

Echo Bay Water Treatment

Large Municipal Residential Drinking Water System

January 1, 2024 – December 31, 2024

*Reg 170/03 Schedule 22 Summary Report
Reg 170/03 Section 11 Annual Report
&
Reg 387/04 Annual Record of Water Taking*

Prepared by the Ontario Clean Water Agency
For The Corporation of the Township of Macdonald, Meredith and Aberdeen Additional



Drinking-Water System Number: 220009121
Drinking-Water System Name: Echo Bay Drinking Water System
Drinking-Water System Owner: The Corp. of the Township of Macdonald, Meredith and Aberdeen Additional
Drinking-Water System Category: Large Municipal Residential

SECTION 1: INTRODUCTION

This document is prepared in accordance with Section 11 and Schedule 22 of O.Reg.170/03 under the Safe Drinking Water Act and with Section 9 of O.Reg.387/04 under the Ontario Water Resources Act. The reports are prepared by the Ontario Clean Water Agency. Acronyms and definitions can be found at the end of the report.

A copy of the Summary Report must be provided to the members of the municipal council by March 31, [2025](#).

SECTION 2: REQUIREMENTS OF THE REPORTS

Schedule 22 Report

The report must list the requirements of the Act, the regulations, the system's approval and any order that the system **failed to meet** at any time during the period covered by the report. It must also specify the duration of the failure, and for each failure referred to, describe the measures that were taken to correct the failure.

For the purpose of enabling the owner of the system to assess the rated capability of their system to meet existing and future planned water uses, the following information is required to be included in this report:

- A summary of the quantities and flow rates of the water supplied during the period covered by the report, including monthly average and maximum daily flows.
- A comparison of the summary to the rated capacity and flow rates approved in the systems approval.

Section 11 Report

The annual report must contain the following:

- A brief description of the drinking water system and a list of chemicals used by the system.
- A description of any major expenses incurred during the period covered by the report to install, repair or replace required equipment.
- A summary of all adverse water quality incidents (AWQI) reported to the Ministry
- A summary of corrective actions taken in response all AWQIs
- A summary of all test results required under the regulation, under an approval, municipal drinking water licence or order, including an OWRA order.
- A statement of where a Schedule 22 report will be available for inspection.

The report must be prepared not later than February 28 of the following year.

Regulation 387 Report

On or before March 31 in every year, every holder of a permit to take water (PTTW) shall submit to a Director the data collected and recorded for the previous year.

A record of annual water taking can be found in [Appendix A](#).



SECTION 3: SCHEDULE 22 REPORT

Flows - Treated

In accordance with the Municipal Drinking Water License (MDWL), the Echo Bay WTP shall not be operated to exceed a maximum flow of 1,416 m³/d to the distribution system.

The daily treated water maximum flow was 364.70 m³ in August and represents 25% of capacity. In 2024, the total volume of water sent to the distribution system was 54,281.80 m³

The quantity of treated water supplied during the reporting period **did not** exceed the rated maximum capacity.

Treated Water Flow Data				
Month	Total Monthly Flow (m³)	Average Flow (m³/d)	Maximum Flow (m³/d)	Limit
				Rated Capacity m³/d
January	4,575.60	147.60	210.90	1,416
February	4,101.00	141.41	169.80	1,416
March	4,466.40	144.08	236.50	1,416
April	4,360.70	145.36	217.80	1,416
May	4,831.40	155.85	273.50	1,416
June	4,957.00	165.23	266.30	1,416
July	4,621.80	149.09	209.00	1,416
August	4,404.60	142.08	364.70	1,416
September	4,239.70	141.32	173.60	1,416
October	4,460.10	143.87	219.00	1,416
November	4,214.60	140.49	162.50	1,416
December	5,048.90	162.87	316.90	1,416
Total	54,281.80			
Average		148.27		
Maximum			364.70	1,416

