

# Cobden Drinking Water System

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Waterworks # 220001218  
System Category – Large Municipal Residential

## Annual Water Report

Prepared For: The Township of Whitewater Region

Reporting Period of January 1<sup>th</sup> – December 31<sup>st</sup> 2023  
February 16<sup>th</sup>, 2024

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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## Report Availability

The annual report will be available to residents at the Township of Whitewater Region's Municipal Office and copies provided free of charge if requested. The Township of Whitewater Region's Municipal Office is located at, 44 Main Street, Cobden, Ontario.

There are no additional drinking water systems that receive water from this facility.

## Compliance Report Card

Compliance Event	# of Events
Ministry of Environment Inspections	2 MECP Inspections on February 8 <sup>th</sup> 2023 with a rating of 92.18% and July 7 <sup>th</sup> 2023 with a rating of 100%
Ministry of Labour Inspections	0
QEMS External Audit	1 Audit completed on February 23 <sup>rd</sup> 2023 by SAI Global. No major or minor non-conformances were identified.
AWQI's/BWA	0/0
Non-Compliance	0
Community Complaints	11
Spills	0
Watermain Breaks	0

## System Process Description

### Raw Source

The Cobden water treatment plant receives raw water from Muskrat Lake. The intake for the water treatment plant consists of a 300 mm diameter pipe located approximately 12.2 m below the water surface, and is equipped with polyethylene lines for seasonal potassium permanganate dosing for zebra mussel and manganese control and for raw water sampling. Water flows by gravity from the intake structure and enters two interconnected intake wet wells with a total volume of 70 m<sup>3</sup>. Two vertical turbine low lift pumps convey water into the treatment system. A flow meter is installed on the low lift discharge header to allow accurate monitoring of water takings.

### Treatment

The Cobden water treatment plant uses chemically assisted filtration to treat the raw water before disinfection occurs. Similar to the intake crib, potassium permanganate is added seasonally at the raw water discharge header for additional manganese control. Raw water leaving the wet wells is injected

with the coagulant, PAS-8 and the coagulant aid, Superfloc polymer and is then mixed via an inline static mixer. The Cobden water treatment plant consists of an Ecodyne Package Unit and Corix Treatment Unit. Flow is directed to one treatment unit at a time. The unit's both feature a tank for coagulation and flocculation. This tank has a mixer to facilitate the process. The next stage is sedimentation. The sedimentation tank utilizes tube settlers to allow the floc to settle. Clarified water off the top of the tank is collected in troughs and distributed to the two-cell dual media (sand/anthracite) gravity filters. A common underdrain collects filter effluent from both cells, and a continuous online turbidimeter monitors each of the filters effluent turbidity.

Sodium hypochlorite is injected into the filtered water prior to entering a dual-celled baffled clearwell with total volume of 187 m<sup>3</sup>. The clearwell provides sufficient contact time to meet primary disinfection. Water flows from the clearwell by two high lift pumps into the distribution system. Sodium hypochlorite is injected into the water again before travelling to the distribution system.

Process wastewater is directed to a wastewater tank and discharged to the sanitary sewer. The supernatant chamber which discharges to the lake is no longer in use.

### **Distribution**

The Cobden Distribution System is a Class 1 Distribution System that serves a population of approximately 1000. The distribution system includes 9.2 km of watermain, 61 fire hydrants, and a 900 m<sup>3</sup> elevated water storage tank located at 44 Gould Street. Four sample stations are available on Simmons Drive, Ross Street, Main Street and Morrison Drive to facilitate distribution sampling and provide adequate chlorine residuals in the distributed water.

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

Chemical Name	Use	Supplier
PAS-8	Coagulation & Flocculation	Kemira
Superfloc 492PWG	Coagulant Aid (Polymer)	Kemira
Sodium Hypochlorite (12%)	Disinfection	Brenntag
Potassium Permanganate (granular 97.5%)	Zebra Mussel and Manganese Control	Cariox via Brenntag

## Summary of Non-Compliance

### Adverse Water Quality Incidents

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

### Non-Compliance

Legislation	requirement(s) system failed to meet	duration of the failure (i.e. date(s))	Corrective Action	Status
None to report.				

