

# Alpine Village/Pirates Glen Drinking Water System

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Waterworks # 220011154  
System Category – Large Municipal Residential

## Annual Water Report

Prepared For: The Municipality of Trent Lakes

Reporting Period of January 1<sup>st</sup> – December 31<sup>st</sup>, 2024

Issued: February 20, 2025

Revision: 0

Operating Authority:



This report has been prepared to satisfy the annual reporting requirements in O. Reg. 170/03 Section 11 and Schedule 22

## Table of Contents

Annual Water Report .....	1
Report Availability .....	1
Compliance Report Card .....	1
System Process Description .....	1
Raw Source .....	1
Treatment .....	1
Treatment Chemicals used during the reporting year: .....	2
Summary of Non-Compliance .....	2
Adverse Water Quality Incidents .....	2
Non-Compliance .....	2
Non-Compliance Identified in a Ministry Inspection: .....	2
Flows .....	3
Raw Water Flows .....	3
Total Monthly Flows (m <sup>3</sup> /d)-Well #1 .....	3
Monthly Rated Flows (L/s)-Well #1 .....	3
Total Monthly Flows (m <sup>3</sup> /d)-Well #2 .....	4
Monthly Rated Flows (L/s)-Well #2 .....	4
Total Monthly Flows- All Sources .....	5
Treated Water Flows .....	5
Monthly Rated Flows .....	5
Annual Total Flow Comparison .....	6
Regulatory Sample Results Summary .....	6
Microbiological Testing .....	6
Operational Testing .....	6
Inorganic Parameters .....	7
Schedule 15 Sampling: .....	8
Organic Parameters .....	8
Additional Legislated Samples .....	10
Major Maintenance Summary .....	10
WTRS Data and Submission Confirmation .....	A

## Report Availability

This system does not serve more than 10,000 residence and the annual reports will be available to residents at The Municipality of Trent Lakes Office and copies will provided free of charge if requested. The Municipality of Trent Lakes Office is located at 760 Peterborough County Road 36 Trent Lakes Ontario, KOM 1AO. A copy of the annual report is also available on the Municipality of Trent Lakes [www.trentlakes.ca](http://www.trentlakes.ca).

## Compliance Report Card

**Drinking Water System Number:** 220011154

**Drinking Water System Name:** Alpine Village/Pirates Glen WTP

**Drinking Water System Owner:** Municipality of Trent Lakes

**Drinking Water System Category:** Large Municipal Residential

**Period Being Reported:** January 1, 2024 - December 31, 2024

Health & Safety	# of Events	Date	Details
Number of Incidents	0	N/A	N/A

Drinking Water	# of Events	Date	Details
MECP Inspections	1	September 10, 2024	2023/2024 MECP Unannounced Focused Inspection, 100% rating
AWQI's	1	November 7, 2024	Low Pressure
Number of Non-Compliances	0	N/A	N/A
Number of Boil Water Advisories	0	N/A	N/A

## System Process Description

### Raw Source

The Alpine Village/Pirates Glen Water Treatment Plant is supplied with two wells. Well 1 is non-GUDI and Well 2 is GUDI. Well 2 was offline from May 11 to July 29 2024.

### Treatment

The treatment system consists of the following:

- Sodium hypochlorite feed system with two metering pumps
- One continuous treated water free chlorine residual analyzer
- Three continuous online turbidity analyzers
- 5 micron cartridge pre-filter
- 1 micron cartridge filters (two filter trains)

- Clearwell with two interconnected underground tanks
- Three Magnetic flow meters: one per well and one for treated water
- Three Centrifugal High Lift Pumps
- Six Hydropneumatic Pressure Vessels
- Standby power generator

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	Corrective Action Taken
November 7, 2024	166848	Distribution System	Loss of Pressure	Part of the distribution loss pressure due to maintenance on a main line isolation valve	Increase chlorine, resample, and bacteriological sample

### 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 identified during this 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 non-compliances identified in a Ministry Inspection during this period.				

### Flows

The Alpine Village/Pirates Glen Drinking Water System is operating below the rated capacity.

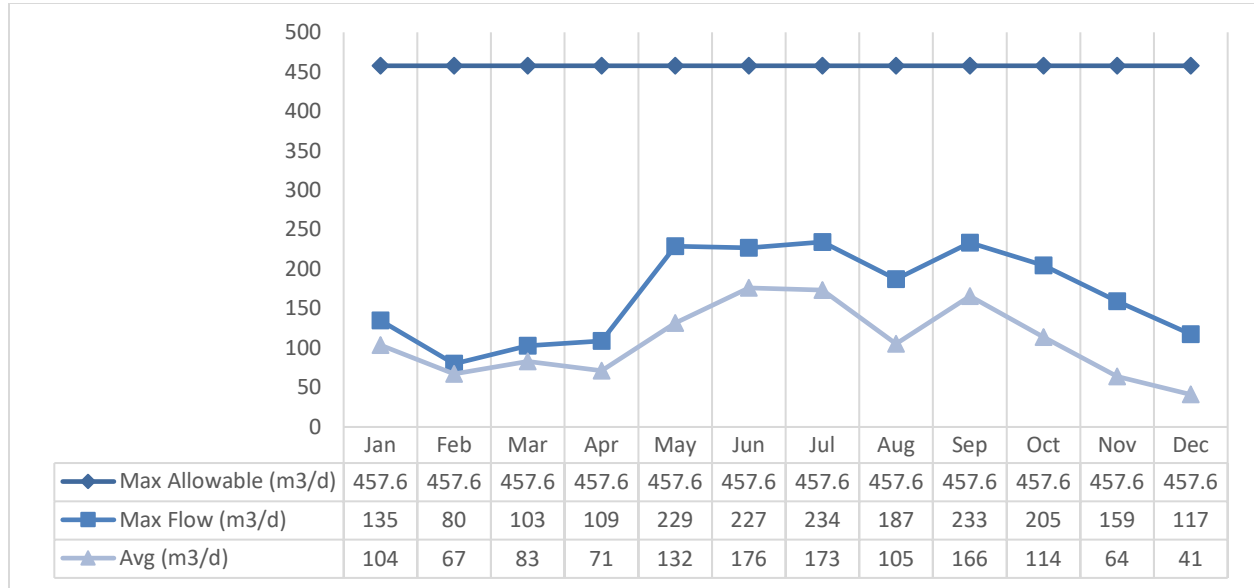
### Raw Water Flows

The Raw Water flows are regulated under the Permit to Take Water (PTTW). 2024

Raw Flow Data was submitted to the Ministry of the Environment, Conservation and Parks electronically under permit No. P-300-1163168997. The confirmation and a copy of the data that was submitted are attached in Appendix A.