Flows - Raw

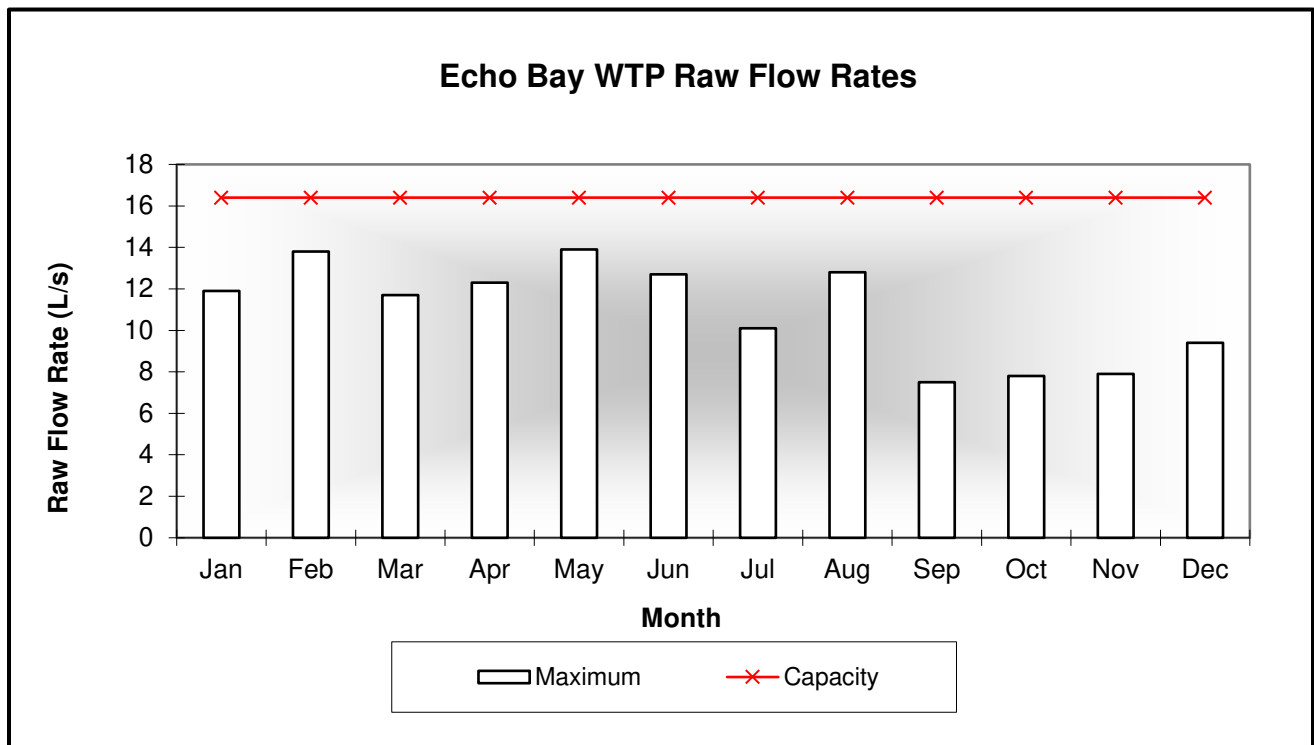
Daily raw maximum instantaneous flow is stated in the PTTW at a maximum rate of flow of 16.4 L/s and a maximum daily volume of 1,418 m³/d.