### 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 6	Continuous monitoring equipment that was being utilized was not performing tests for the parameters with at least the minimum frequency specified in the Table in section 6-5 and was not recording data with the prescribed format.	October 13, 2021 at 11:04:47 am to October 25 2021 at 7:58 am	On November 17 <sup>th</sup> 2022, the geographically assigned Water Inspector was satisfied with the actions taken by OCWA and did not require any further actions to be taken and the incident was closed.	Complete
O. Reg. 170/03 Schedule 13	All trihalomethane (THM) water quality monitoring requirements prescribed by legislation were not conducted within the required frequency and/or at the required location.	Q3 (July-September) and Q4 (October-December) of 2022	The 2023 sampling calendar was revised to capture monthly THM samples from 100 main street and 32 ross street to remain consistent and to be collected from a location that is likely to have an elevated potential for the formation of THM.	Complete
O. Reg. 170/03 Schedule 16	All required notifications of adverse water quality incidents were not immediately provided.	Q3 (July-September) of 2022	OCWA immediately re-reported/revised the adverse water quality incident (AWQI# 159420) that resulted in the "failure to report" to reflect the Q2 2022 THM running annual average exceedance. No further actions were required.	Complete

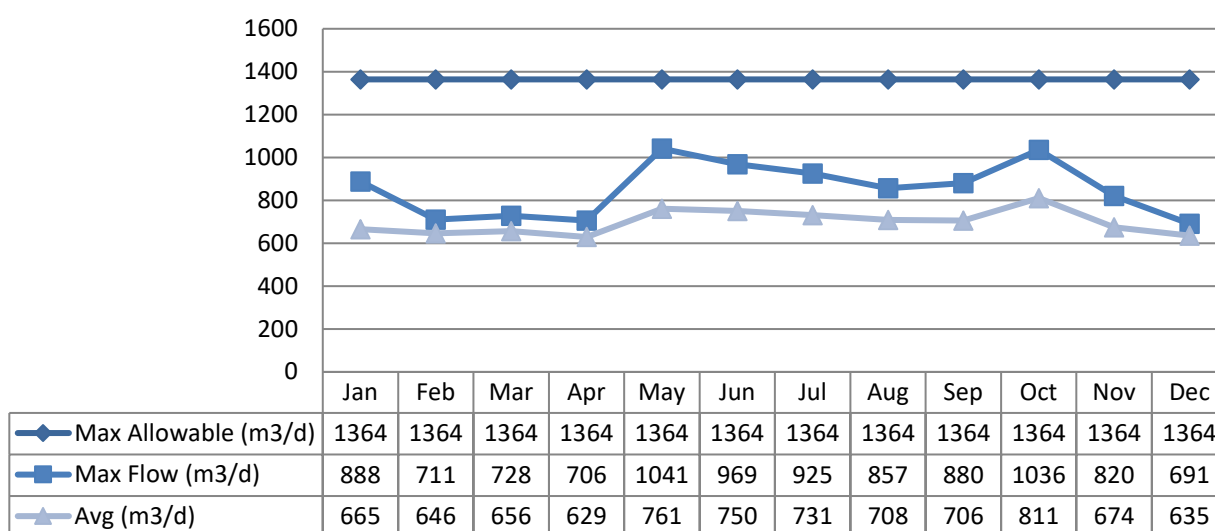
## Flows

### Raw Water Flows

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-300-1175250711. The confirmations that the data was submitted are attached in Appendix A.