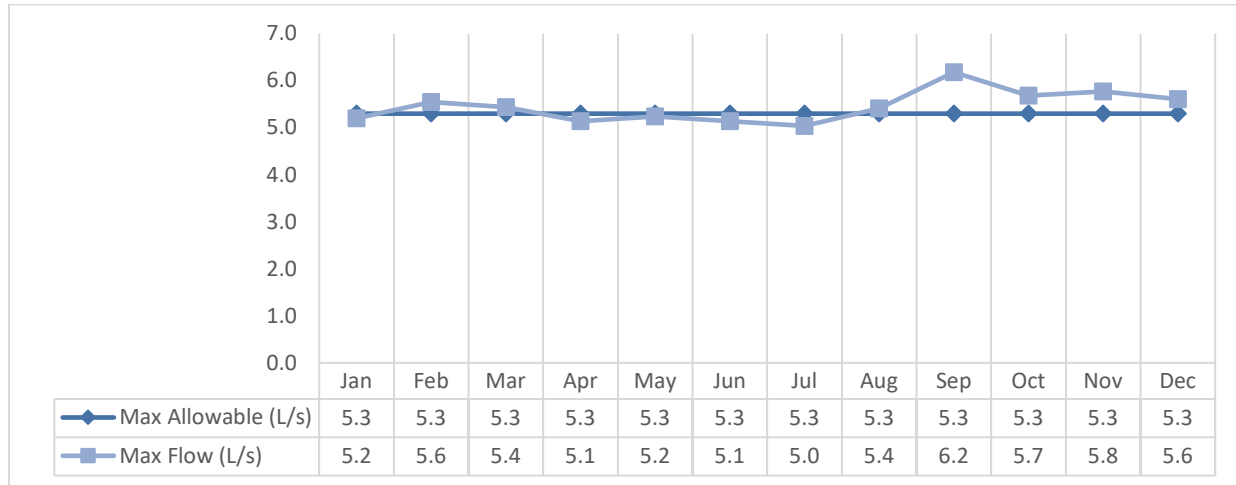
**Total Monthly Flows (m3/d)**

**Max Allowable PTTW- Well #1**



**Monthly Rated Flows (L/s)**

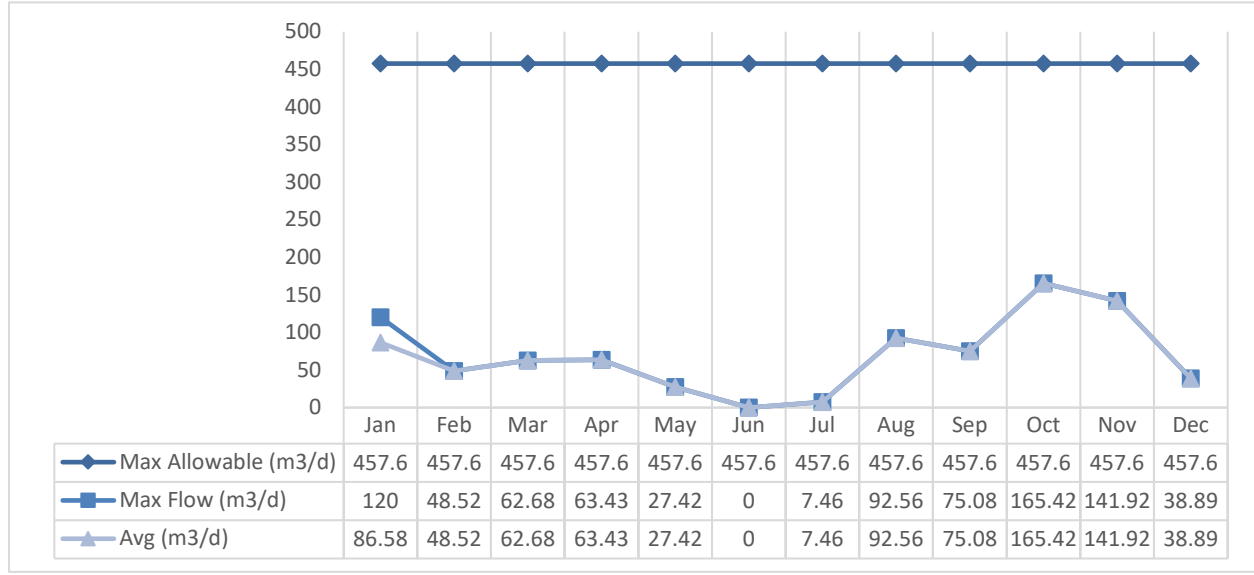
**Max allowable rate – PTTW- Well #1**



**Note:** The above table shows there were exceedances in instantaneous peak flow rate (L/s), exceedances were short in duration and reviewed for compliance. The scheduled Flow Meter calibration was in April.