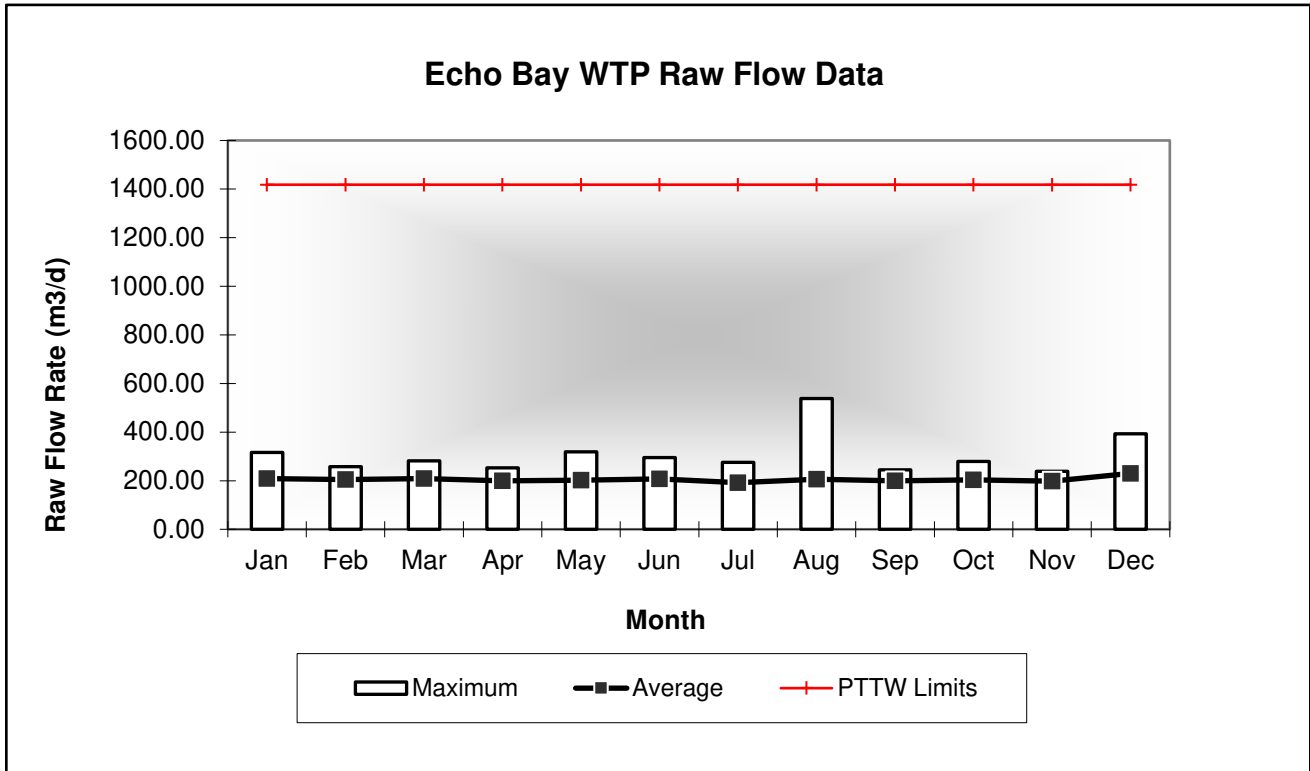
The average monthly raw water flow for this reporting period was 204.77 m³/d. The maximum daily flow was 538.1 m³/d representing 38% of water taking limits. In 2024, the total volume of water taken from the environment was 74,962.2 m³

The quantity of raw water taken **did not** exceed any limits stipulated within the PTTW.



RAW WATER FLOW DATA - TOTAL ALL SOURCES						
Month	Total Monthly Flow (m3)	Average Flow (m3/d)	Maximum Flow (m3/d)	Maximum Flow Rate (L/s)	Limits	
					L/s (PTTW)	m³/d (PTTW)
January	6469.00	208.68	316.20	11.90	16.4	1,418
February	5940.60	204.85	257.70	13.80	16.4	1,418
March	6464.10	208.52	281.60	11.70	16.4	1,418
April	5982.10	199.40	252.80	12.30	16.4	1,418
May	6242.80	201.38	318.70	13.90	16.4	1,418
June	6209.50	206.98	295.10	12.70	16.4	1,418
July	5946.40	191.82	275.40	10.10	16.4	1,418
August	6377.40	205.72	538.10	12.80	16.4	1,418
September	5974.70	199.16	244.60	7.50	16.4	1,418
October	6301.00	203.26	279.20	7.80	16.4	1,418
November	5925.80	197.53	238.60	7.90	16.4	1,418
December	7128.80	229.96	392.90	9.40	16.4	1,418
Total	74,962.20					
Average		204.77				
Maximum			538.10	13.80	16.4	1,418





Annual Raw Water Review

Raw Water Taking	Total Taking m3/d	Average Day m3/d	Max Day m3/d	Max Day % of PTIW allowable 1,418 m3/d
2024	74,962.20	204.77	538.10	38%
2023	90,082.8	246.8	537.5	38%
2022	76,210	208.8	519	37%
2021	69,277.6	189.8	368.3	26%
2020	66,228.1	180.95	474.9	33.5%
2019	63,695.2	174.51	370	26.1%

System Failures and Corrective Actions

The latest inspection of the drinking water facility took place on [December 4, 2024](#). The report has not been received.