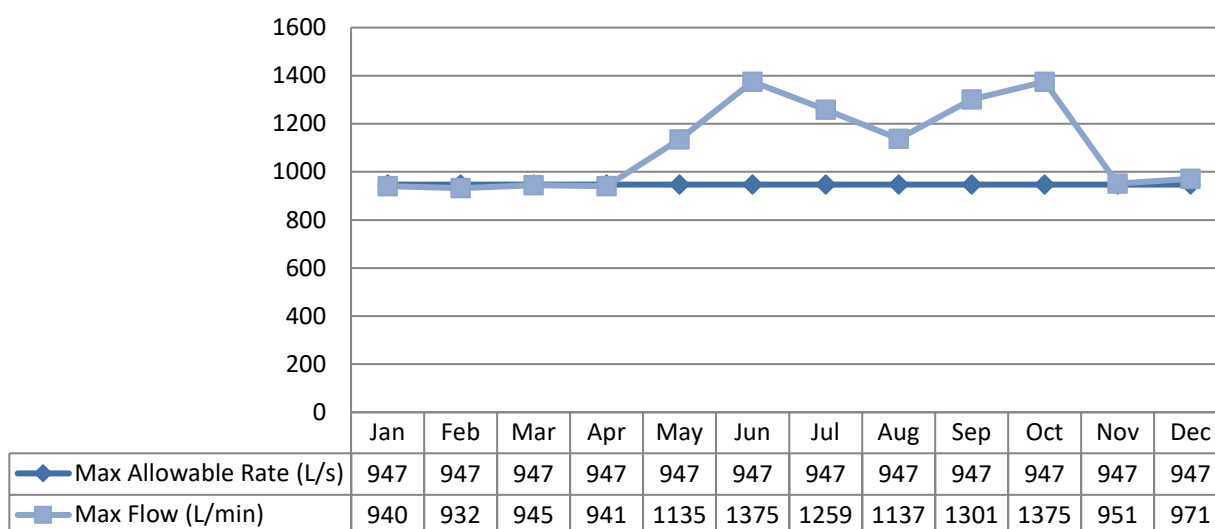
### Total Monthly Flows

Max Allowable PTTW



### Maximum Flow Rates

Max Allowable Rate - PTTW



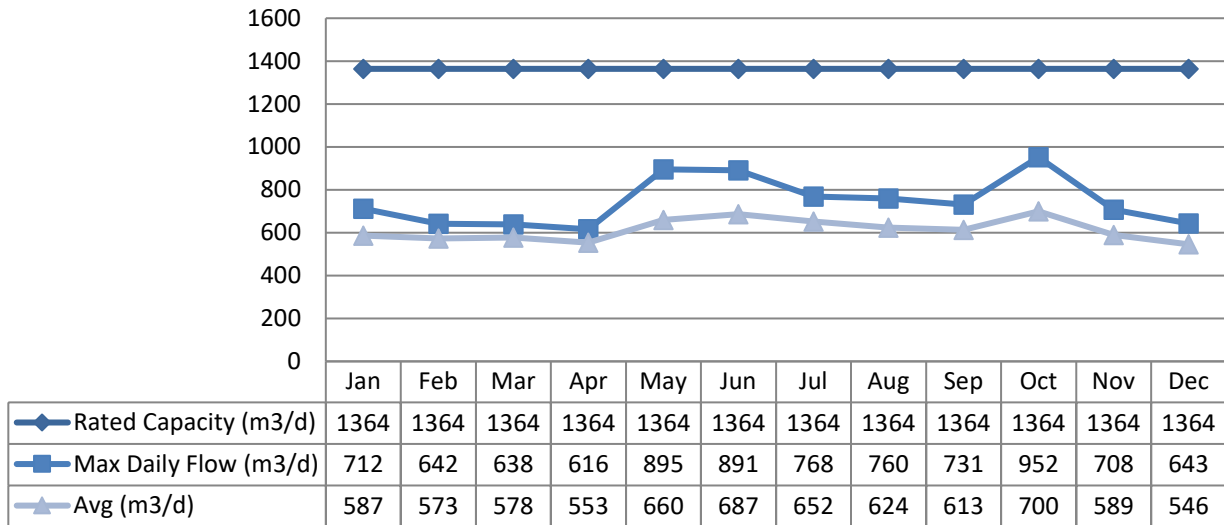
\*Note spikes in flow rate that are above max allowable rate were on low lift pump start up and lasted less than a minute, events under a minute are not reportable as a PTTW exceedance