**Total Monthly Flows (m3/d)**

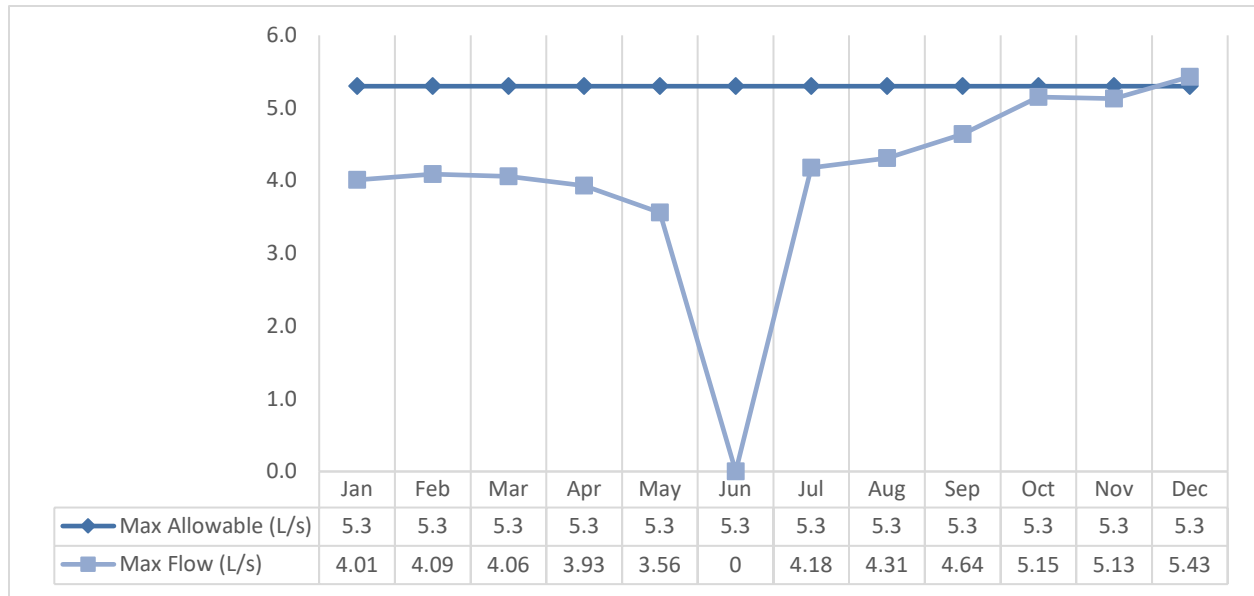
**Max Allowable PTTW- Well #2**



**Note:** Well 2 was offline from May 11 to July 29 2024.

**Monthly Rated Flows (L/s)**

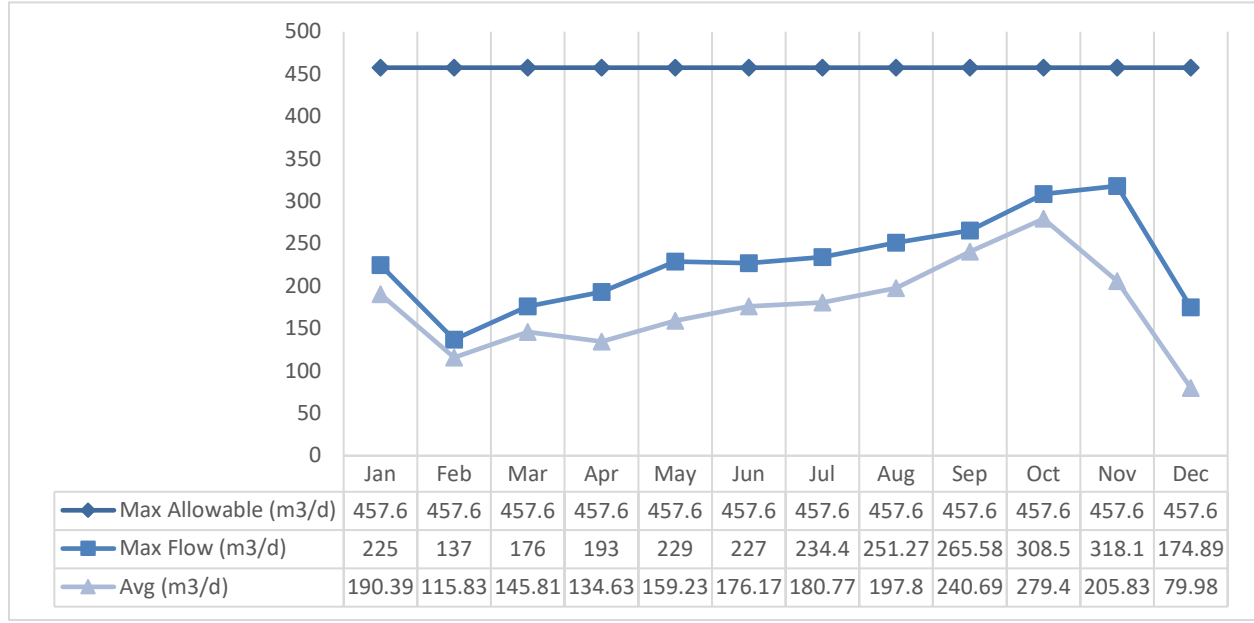
**Max allowable rate – PTTW- Well #2**



**Note:** The above table shows there were exceedances in instantaneous peak flow rate (L/s), exceedances were short in duration and reviewed for compliance, and occurred in the process of bringing Well 2 online. The scheduled Flow Meter calibration was in April.

**Total Monthly Flows (m3/d)**

**Max Allowable PTTW- Total Raw**

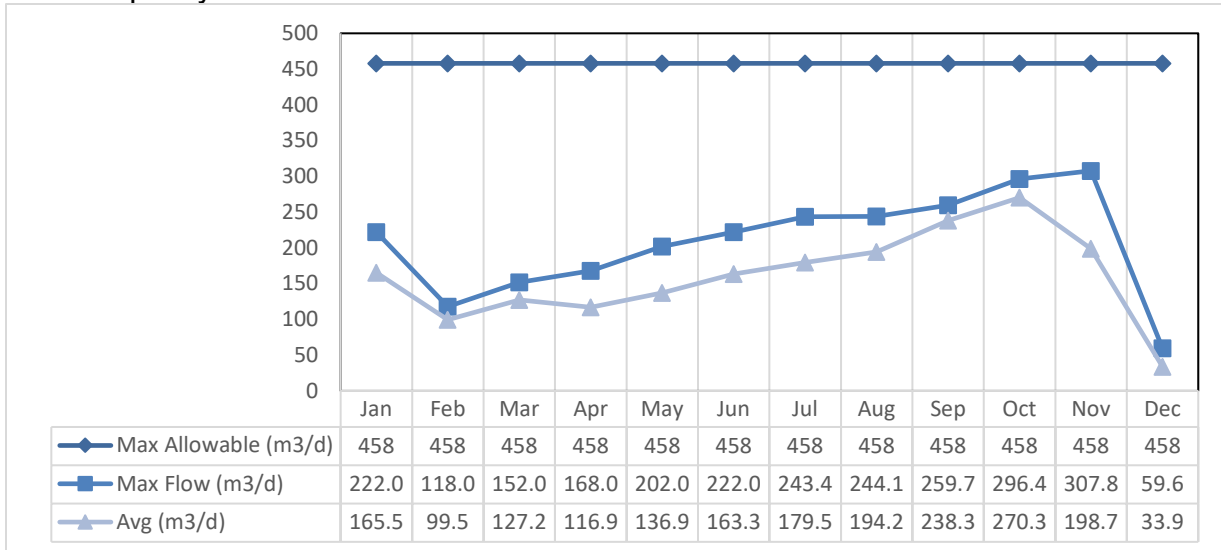


**Treated Water Flows**

The Treated Water flows are regulated under the Municipal Drinking Water Licence.