No non compliances were reported to the MECP in 2024.



AWQIs reported to the Ministry					
Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
N/A	N/A	N/A	N/A	N/A	N/A

SECTION 4: SECTION 11 REPORT

Information to be provided

Population Served	530
Does your Drinking-Water System serve more than 10,000 people?	No
Is your annual report available to the public at no charge on a web site on the Internet?	Yes
Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.	Township of Macdonald, Meredith and Aberdeen Additional, Municipal Office 208 Church St Echo Bay, Ontario P0S 1C0
Number of Designated Facilities served:	0
Did you provide a copy of your annual report to all Designated Facilities you serve?	NA
Number of Interested Authorities you report to:	0
Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?	NA
List all Drinking-Water Systems (if any), and their DWS Number which receive all of their drinking water from your system:	N/A
Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?	NA
Indicate how you notified system users that your annual report is available, and is free of charge.	Public access/notice via the web
Indicate if you notified system users that your annual report is available and is free of charge using an alternate method	YES

Facility Description

Raw water drawn from Lake George is processed into potable water by the package water treatment plant through coagulation, flocculation, sedimentation, and filtration. Alum is used to assist the clarification process, chlorination is used for disinfection purposes, and Sodium Hydroxide (Caustic) is used for pH adjustment. The granular activated carbon filters are used primarily as a safeguard against the presence of organics in the supply water, as well as to prevent possible taste and odor problems. The rated capacity of the system is 1,416m³. Water is directed into two clearwells with a total storage volume of 630m³ and four high lift pumps supply water to the Town and the elevated storage tank. A



surge tank serves as backwash water storage from the dual media filters and GAC filters. Two submersible pumps convey wastewater from the surge tank to the wastewater clarifier in the attached sewage treatment plant. Stand-by power is available from a 180kW diesel generator.

Chemicals Used

Aluminum Sulphate	Coagulation
Magnafloc LT 20 (Polymer)	Coagulation aide
Sodium Hypochlorite 12%	Disinfection
Sodium Hydroxide	Sodium Hydroxide

Significant Expenses

Significant expenses incurred to

- Install required equipment
- Repair required equipment
- Replace required equipment

Work Order	Completion Date	Comment
3806095	October 2024	Replaced a pH analyzer – 3,416\$
3847567	October 2024	Replaced a low lift pump – \$7,572\$
3806100	October 2024	Replaced raw water turbidity analyzer – 9,845\$
4194966	December 2024	Replaced lights in chemical room – 1,293\$

Adverse Water Quality Incidents

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre					
Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
N/A	N/A	N/A	N/A	N/A	N/A

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03.

	No. of Samples Collected	Range of E.Coli		Range of Total Coliform Results		Number of HPC Samples	Range of HPC Results	
		Min #	Max #	Min #	Max #		Min #	Max #
Raw Water	51	0	7	0	121	N/A	N/A	N/A
Treated Water	53	0	0	0	0	53	0	10
Distribution	106	0	0	0	0	53	0	10



Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03

	No. of Samples	Range of Results	
	Collected	Minimum	Maximum
Turbidity, On-Line (NTU) - Filt1	8760	0.01	1.75
Turbidity, On-Line (NTU) - Filt2	8760	0.01	2.17
Free Chlorine Residual, Treated (mg/L)	8760	0.43	1.85
Free Chlorine Residual, Distribution Location 1	105	0.60	1.59
Free Chlorine Residual, Distribution Location 2	105	0.60	1.58
Free Chlorine Residual, Distribution Location 3	105	0.59	1.75
Free Chlorine Residual, Distribution Location 4	52	0.65	1.67

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument. (Use monitoring BW TSS sheet to Paste and Copy)

Date of legal instrument issued	Parameter and limits	Month Sampled	Day Sampled	Result	Unit of Measure
N/A	N/A	N/A	N/A	N/A	N/A
Annual Average					mg/L