## Treated Water Flows

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

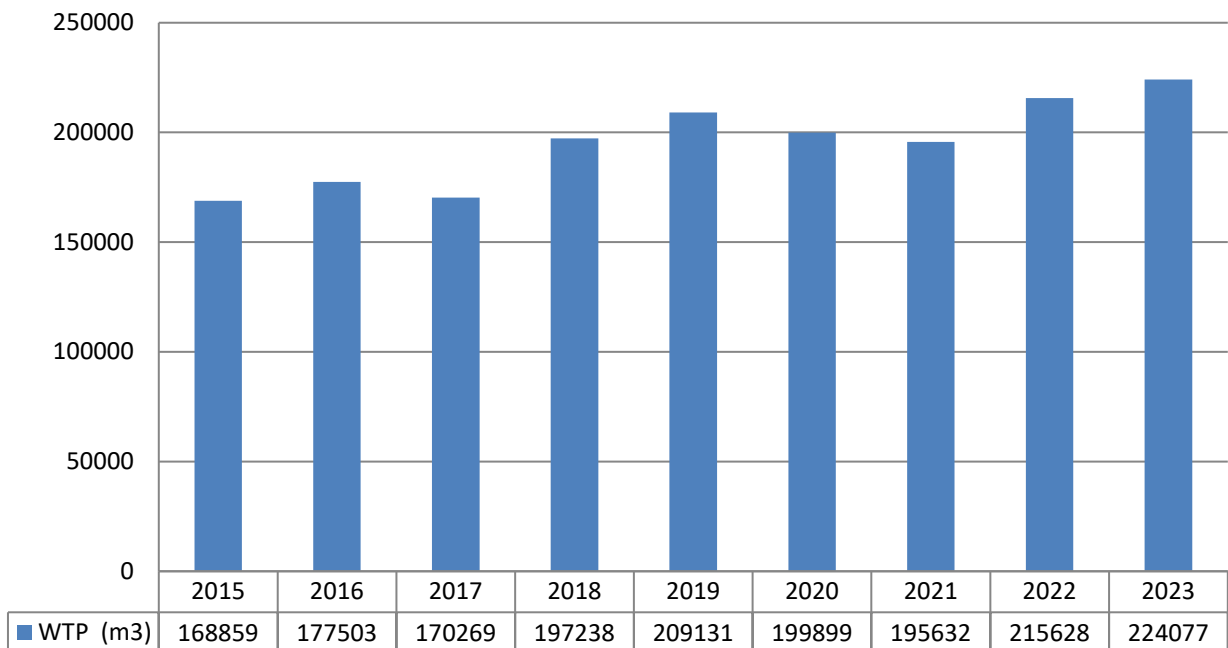
### Monthly Rated Flows

Rated Capacity - MDWL



### Annual Total Flow Comparison

Total Annual 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 Water	51	0	40	0	680	N/A	N/A
Treated Water	52	0	0	0	0	0	2
Distribution Water	117	0	0	0	0	0	115

\*NOTE: 52 raw water samples were collected in 2023 though the sample collected October 17<sup>th</sup> was NDOGT - No Data: Overgrown with Target Bacteria for both total coliform and E.Coli results

### Operational Testing

	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Turbidity, In-House (NTU) - RW	190	0.48	3.2
Turbidity, In-House (NTU) - TW	184	0.04	2.93
Turbidity, On-Line (NTU) - Filter 1	8760	0.00	1.52
Turbidity, On-Line (NTU) - Filter 2	8760	0.00	1.02
Highlift Free Chlorine Residual, On-Line (mg/L) - TW	8760	0.67	2.96
Free Chlorine Residual, In House (mg/L) - DW	365	0.06	2.03

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 O. Reg. 170/03. Sodium and Fluoride are required to be tested every 60 months. Nitrate and Nitrite are tested quarterly and metals are tested annually as required under O. Reg. 170/03. In the event any parameter exceeds half the maximum allowable concentration the parameter is required to be sampled quarterly.