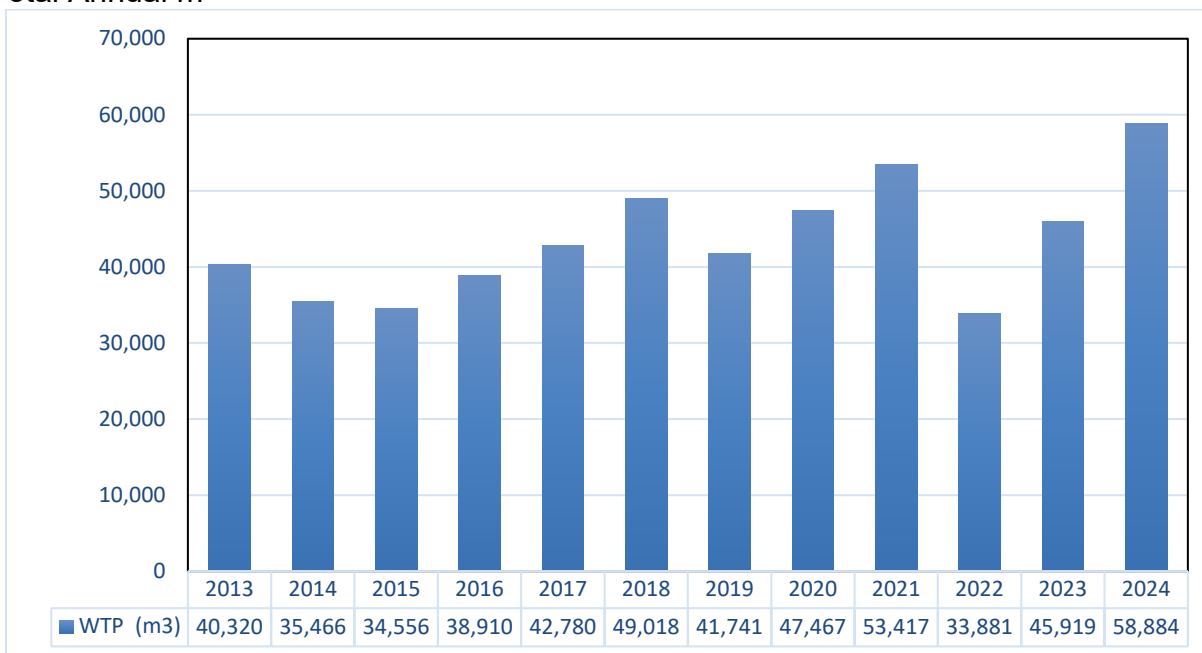
**Monthly Rated Flows**

**Rated Capacity – MDWL**



### Annual Total Flow Comparison

Total Annual m<sup>3</sup>



## 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	53	0	0	0	8		
Raw Well 2 (GUDI)	51	0	2	0	12		
Treated	53	0	0	0	0	0	6
Distribution	161	0	0	0	0	0	19

**Note:** Well 2 was offline from May 11 to July 29 2024.

### Operational Testing

	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Turbidity Well 1 (NTU)	20	0.10	0.58
Turbidity Well 2 (NTU)	19	0.15	0.90
Turbidity Filter 1	8760	0.00	2.00
Turbidity Filter 2	8760	0.00	2.00
Chlorine (mg/L)	8760	0	1.97



**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. The scheduled calibrations were completed in April. All spikes are reviewed for compliance with O.Reg 170/03

### **Inorganic Parameters**

These parameters are tested as a requirement under 170/03. Sodium and Fluoride are required to be tested every 5 years. Nitrate and Nitrite are tested quarterly and the metals are tested annually as required under 170/03. In the event any of the parameters exceed half of the maximum allowable concentration the parameter is required to be sampled quarterly.

- MAC = Maximum Allowable Concentration as per O.Reg 169/03
- MDL = Method Detection Limit

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Antimony: Sb (ug/L)	2024/01/08	<MDL 0.6	6.0	No	No
Arsenic: As (ug/L)	2024/01/08	<MDL 0.2	10.0	No	No
Barium: Ba (ug/L)	2024/01/08	57.4	1000.0	No	No
Boron: B (ug/L)	2024/01/08	119.0	5000.0	No	No
Cadmium: Cd (ug/L)	2024/01/08	<MDL 0.003	5.0	No	No
Chromium: Cr (ug/L)	2024/01/08	0.32	50.0	No	No
Mercury: Hg (ug/L)	2024/01/08	<MDL 0.01	1.0	No	No
Selenium: Se (ug/L)	2024/01/08	0.10	50.0	No	No
<b>Additional Inorganics</b>					
Fluoride (mg/L)	2023/01/16	0.91	1.5	No	Yes
Nitrite (mg/L)	2024/01/08	<MDL 0.003	1.0	No	No
Nitrite (mg/L)	2024/04/08	<MDL 0.003	1.0	No	No
Nitrite (mg/L)	2024/07/08	<MDL 0.003	1.0	No	No
Nitrite (mg/L)	2024/10/15	<MDL 0.003	1.0	No	No
Nitrate (mg/L)	2024/01/08	1.63	10.0	No	No
Nitrate (mg/L)	2024/04/08	1.59	10.0	No	No
Nitrate (mg/L)	2024/07/08	0.315	10.0	No	No
Nitrate (mg/L)	2024/10/15	0.938	10.0	No	No
Sodium: Na (mg/L)	2023/01/24	26.3	20*	Yes	Yes
Uranium: U (ug/L)	2024/01/08	9.08	20.0	No	No
Uranium: U (ug/L)	2024/01/08	8.69	20.0	No	No
Uranium: U (ug/L)	2024/04/09	8.71	20.0	No	No
Uranium: U (ug/L)	2024/07/08	19.2	20.0	No	Yes
Uranium: U (ug/L)	2024/10/15	14.1	20.0	No	Yes

\*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

**Schedule 15 Sampling:**

The Schedule 15 Sampling is required under O. Reg. 170/03. This system is under reduced sampling and 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)	2	2	278	279		
pH	2	2	7.16	7.20		
Lead (ug/l)	2	2	0.10	0.11	10	0