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
TREATED WATER				MAC	1/2 MAC
Antimony: Sb (ug/L) - TW	2024/01/03	< MDL 0.6	6	No	No
Arsenic: As (ug/L) - TW	2024/01/03	< MDL 0.2	10	No	No
Barium: Ba (ug/L) - TW	2024/01/03	8.16	1000	No	No
Boron: B (ug/L) - TW	2024/01/03	6	5000	No	No
Cadmium: Cd (ug/L) - TW	2024/01/03	0.003	5	No	No
Chromium: Cr (ug/L) - TW	2024/01/03	0.09	50	No	No
Mercury: Hg (ug/L) - TW	2024/01/03	< MDL 0.01	1	No	No
Selenium: Se (ug/L) - TW	2024/01/03	0.08	50	No	No
Uranium: U (ug/L) - TW	2024/01/03	0.002	20	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	No. of Exceedances	
				MAC	1/2 MAC
TREATED WATER				MAC	1/2 MAC
Fluoride (mg/L) - TW	2021/01/27	< MDL 0.06	1.5	No	No
Nitrate : (mg/L) - TW	2024/02/05	0.378	10	No	No
Nitrate : (mg/L) - TW	2024/04/15	0.357	10	No	No
Nitrate : (mg/L) - TW	2024/07/08	0.355	10	No	No
Nitrate : (mg/L) - TW	2024/10/21	0.348	10	No	No



Nitrite : (mg/L) - TW	2024/02/05	< MDL 0.003	1	No	No
Nitrite : (mg/L) - TW	2024/04/15	< MDL 0.003	1	No	No
Nitrite : (mg/L) - TW	2024/07/08	< MDL 0.003	1	No	No
Nitrite : (mg/L) - TW	2024/10/21	< MDL 0.003	1	No	No
Sodium / Na (mg/L) - TW	2021/01/27	5.42	20*	No	No

*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.

Summary of Lead testing under Schedule 15.1 during this reporting period

Location Type	Number of Samples	Range of Results		MAC	Number of Exceedances
		Minimum	Maximum	(ug/L)	
Distribution - Lead Results (ug/L)	2	0.13	0.33	10	0
Distribution - Alkalinity (mg/L)	2	34	36	n/a	n/a
Distribution - pH In-House	2	7.18	7.55	n/a	n/a

Summary of Organic parameters sampled during this reporting period or the most recent sample results

	Sample Date (yyyy/mm/dd)	Sample Result	MAC	Number of Exceedances	
				MAC	1/2 MAC
TREATED WATER				MAC	1/2 MAC
1,1-Dichloroethylene (ug/L)-TW	2024/01/03	< MDL 0.33	14	No	No
1,2-Dichlorobenzene (ug/L)-TW	2024/01/03	< MDL 0.41	200	No	No
1,2-Dichloroethane (ug/L)-TW	2024/01/03	< MDL 0.35	5	No	No
1,4-Dichlorobenzene (ug/L)-TW	2024/01/03	< MDL 0.36	5	No	No
2,3,4,6-Tetrachlorophenol (ug/L)-TW	2024/01/03	< MDL 0.2	100	No	No
2,4,6-Trichlorophenol (ug/L)-TW	2024/01/03	< MDL 0.25	5	No	No
2,4-Dichlorophenol (ug/L)-TW	2024/01/03	< MDL 0.15	900	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW	2024/01/03	< MDL 0.19	100	No	No
2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW	2024/01/03	< MDL 0.12	100	No	No
Alachlor (ug/L) -TW	2024/01/03	< MDL 0.02	5	No	No
Atrazine + N-dealkylated metabolites (ug/L)-TW	2024/01/03	< MDL 0.01	5	No	No
Azinphos-methyl (ug/L)-TW	2024/01/03	< MDL 0.05	20	No	No
Benzene (ug/L)-TW	2024/01/03	< MDL 0.32	1	No	No
Benzo(a)pyrene (ug/L)-TW	2024/01/03	< MDL 0.004	0.01	No	No
Bromoxynil (ug/L)-TW	2024/01/03	< MDL 0.33	5	No	No
Carbaryl (ug/L)-TW	2024/01/03	< MDL 0.05	90	No	No
Carbofuran (ug/L) -TW	2024/01/03	< MDL 0.01	90	No	No
Carbon Tetrachloride (ug/L) -TW	2024/01/03	< MDL 0.17	2	No	No
Chlorpyrifos (ug/L) -TW	2024/01/03	< MDL 0.02	90	No	No
Diazinon (ug/L)-TW	2024/01/03	< MDL 0.02	20	No	No
Dicamba (ug/L)-TW	2024/01/03	< MDL 0.2	120	No	No
Dichloromethane (Methylene Chloride) (ug/L)-TW	2024/01/03	< MDL 0.35	50	No	No
Diclofop-methyl (ug/L)-TW	2024/01/03	< MDL 0.4	9	No	No