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

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
<b>Treated Water</b>					
Antimony: Sb (ug/L) - TW	2023/01/10	<MDL 0.6	6.0	No	No
Arsenic: As (ug/L) - TW	2023/01/10	<MDL 0.2	10.0	No	No
Barium: Ba (ug/L) - TW	2023/01/10	28.3	1000.0	No	No
Boron: B (ug/L) - TW	2023/01/10	12.0	5000.0	No	No
Cadmium: Cd (ug/L) - TW	2023/01/10	<MDL 0.003	5.0	No	No
Chromium: Cr (ug/L) - TW	2023/01/10	0.13	50.0	No	No
Mercury: Hg (ug/L) - TW	2023/01/10	<MDL 0.01	1.0	No	No
Selenium: Se (ug/L) - TW	2023/01/10	0.08	50.0	No	No
Uranium: U (ug/L) - TW	2023/01/10	0.26	20.0	No	No



	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
Additional Inorganics					
Nitrite (mg/L) - TW	2023/01/10	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2023/04/11	0.004	1.0	No	No
Nitrite (mg/L) - TW	2023/07/11	<MDL 0.003	1.0	No	No
Nitrite (mg/L) - TW	2023/10/17	<MDL 0.003	1.0	No	No
Nitrate (mg/L) - TW	2023/01/10	0.308	10.0	No	No
Nitrate (mg/L) - TW	2023/04/11	0.31	10.0	No	No
Nitrate (mg/L) - TW	2023/07/11	0.356	10.0	No	No
Nitrate (mg/L) - TW	2023/10/17	0.039	10.0	No	No
Fluoride (mg/L) - TW	2019/01/03	0.13	1.5	No	No
Sodium: Na (mg/L) - TW	2019/01/03	16.0	20*	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 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)	3	4	112	115	N/A	N/A
pH	3	4	7.20	7.55	N/A	N/A
Lead (ug/L)	2	2	0.04	1.38	10	0

#### Organic Parameters

These parameters are tested annually as a requirement under O. Reg. 170/03. In the event any parameter exceeds half the maximum allowable concentration the parameter is required to be sampled quarterly.