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

**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	Number of Exceedances	
				MAC	1/2 MAC
Alachlor (ug/L)	2024/01/08	<MDL 0.02	5.0	No	No
Atrazine + N-dealkylated metabolites (ug/L)	2024/01/08	<MDL 0.01	5.0	No	No
Azinphos-methyl (ug/L)	2024/01/08	<MDL 0.05	20.0	No	No
Benzene (ug/L)	2024/01/08	<MDL 0.32	1.0	No	No
Benzo(a)pyrene (ug/L)	2024/01/08	<MDL 0.004	0.01	No	No
Bromoxynil (ug/L)	2024/01/08	<MDL 0.33	5.0	No	No
Carbaryl (ug/L)	2024/01/08	<MDL 0.05	90.0	No	No
Carbofuran (ug/L)	2024/01/08	<MDL 0.01	90.0	No	No
Carbon Tetrachloride (ug/L)	2024/01/08	<MDL 0.17	2.0	No	No
Chlorpyrifos (ug/L)	2024/01/08	<MDL 0.02	90.0	No	No
Diazinon (ug/L)	2024/01/08	<MDL 0.02	20.0	No	No
Dicamba (ug/L)	2024/01/08	<MDL 0.2	120.0	No	No
1,2-Dichlorobenzene (ug/L)	2024/01/08	<MDL 0.41	200.0	No	No
1,4-Dichlorobenzene (ug/L)	2024/01/08	<MDL 0.36	5.0	No	No
1,2-Dichloroethane (ug/L)	2024/01/08	<MDL 0.35	5.0	No	No
1,1-Dichloroethylene (ug/L)	2024/01/08	<MDL 0.33	14.0	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Dichloromethane (Methylene Chloride) (ug/L)	2024/01/08	<MDL 0.35	50.0	No	No
2,4-Dichlorophenol (ug/L)	2024/01/08	<MDL 0.15	900.0	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)	2024/01/08	<MDL 0.19	100.0	No	No
Diclofop-methyl (ug/L)	2024/01/08	<MDL 0.40	9.0	No	No
Dimethoate (ug/L)	2024/01/08	<MDL 0.06	20.0	No	No
Diquat (ug/L)	2024/01/08	<MDL 1.0	70.0	No	No
Diuron (ug/L)	2024/01/08	<MDL 0.03	150.0	No	No
Glyphosate (ug/L)	2024/01/08	<MDL 1.0	280.0	No	No
Malathion (ug/L)	2024/01/08	<MDL 0.02	190.0	No	No
Metolachlor (ug/L)	2024/01/08	<MDL 0.01	50.0	No	No
Metribuzin (ug/L)	2024/01/08	<MDL 0.02	80.0	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)	2024/01/08	<MDL 0.30	80.0	No	No
Paraquat (ug/L)	2024/01/08	<MDL 1.0	10.0	No	No
PCB (ug/L)	2024/01/08	<MDL 0.04	3.0	No	No
Pentachlorophenol (ug/L)	2024/01/08	<MDL 0.15	60.0	No	No
Phorate (ug/L)	2024/01/08	<MDL 0.01	2.0	No	No
Picloram (ug/L)	2024/01/08	<MDL 1.0	190.0	No	No
Prometryne (ug/L)	2024/01/08	<MDL 0.03	1.0	No	No
Simazine (ug/L)	2024/01/08	<MDL 0.01	10.0	No	No
Terbufos (ug/L)	2024/01/08	<MDL 0.01	1.0	No	No
Tetrachloroethylene (ug/L)	2024/01/08	<MDL 0.35	10.0	No	No
2,3,4,6-Tetrachlorophenol (ug/L)	2024/01/08	<MDL 0.20	100.0	No	No
Triallate (ug/L)	2024/01/08	<MDL 0.01	230.0	No	No
Trichloroethylene (ug/L)	2024/01/08	<MDL 0.44	5.0	No	No
2,4,6-Trichlorophenol (ug/L)	2024/01/08	<MDL 0.25	5.0	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)	2024/01/08	<MDL 0.12	100.0	No	No
Trifluralin (ug/L)	2024/01/08	<MDL 0.02	45.0	No	No
Vinyl Chloride (ug/L)	2024/01/08	<MDL 0.17	1.0	No	No

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

Distribution Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Trihalomethane: Total (ug/L) Annual Average	2024	9.54	100.0	No	No
HAA Total (ug/L) Annual Average	2024	5.30	80.0	No	No

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

MDL = Method Detection Limit

**Additional Legislated Samples**

Additional Samples required under O. Reg. 170/03 Schedule 13: Chemical Sampling and Testing.

Parameter	Location	No. of Samples Collected	Range of Results	
			Minimum	Maximum
Uranium: U (ug/L)	Treated	5	8.69	19.2

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

WO #	Description
3764101	Service Line Repair
3950979	UPS Battery Alarm, Replace/Investigate
4000070	Alarm Panel, Troubleshooting

# Appendix A

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## WTRS Submission Confirmation

Hello,

Attached is a copy of your completed Online Reporting. Please keep this for your records should you need it for future reference.

Service Name: Confirmation of Water Taking PTTW Reporting Submission - 2024

Date/Time Submitted: Feb 11, 2025 2:01:55 PM

Submission Confirmation#: 1000269779

Submitted To:

Ministry of the Environment, Conservation and Parks Water User Reporting Section

125 Resources Road, West Wing

Toronto, ON M9P 3V6

[Tel:1-877-344-2011](tel:1-877-344-2011)

Local:416-235-6322

email:wtrshelpdesk@ontario.ca

# Buckhorn Lake Estates Drinking Water System

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Waterworks # 220006437  
System Category – Large Municipal Residential

## Annual Water Report

Prepared For: The Municipality of Trent Lakes

Reporting Period of January 1<sup>st</sup> – December 31<sup>st</sup>, 2024

Issued: February 20 2025

Revision: 0

Operating Authority:



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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Annual Water Report .....	1
Report Availability .....	1
Compliance Report Card .....	1
System Process Description .....	1
Raw Source .....	1
Treatment .....	1
Treatment Chemicals used during the reporting year: .....	2
Summary of Non-Compliance .....	2
Adverse Water Quality Incidents .....	2
Non-Compliance .....	2
Non-Compliance Identified in a Ministry Inspection: .....	2
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Raw Water Flows .....	3
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Monthly Rated Flows (L/s) .....	4
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Monthly Rated Flows .....	4
Annual Total Flow Comparison .....	5
Regulatory Sample Results Summary .....	5
Microbiological Testing .....	5
Operational Testing .....	5
Inorganic Parameters .....	6
Schedule 15 Sampling: .....	7
Organic Parameters .....	7
Additional Legislated Samples .....	9
Major Maintenance Summary .....	9
WTRS Data and Submission Confirmation .....	A

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## Compliance Report Card

**Drinking Water System Number:** 220006437

**Drinking Water System Name:** Buckhorn Lake Estates WTP

**Drinking Water System Owner:** Municipality of Trent Lakes

**Drinking Water System Category:** Large Municipal Residential

**Period Being Reported:** January 1, 2024 - December 31, 2024

Health & Safety	# of Events	Date	Details
Number of Incidents	1	March 4, 2024	Employee Over exerted arm when locating and exposing curb stops and valve boxes. Ground was frozen in some areas.

Drinking Water	# of Events	Date	Details
MECP Inspections	0	N/A	N/A
Number of Non-Compliances	0	N/A	N/A
Number of Boil Water Advisories	0	N/A	N/A

## System Process Description

### Raw Source

The Buckhorn Lake Estates Water Treatment Plant is supplied by one GUDI well.