Dimethoate (ug/L)-TW	2024/01/03	< MDL 0.06	20	No	No
Diquat (ug/L)-TW	2024/01/03	< MDL 1	70	No	No
Diuron (ug/L)-TW	2024/01/03	< MDL 0.03	150	No	No
Glyphosate (ug/L)-TW	2024/01/03	< MDL 1	280	No	No
Malathion (ug/L)-TW	2024/01/03	< MDL 0.02	190	No	No
Metolachlor (ug/L)-TW	2024/01/03	< MDL 0.01	50	No	No
Metribuzin (ug/L)-TW	2024/01/03	< MDL 0.02	80	No	No
Monochlorobenzene (Chlorobenzene) (ug/L)-TW	2024/01/03	< MDL 0.3	80	No	No
Paraquat (ug/L)-TW	2024/01/03	< MDL 1	10	No	No
PCB (ug/L)-TW	2024/01/03	< MDL 0.04	3	No	No
Pentachlorophenol (ug/L)-TW	2024/01/03	< MDL 0.15	60	No	No
Phorate (ug/L)-TW	2024/01/03	< MDL 0.01	2	No	No
Picloram (ug/L)-TW	2024/01/03	< MDL 1	190	No	No
Prometryne (ug/L)-TW	2024/01/03	< MDL 0.03	1	No	No
Simazine (ug/L)-TW	2024/01/03	< MDL 0.01	10	No	No
Terbufos (ug/L)-TW	2024/01/03	< MDL 0.01	1	No	No
Tetrachloroethylene (ug/L)-TW	2024/01/03	< MDL 0.35	10	No	No
Triallate (ug/L) -TW	2024/01/03	< MDL 0.01	230	No	No
Trichloroethylene (ug/L)-TW	2024/01/03	< MDL 0.44	5	No	No
Trifluralin (ug/L)-TW	2024/01/03	< MDL 0.02	45	No	No
Vinyl Chloride (ug/L)-TW	2024/01/03	< MDL 0.17	1	No	No
DISTRIBUTION WATER					
Trihalomethane: Total (ug/L) Annual Average - DW	2024/01/01	9.85	100.00	No	No
HAA Total (ug/L) Annual Average – DW	2024/01/01	26	80.0	No	No

SECTION 5: RAW WATER SUBMISSIONS

Raw water flows were submitted to the MECP on [January 16, 2025](#)

SECTION 6: CONCLUSION

The Echo Bay WTP delivers water that, in all its treated and distribution samples, indicates the water to be free of bacteriological contamination.

Based on information available for the [2024](#) operating year, the Echo Bay WTP was able to meet the demand of water use without exceeding the PTTW or the MDWL.



List of Acronyms and Definitions

Alkalinity	The capacity of water for neutralizing an acid solution
AWQI	Adverse Water Quality Incident- when a water sample test result exceeds the Ontario Drinking Water Quality Standards
Backwash	Water pumped backwards to clean filters
BWA	Boil Water Advisory; Issued when risk of contamination is possible in drinking water
CFU	Colony Forming Units
Chlorine Residual	A low level of chlorine remaining in water after disinfection occurs
DW	Distribution Water
DWA	Drinking Water Advisory; Issued when water cannot be consumed by any means
DWWP	Drinking Water Works Permit - provides a description of the overall system
E.Coli	Bacteria used as indicators to measure the degree of pollution and sanitary quality of water
GUDI 170/03	Groundwater Under Direct Influence – Considered to be surface water under O.Reg
HPC	Heterotrophic Plant Count
L/s	Litres per Second
m ³ /d	Cubic Metres per Day
MAC	Maximum Acceptable Concentration
MDL	Minimum Detection Level
MDWL requirements	Municipal Drinking Water Licence - relates to the operation and performance
mg/L	Miligrams per Litre
Ministry	Ministry of the Environment, Conservation and Parks
MECP	Ministry of the Environment, Conservation and Parks
NDOGN	No Data: Overgrown with Non Target Bacteria
NDOGT	No Data: Overgrown with Target Bacteria
O.Reg	Ontario Regulation
PTTW water	Permit to Take Water – Permit which allows water taking from groundwater or surface
RW	Raw Water
TC	Total Coliforms
TSS	Total Suspended Solids
Turbidity	Cloudiness or haziness of water
TW	Treated Water