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

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Treated Water					
Alachlor (ug/L) - TW	2023/01/10	<MDL 0.02	5.0	No	No
Atrazine + N-dealkylated metabolites (ug/L) - TW	2023/01/10	0.02	5.0	No	No
Azinphos-methyl (ug/L) - TW	2023/01/10	<MDL 0.05	20.0	No	No
Benzene (ug/L) - TW	2023/01/10	<MDL 0.32	1.0	No	No
Benzo(a)pyrene (ug/L) - TW	2023/01/10	<MDL 0.004	0.01	No	No
Bromoxynil (ug/L) - TW	2023/01/10	<MDL 0.33	5.0	No	No
Carbaryl (ug/L) - TW	2023/01/10	<MDL 0.05	90.0	No	No
Carbofuran (ug/L) - TW	2023/01/10	<MDL 0.01	90.0	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
Carbon Tetrachloride (ug/L) - TW	2023/01/10	<MDL 0.17	2.0	No	No
Chlorpyrifos (ug/L) - TW	2023/01/10	<MDL 0.02	90.0	No	No
Diazinon (ug/L) - TW	2023/01/10	<MDL 0.02	20.0	No	No
Dicamba (ug/L) - TW	2023/01/10	<MDL 0.2	120.0	No	No
1,2-Dichlorobenzene (ug/L) - TW	2023/01/10	<MDL 0.41	200.0	No	No
1,4-Dichlorobenzene (ug/L) - TW	2023/01/10	<MDL 0.36	5.0	No	No
1,2-Dichloroethane (ug/L) - TW	2023/01/10	<MDL 0.35	5.0	No	No
1,1-Dichloroethylene (ug/L) - TW	2023/01/10	<MDL 0.33	14.0	No	No
Dichloromethane (Methylene Chloride) (ug/L) - TW	2023/01/10	<MDL 0.35	50.0	No	No
2,4-Dichlorophenol (ug/L) - TW	2023/01/10	<MDL 0.15	900.0	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L) - TW	2023/01/10	<MDL 0.19	100.0	No	No
Diclofop-methyl (ug/L) - TW	2023/01/10	<MDL 0.4	9.0	No	No
Dimethoate (ug/L) - TW	2023/01/10	<MDL 0.06	20.0	No	No
Diquat (ug/L) - TW	2023/01/10	<MDL 1.0	70.0	No	No
Diuron (ug/L) - TW	2023/01/10	<MDL 0.03	150.0	No	No
Glyphosate (ug/L) - TW	2023/01/10	<MDL 1.0	280.0	No	No
Malathion (ug/L) - TW	2023/01/10	<MDL 0.02	190.0	No	No
Metolachlor (ug/L) - TW	2023/01/10	0.01	50.0	No	No
Metribuzin (ug/L) - TW	2023/01/10	<MDL 0.02	80.0	No	No
Monochlorobenzene (Chlorobenzene) (ug/L) - TW	2023/01/10	<MDL 0.3	80.0	No	No
Paraquat (ug/L) - TW	2023/01/10	<MDL 1.0	10.0	No	No
PCB (ug/L) - TW	2023/01/10	<MDL 0.04	3.0	No	No
Pentachlorophenol (ug/L) - TW	2023/01/10	<MDL 0.15	60.0	No	No
Phorate (ug/L) - TW	2023/01/10	<MDL 0.01	2.0	No	No
Picloram (ug/L) - TW	2023/01/10	<MDL 1.0	190.0	No	No
Prometryne (ug/L) - TW	2023/01/10	<MDL 0.03	1.0	No	No
Simazine (ug/L) - TW	2023/01/10	<MDL 0.01	10.0	No	No
Terbufos (ug/L) - TW	2023/01/10	<MDL 0.01	1.0	No	No
Tetrachloroethylene (ug/L) - TW	2023/01/10	<MDL 0.35	10.0	No	No
2,3,4,6-Tetrachlorophenol (ug/L) - TW	2023/01/10	<MDL 0.2	100.0	No	No
Triallate (ug/L) - TW	2023/01/10	<MDL 0.01	230.0	No	No
Trichloroethylene (ug/L) - TW	2023/01/10	<MDL 0.44	5.0	No	No
2,4,6-Trichlorophenol (ug/L) - TW	2023/01/10	<MDL 0.25	5.0	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L) - TW	2023/01/10	<MDL 0.12	100.0	No	No
Trifluralin (ug/L) - TW	2023/01/10	<MDL 0.02	45.0	No	No
Vinyl Chloride (ug/L) - TW	2023/01/10	<MDL 0.17	1.0	No	No

Distribution samples are tested quarterly for THM's and HAA's in accordance with O. Reg. 170/03.

	Sample Year	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
<b>Distribution Water</b>					
Trihalomethane (THM): Total (ug/L) – DW*	2023	98.3	100.0	No	Yes
Haloacetic Acid (HAA): Total (ug/L) - DW*	2023	65.3	80.0	No	Yes

\*Running Annual Average

<MDL = Less than Method Detection Limit

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

### Additional Legislated Samples

Schedule C: System-Specific Conditions of Municipal Drinking Water License #203-202 requires the Cobden Drinking Water System to have a Harmful Algal Bloom (HAB) plan. The HAB plan is to be implemented when a potential harmful algal bloom is suspected or present in the source water. Muskrat Lake, the raw water source for the Cobden DWS, has a known history of Blue-Green Algae blooms. To ensure the drinking water remains unaffected the Raw and Treated water is sampled on a weekly basis for Microcystin during the Harmful Algal Bloom season, which occurs from June 1st to October 31<sup>st</sup> of each year.