### Treatment

The treatment system consists of the following:

- One groundwater production well with pump
- Sodium hypochlorite feed system with metering pumps
- Sodium permanganate feed system with metering pumps (if required)
- Polymer (SternPAC) feed system with metering pumps
- Four oxidation retention tanks for manganese removal
- Two continuous treated water free chlorine residual analyzers



- Two continuous filter turbidity analyzers
- Dual media granular filters in parallel
- Two 15.9 m<sup>3</sup> inter connected backwash wastewater settling tanks
- Clearwell consisting of two 35 m<sup>3</sup> interconnected underground tanks
- Two flow meters: raw and treated water
- Two High Lift Centrifugal Pumps
- Four Hydropneumatic Pressure Vessels
- Standby power generator

**Treatment Chemicals used during the reporting year:**

Chemical Name	Use	Supplier
Sodium Hypochlorite	Disinfection	Jutzi
SternPAC	Coagulant	Kemira
Sodium Permanganate	Iron Sequestering	System not in use during reporting period

**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 this period						

**Non-Compliances**

Legislation	Requirement(s) system failed to meet	Duration of the failure (i.e. date(s))	Corrective Action	Status
There were no non-compliance issues identified during this period				

**Non-Compliances 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 non-compliance issues identified during this period				

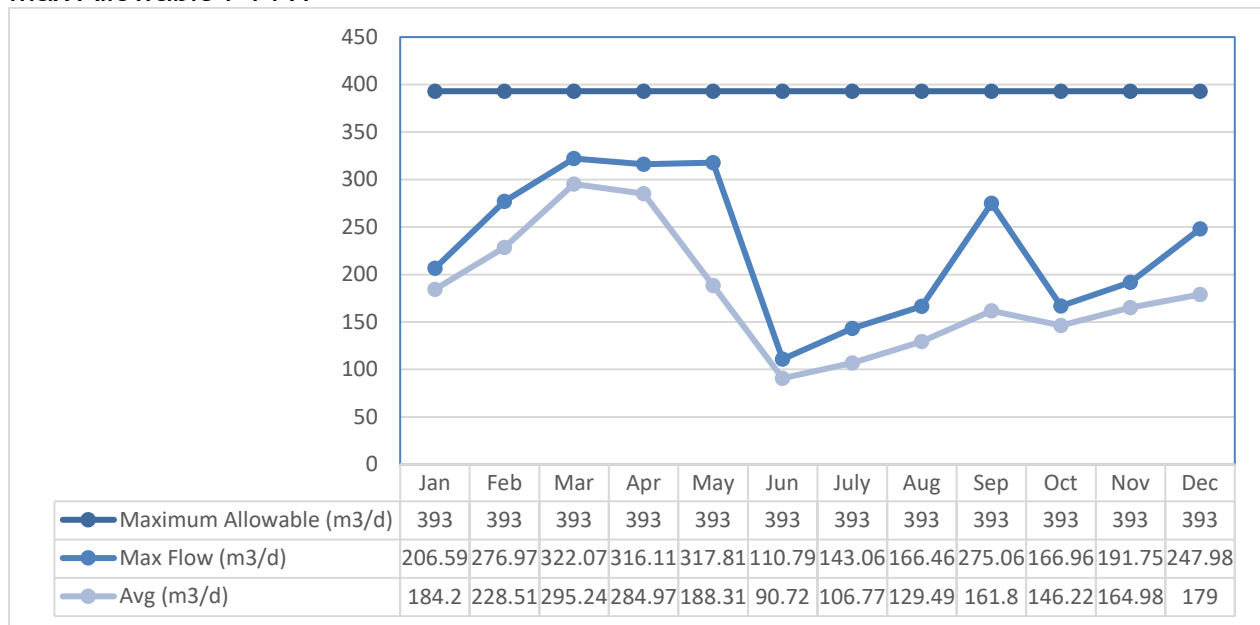
**Flows**

The Buckhorn Lake Estates Drinking Water System is operating below the rated capacity.

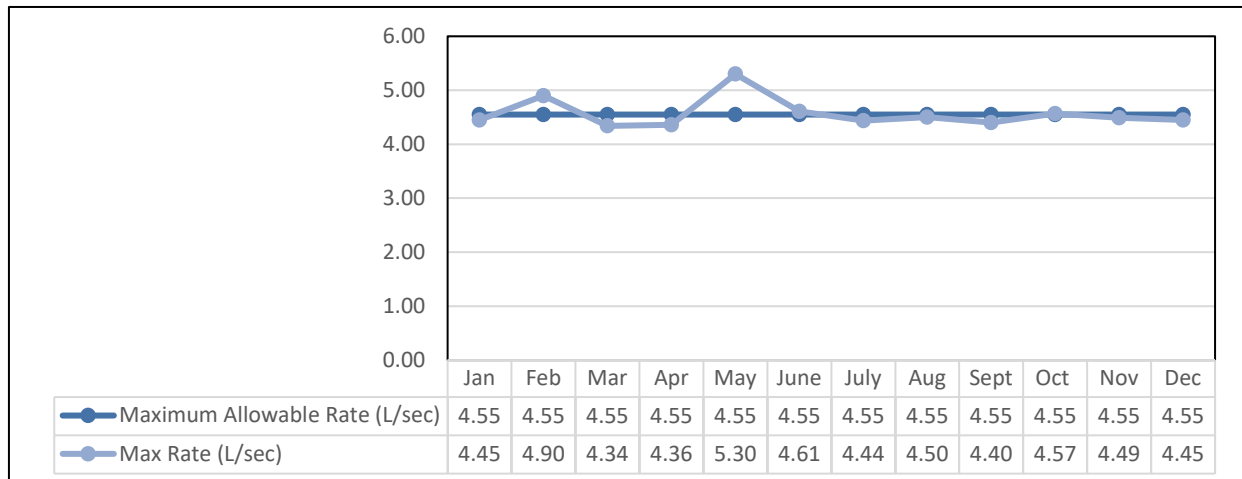
**Raw Water Flows**

The Raw Water flows are regulated under the Permit to Take Water (PTTW). 2024 Raw Flow Data was submitted to the Ministry of the Environment, Conservation and Parks electronically under permit No. P-300-7202725183. The confirmation and a copy of the data that was submitted are attached in Appendix A.

