32000.0	31000.0	30000.0	25000.0	22000.0
12	25000.0	17000.0	16000.0	18000.0	23000.0	33000.0	39000.0	24000.0	30000.0	22000.0	22000.0	23000.0
13	30000.0	23000.0	18000.0	22000.0	24000.0	33000.0	24000.0	33000.0	30000.0	18000.0	19000.0	17000.0
14	24000.0	23000.0	22000.0	17000.0	29000.0	29000.0	21000.0	32000.0	29000.0	22000.0	23000.0	21000.0
15	27000.0	19000.0	20000.0	17000.0	31000.0	23000.0	25000.0	37000.0	31000.0	21000.0	21000.0	17000.0
16	31000.0	17000.0	19000.0	23000.0	32000.0	26000.0	28000.0	33000.0	23000.0	17000.0	17000.0	22000.0
17	36000.0	17000.0	16000.0	23000.0	30000.0	33000.0	24000.0	31000.0	30000.0	22000.0	22000.0	16000.0
18	24000.0	16000.0	16000.0	23000.0	27000.0	23000.0	42000.0	30000.0	30000.0	23000.0	17000.0	22000.0
19	29000.0	22000.0	18000.0	23000.0	25000.0	33000.0	32000.0	31000.0	32000.0	17000.0	21000.0	32000.0
20	29000.0	16000.0	22000.0	16000.0	21000.0	36000.0	23000.0	42000.0	37000.0	22000.0	19000.0	17000.0
21	36000.0	23000.0	18000.0	23000.0	47000.0	32000.0	23000.0	35000.0	22000.0	17000.0	23000.0	17000.0
22	29000.0	17000.0	22000.0	17000.0	32000.0	27000.0	22000.0	33000.0	28000.0	21000.0	22000.0	22000.0
23	32000.0	17000.0	17000.0	23000.0	34000.0	27000.0	26000.0	39000.0	28000.0	17000.0	17000.0	16000.0
24	37000.0	16000.0	16000.0	31000.0	36000.0	32000.0	29000.0	32000.0	30000.0	23000.0	21000.0	23000.0
25	29000.0	17000.0	18000.0	23000.0	31000.0	34000.0	25000.0	30000.0	24000.0	17000.0	17000.0	23000.0
26	30000.0	17000.0	18000.0	23000.0	23000.0	23000.0	22000.0	39000.0	38000.0	27000.0	22000.0	23000.0
27	31000.0	24000.0	22000.0	18000.0	18000.0	24000.0	18000.0	39000.0	29000.0	17000.0	18000.0	23000.0
28	31000.0	17000.0	24000.0	22000.0	29000.0	29000.0	25000.0	51000.0	24000.0	23000.0	23000.0	17000.0
29	36000.0		17000.0	18000.0	36000.0	23000.0	22000.0	39000.0	28000.0	24000.0	17000.0	23000.0
30	36000.0		18000.0	21000.0	40000.0	23000.0	22000.0	35000.0	24000.0	22000.0	21000.0	23000.0
31	32000.0		21000.0		34000.0		24000.0	25000.0		25000.0		22000.0

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

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1		1000.0	2000.0									
2												
3					1000.0							
4										2000.0		
5							1000.0					
6												
7						1000.0			1000.0			
8											1000.0	
9												
10												
11												
12												
13												
14												
15												
16												
17	1000.0											
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31												

Name of Attester
First Name: Wesley
Last Name: Henneberry
Company: Ontario Clean Water Agency
Date Certified/Submitted(yyyy/mm/dd): 2022/02/18