	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Microcystin (ug/L) - RW	22	<MDL 0.1	<MDL 0.1
Microcystin (ug/L) - TW	22	<MDL 0.1	<MDL 0.1

<MDL = Less than Method Detection Limit

Schedule C: System-Specific Conditions of Municipal Drinking Water License #203-202 requires the Cobden Drinking Water System to monitor the effluent discharged to the natural environment. It should be noted that the backwash effluent directly discharges to the sanitary sewer to be processed at the Cobden Wastewater Treatment Plant not the natural environment, and as such the effluent was not sampled on a quarterly basis in 2023.

Legal Document	Date of Issuance	Parameter	Limit (mg/L)	Result (mg/L)
MDWL #203-202	24-Sept-2020	Backwash Effluent Suspended Solids	Annual Average < 25 mg/L	N/A
MDWL #203-202	24-Sept-2020	Backwash Effluent Total Chlorine Residual	Annual Average < 0.02 mg/L	N/A

## Major Maintenance Summary

WO #	Description
3384653	Replaced post filter chlorine sample pump
3703837	Cleaned/vacuumed valve boxes on main street ahead of exercising the valves
3432036	Modify and repair SCADA programing to elevate low lift pump failures

## Distribution Maintenance

Date	Location Reference	Category	Details
January 6 <sup>th</sup> 2023	2 Pembroke Street	N/A	Replaced curbstop rod and standpipe to repair service leak
June 8 <sup>th</sup> 2023	Entire System	N/A	Spring flushing program
August 15 <sup>th</sup> 2023	Entire System	N/A	Valve exercising program
September 19 <sup>th</sup> 2023	43 Astrolabe Road	N/A	Emergency repair of leaking service into Arena
October 6 <sup>th</sup> 2023	Corner of Astrolabe Road and Crawford Street	N/A	Repair leaking service
October 11 <sup>th</sup> 2023	Entire System	N/A	Fall flushing program
November 1 <sup>st</sup> 2023	3 Dixon Street	N/A	Curbstop repaired
November 21 <sup>st</sup> 2023	35 Pembroke Street	N/A	Repair leaking service

# Appendix A

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## RSRS Data and Submission Confirmation



Client Name: THE CORPORATION OF THE TOWNSHIP OF WHITEWATER REGION    Reporting Year: 2023    Service: PTTW    Permit Number: P-300-1175250711    Permit Version: 1.0    New or Updated Submission: NEW

Site Name: Cobden Water Treatment Plant

Source ID: 500000637197    Source Name: Muskrat Lake    Source Type: Lake

UTM(Zone/Easting/Northing): 18/353658.0/5055621.0    Method of Determination: Metered    Unit of Measure: Litre

Description: Muskrat Lake    Purpose Category: Utilities    Specific Category: Municipal Supply    Activity: Water Supply