Total Monthly Flows (m3/d)  
Max Allowable PTTW



Monthly Rated Flows (L/s)  
Max allowable rate – PTTW



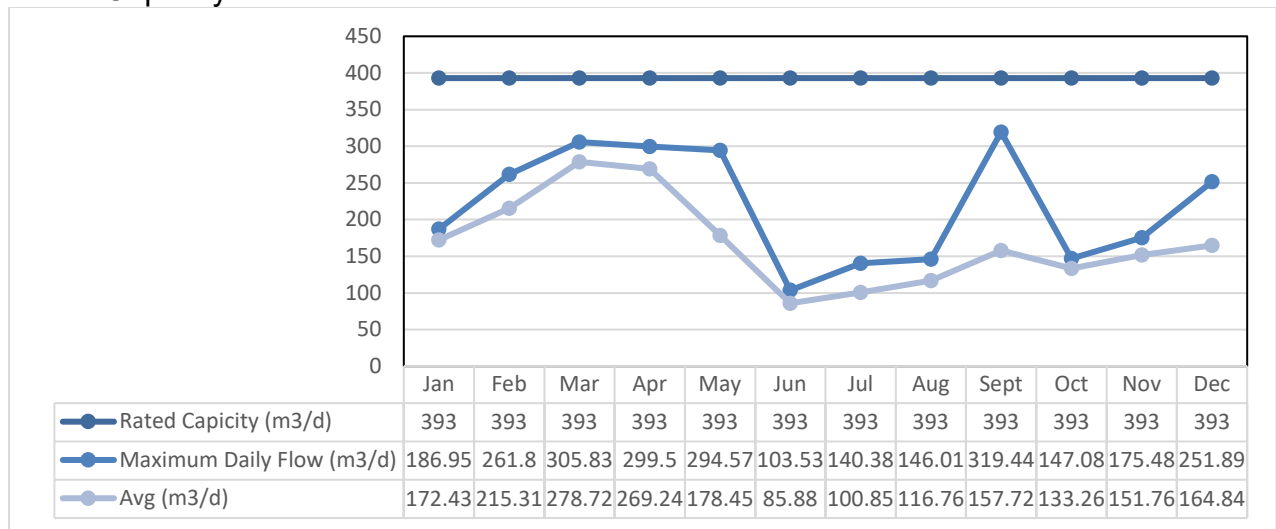
**Note:** The above table shows there were exceedances in instantaneous peak flow rate (L/s) caused by maintenance activities and pump start up. Spikes were brief and reviewed for compliance. The scheduled Flow Meter calibration was in May.

**Treated Water Flows**

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

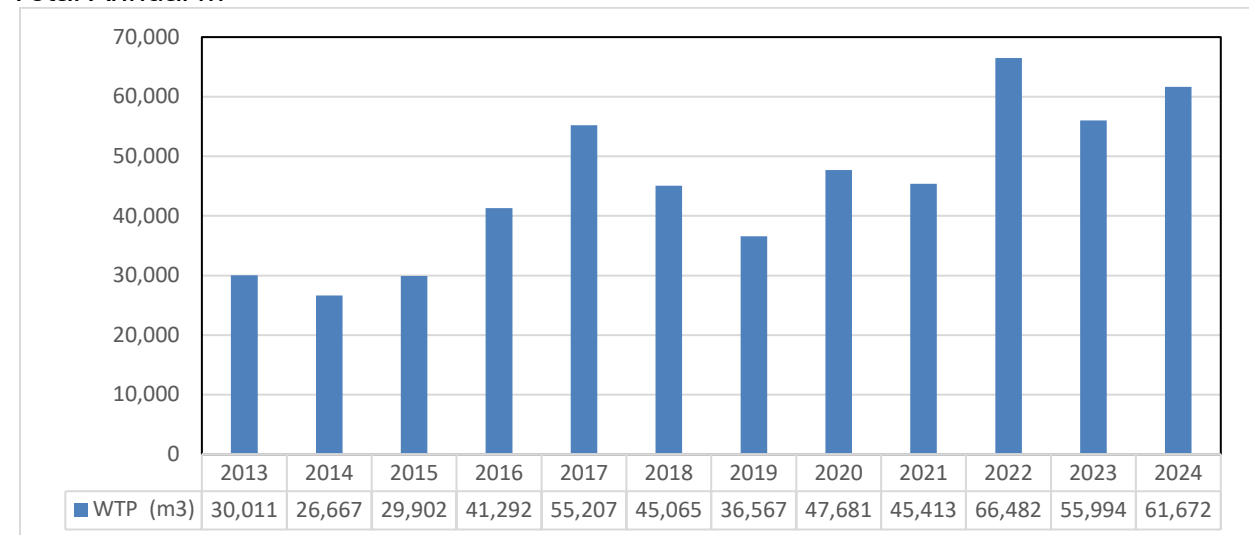
**Monthly Rated Flows**

Rated Capacity – MDWL



**Annual Total Flow Comparison**

Total Annual m<sup>3</sup>



## 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	53	0	NDOGT	0	NDOGT		
Treated	53	0	0	0	0	0	29
Distribution	160	0	0	0	0	0	8

**Note:** NDOGT - No Data: Overgrown with Target Bacteria

### Operational Testing

	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Turbidity Raw	12	0.10	0.30
Turbidity Filter 1 (NTU)	8760	0	2.0
Turbidity Filter 2 (NTU)	8760	0	2.0
Chlorine (mg/L)	8760	0.76	3.44

**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 170/03. Sodium and Fluoride are required to be tested every 5 years. Nitrate and Nitrite are tested quarterly and the metals are tested annually as required under 170/03. In the event any of the parameters exceed half of the maximum allowable concentration the parameter is required to be sampled quarterly.

- MAC = Maximum Allowable Concentration as per O.Reg 169/03
- MDL = Method Detection Limit

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Antimony: Sb (ug/L)	2024/01/02	<MDL 0.6	6.0	No	No
Arsenic: As (ug/L)	2024/01/02	<MDL 0.2	10.0	No	No
Barium: Ba (ug/L)	2024/01/02	134.0	1000.0	No	No
Boron: B (ug/L)	2024/01/02	33.0	5000.0	No	No
Cadmium: Cd (ug/L)	2024/01/02	<MDL 0.003	5.0	No	No
Chromium: Cr (ug/L)	2024/01/02	0.19	50.0	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Mercury: Hg (ug/L)	2024/01/02	<MDL 0.01	1.0	No	No
Selenium: Se (ug/L)	2024/01/02	0.14	50.0	No	No
Uranium: U (ug/L)	2024/01/02	0.174	20.0	No	No
<b>Additional Inorganics</b>					
Fluoride (mg/L)	2023/01/05	<MDL 0.06	1.5	No	No
Nitrite (mg/L)	2024/01/02	<MDL 0.003	1.0	No	No
Nitrite (mg/L)	2024/04/03	<MDL 0.003	1.0	No	No
Nitrite (mg/L)	2024/07/02	<MDL 0.003	1.0	No	No
Nitrite (mg/L)	2024/10/01	<MDL 0.003	1.0	No	No
Nitrate (mg/L)	2024/01/02	3.71	10.0	No	No
Nitrate (mg/L)	2024/04/03	2.94	10.0	No	No
Nitrate (mg/L)	2024/07/02	3.05	10.0	No	No
Nitrate (mg/L)	2024/10/01	2.44	10.0	No	No
Sodium: Na (mg/L)	2023/01/11	46.8	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 and 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)	6	2	302	305		
pH	6	2	7.07	7.29		
Lead (ug/l)	6	2	3.36	4.15	10	0