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	682000.0	640000.0	580000.0	565000.0	650000.0	969000.0	622000.0	634000.0	801000.0	885000.0	720000.0	613000.0
2	710000.0	660000.0	651000.0	651000.0	643000.0	875000.0	626000.0	857000.0	671000.0	951000.0	820000.0	670000.0
3	670000.0	601000.0	650000.0	601000.0	727000.0	439000.0	765000.0	823000.0	654000.0	878000.0	778000.0	680000.0
4	620000.0	586000.0	610000.0	658000.0	770000.0	916000.0	787000.0	725000.0	770000.0	957000.0	646000.0	658000.0
5	718000.0	642000.0	686000.0	593000.0	796000.0	856000.0	925000.0	786000.0	818000.0	857000.0	782000.0	590000.0
6	888000.0	637000.0	687000.0	613000.0	683000.0	819000.0	720000.0	717000.0	771000.0	968000.0	657000.0	581000.0
7	789000.0	586000.0	681000.0	651000.0	705000.0	809000.0	831000.0	707000.0	842000.0	864000.0	759000.0	668000.0
8	697000.0	653000.0	666000.0	549000.0	779000.0	663000.0	788000.0	661000.0	663000.0	892000.0	742000.0	598000.0
9	694000.0	618000.0	582000.0	636000.0	771000.0	638000.0	774000.0	687000.0	646000.0	789000.0	758000.0	691000.0
10	647000.0	650000.0	678000.0	691000.0	747000.0	774000.0	800000.0	759000.0	689000.0	915000.0	726000.0	612000.0
11	659000.0	694000.0	619000.0	679000.0	757000.0	677000.0	850000.0	601000.0	712000.0	735000.0	685000.0	686000.0
12	658000.0	686000.0	686000.0	620000.0	736000.0	742000.0	811000.0	586000.0	602000.0	985000.0	660000.0	599000.0
13	687000.0	691000.0	631000.0	696000.0	623000.0	827000.0	697000.0	664000.0	744000.0	1036000.0	581000.0	688000.0
14	643000.0	664000.0	728000.0	561000.0	744000.0	676000.0	657000.0	697000.0	665000.0	859000.0	691000.0	671000.0
15	667000.0	683000.0	650000.0	671000.0	791000.0	802000.0	699000.0	701000.0	671000.0	614000.0	628000.0	648000.0
16	676000.0	654000.0	570000.0	633000.0	689000.0	643000.0	698000.0	786000.0	676000.0	780000.0	691000.0	606000.0
17	696000.0	624000.0	670000.0	625000.0	755000.0	704000.0	694000.0	690000.0	633000.0	800000.0	704000.0	664000.0
18	598000.0	691000.0	697000.0	669000.0	619000.0	707000.0	800000.0	763000.0	710000.0	810000.0	670000.0	568000.0
19	699000.0	637000.0	650000.0	671000.0	700000.0	693000.0	781000.0	671000.0	690000.0	785000.0	603000.0	627000.0
20	665000.0	646000.0	634000.0	557000.0	654000.0	820000.0	833000.0	687000.0	678000.0	743000.0	664000.0	614000.0
21	689000.0	657000.0	671000.0	656000.0	562000.0	962000.0	738000.0	660000.0	698000.0	611000.0	621000.0	685000.0
22	688000.0	624000.0	691000.0	598000.0	778000.0	924000.0	525000.0	761000.0	717000.0	746000.0	584000.0	679000.0
23	759000.0	685000.0	713000.0	630000.0	763000.0	839000.0	591000.0	792000.0	619000.0	655000.0	686000.0	635000.0
24	619000.0	592000.0	675000.0	649000.0	747000.0	751000.0	752000.0	728000.0	715000.0	758000.0	659000.0	646000.0
25	662000.0	639000.0	633000.0	623000.0	800000.0	822000.0	635000.0	694000.0	623000.0	809000.0	620000.0	535000.0
26	557000.0	655000.0	664000.0	706000.0	818000.0	647000.0	779000.0	653000.0	788000.0	701000.0	572000.0	604000.0
27	602000.0	711000.0	696000.0	640000.0	976000.0	605000.0	820000.0	648000.0	627000.0	818000.0	640000.0	544000.0
28	584000.0	580000.0	663000.0	613000.0	879000.0	649000.0	752000.0	625000.0	697000.0	776000.0	657000.0	679000.0
29	623000.0		699000.0	625000.0	965000.0	610000.0	645000.0	765000.0	723000.0	639000.0	582000.0	664000.0
30	657000.0		572000.0	546000.0	927000.0	628000.0	545000.0	770000.0	880000.0	781000.0	646000.0	652000.0
31	425000.0		667000.0		1041000.0		720000.0	664000.0		730000.0		639000.0

**Name of Attester**

**First Name:** Kaylee

**Last Name:** Saar

**Company:** Ontario Clean Water Agency

**Date Certified/Submitted(yyyy/mm/dd):** 2024/01/19