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

**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	Number of Exceedances	
				MAC	1/2 MAC
Alachlor (ug/L)	2024/01/02	<MDL 0.02	5.0	No	No
Atrazine + N-dealkylated metabolites (ug/L)	2024/01/02	<MDL 0.01	5.0	No	No
Azinphos-methyl (ug/L)	2024/01/02	<MDL 0.05	20.0	No	No
Benzene (ug/L)	2024/01/02	<MDL 0.32	1.0	No	No
Benzo(a)pyrene (ug/L)	2024/01/02	<MDL 0.004	0.01	No	No
Bromoxynil (ug/L)	2024/01/02	<MDL 0.33	5.0	No	No
Carbaryl (ug/L)	2024/01/02	<MDL 0.05	90.0	No	No
Carbofuran (ug/L)	2024/01/02	<MDL 0.01	90.0	No	No
Carbon Tetrachloride (ug/L)	2024/01/02	<MDL 0.17	2.0	No	No
Chlorpyrifos (ug/L)	2024/01/02	<MDL 0.02	90.0	No	No
Diazinon (ug/L)	2024/01/02	<MDL 0.02	20.0	No	No
Dicamba (ug/L)	2024/01/02	<MDL 0.20	120.0	No	No
1,2-Dichlorobenzene (ug/L)	2024/01/02	<MDL 0.41	200.0	No	No
1,4-Dichlorobenzene (ug/L)	2024/01/02	<MDL 0.36	5.0	No	No
1,2-Dichloroethane (ug/L)	2024/01/02	<MDL 0.35	5.0	No	No
1,1-Dichloroethylene (ug/L)	2024/01/02	<MDL 0.33	14.0	No	No
Dichloromethane (Methylene Chloride) (ug/L)	2024/01/02	<MDL 0.35	50.0	No	No
2,4-Dichlorophenol (ug/L)	2024/01/02	<MDL 0.15	900.0	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)	2024/01/02	<MDL 0.19	100.0	No	No
Diclofop-methyl (ug/L)	2024/01/02	<MDL 0.40	9.0	No	No
Dimethoate (ug/L)	2024/01/02	<MDL 0.06	20.0	No	No
Diquat (ug/L)	2024/01/02	<MDL 1.0	70.0	No	No
Diuron (ug/L)	2024/01/02	<MDL 0.03	150.0	No	No
Glyphosate (ug/L)	2024/01/02	<MDL 1.0	280.0	No	No
Malathion (ug/L)	2024/01/02	<MDL 0.02	190.0	No	No
Metolachlor (ug/L)	2024/01/02	<MDL 0.01	50.0	No	No
Metribuzin (ug/L)	2024/01/02	<MDL 0.02	80.0	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)	2024/01/02	<MDL 0.3	80.0	No	No
Paraquat (ug/L)	2024/01/02	<MDL 1.0	10.0	No	No
PCB (ug/L)	2024/01/02	<MDL 0.04	3.0	No	No
Pentachlorophenol (ug/L)	2024/01/02	<MDL 0.15	60.0	No	No
Phorate (ug/L)	2024/01/02	<MDL 0.01	2.0	No	No
Picloram (ug/L)	2024/01/02	<MDL 1.0	190.0	No	No
Prometryne (ug/L)	2024/01/02	<MDL 0.03	1.0	No	No
Simazine (ug/L)	2024/01/02	<MDL 0.01	10.0	No	No

Treated Water	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Terbufos (ug/L)	2024/01/02	<MDL 0.01	1.0	No	No
Tetrachloroethylene (ug/L)	2024/01/02	<MDL 0.35	10.0	No	No
2,3,4,6-Tetrachlorophenol (ug/L)	2024/01/02	<MDL 0.20	100.0	No	No
Triallate (ug/L)	2024/01/02	<MDL 0.01	230.0	No	No
Trichloroethylene (ug/L)	2024/01/02	<MDL 0.44	5.0	No	No
2,4,6-Trichlorophenol (ug/L)	2024/01/02	<MDL 0.25	5.0	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)	2024/01/02	<MDL 0.12	100.0	No	No
Trifluralin (ug/L)	2024/01/02	<MDL 0.02	45.0	No	No
Vinyl Chloride (ug/L)	2024/01/02	<MDL 0.17	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 Average	2024	33.25	100.00	No	No
HAA Total (ug/L) Annual Average	2024	<5.30	80.00	No	No

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

**Additional Legislated Samples**

Municipal Drinking Water Licence	Collected Weekly June – Oct	Total Microcystin Raw Results Range (ug/L)	Total Microcystin Treated Water Results Range (ug/L)	Treated Water Total Microcystin Limit 1.5 ug/L Exceeded Y/N
Harmful Algal Blooms Monitoring required June to October at a minimum. Samples collected weekly. Treated water tested only if Total Microcystins detected in Raw Water.	June	<0.1 – <0.1	-	N
	July	<0.1 - <0.1	-	N
	August	<0.1 - <0.1	-	N
	September	<0.1 - <0.1	-	N
	October	<0.1 – <0.1	-	N

The following additional samples are not required but Iron and Manganese are sampled

monthly to provide operational guidance.

Parameter	Location	No. of Samples Collected	Range of Results	
			Minimum	Maximum
Iron (ug/L)	Raw	12	<7MDL	124
Iron (ug/L)	Treated	12	<7MDL	33
Manganese (ug/L)	Raw	12	0.71	60.8
Manganese (ug/L)	Treated	12	0.17	9.40

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

WO #	Description
3705195	Pump Submersible HLP 1 and 2, Replacement
3765020	Filter Valve, Maintenance
3805244	Low Pressure Switch Failure, Replace
3835099	Hypo Injector, Replacement
3949267	Distribution Leak, Cedar Circle, Repair
3949668	Dehumidifier, Replacement
3949807	170 Sumcot main valve extensions
3950648	162/166 Sumcot Dr., Leak
4050869	Well Pump Hour Meter Failure, Investigate/Replace
4143733	Outdoor Light Photocell Fail, Replace
4192781	45-47 Sumcot Dr Service Repair
4193869	45 Sumcot Curb Stop Extension Install

Equipment was maintained in a fit state of repair as per legislation.



# Appendix A

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## WTRS Submission Confirmation

Hello,

Attached is a copy of your completed Online Reporting. Please keep this for your records should you need it for future reference.

Service Name: Confirmation of Water Taking PTTW Reporting Submission - 2024

Date/Time Submitted: Feb 11, 2025 1:38:22 PM

Submission Confirmation#: 1000269764

Submitted To:

Ministry of the Environment, Conservation and Parks Water User Reporting Section

125 Resources Road, West Wing

Toronto, ON M9P 3V6

[Tel:1-877-344-2011](tel:1-877-344-2011)

Local:416-235-6322

email:wtrshelpdesk@ontario.ca