Appendix A

Raw Water Flows

Ontario Clean Water Agency
Annual Water Taking and Transfer Report

From 1/30/2024 To 12/31/2024

Facility: ECHO BAY DRINKING WATER SYSTEM - 5057
 Tag: Flow: Sum(m³/d)
 Tag Group: RW

Permit#: 0256-A4JQAR	Coordinate Zone: 16
Source Name: Lake George (St. Mary's River)	Easting: 722981
Source: Lake	Northing: 5152672
Type:	Method deter: Metered
Purpose: Municipal	

Date Measured	Value (m ³ /d)	Value(Liters)
30/01/2024	215.3000	215300.0031
31/01/2024	153.6000	153600.0061
01/02/2024	200.5000	200500.0000
02/02/2024	201.9000	201899.9939
03/02/2024	236.6000	236600.0061
04/02/2024	201.0000	201000.0000
05/02/2024	188.6000	188600.0061
06/02/2024	257.7000	257700.0122
07/02/2024	130.7000	130699.9969
08/02/2024	199.8000	199800.0031
09/02/2024	202.0000	202000.0000
10/02/2024	239.6000	239600.0061
11/02/2024	253.3000	253300.0031
12/02/2024	164.1000	164100.0061
13/02/2024	210.6000	210600.0061
14/02/2024	153.1000	153100.0061
15/02/2024	210.5000	210500.0000
16/02/2024	217.4000	217399.9939
17/02/2024	209.8000	209800.0031
18/02/2024	216.6000	216600.0061
19/02/2024	180.9000	180899.9939
20/02/2024	216.2000	216199.9969
21/02/2024	197.4000	197399.9939
22/02/2024	247.7000	247699.9969
23/02/2024	134.7000	134699.9969
24/02/2024	226.2000	226199.9969
25/02/2024	229.9000	229899.9939
26/02/2024	213.1000	213100.0061
27/02/2024	174.8000	174800.0031
28/02/2024	217.4000	217399.9939
29/02/2024	208.5000	208500.0000

Permit#: 0256-A4JQAR
Source Name: Lake George (St. Mary's River)
Source: Lake
Type:
Purpose: Municipal

Coordinate Zone: 16
Easting: 722981
Northing: 5152672
Method deter: Metered

Date Measured	Value (m³/d)	Value(Liters)
01/03/2024	211.6000	211600.0061
02/03/2024	208.9000	208899.9939
03/03/2024	198.4000	198399.9939
04/03/2024	188.3000	188300.0031
05/03/2024	217.6000	217600.0061
06/03/2024	217.4000	217399.9939
07/03/2024	154.8000	154800.0031
08/03/2024	200.5000	200500.0000
09/03/2024	232.0000	232000.0000
10/03/2024	224.1000	224100.0061
11/03/2024	173.4000	173399.9939
12/03/2024	227.2000	227199.9969
13/03/2024	224.6000	224600.0061
14/03/2024	174.2000	174199.9969
15/03/2024	184.5000	184500.0000
16/03/2024	189.0000	189000.0000
17/03/2024	281.6000	281600.0061
18/03/2024	187.4000	187399.9939
19/03/2024	226.0000	226000.0000
20/03/2024	213.6000	213600.0061
21/03/2024	217.1000	217100.0061
22/03/2024	156.9000	156899.9939
23/03/2024	238.9000	238899.9939
24/03/2024	216.7000	216699.9969
25/03/2024	177.4000	177399.9939
26/03/2024	201.7000	201699.9969
27/03/2024	235.5000	235500.0000
28/03/2024	217.6000	217600.0061
29/03/2024	227.9000	227899.9939
30/03/2024	216.3000	216300.0031
31/03/2024	223.0000	223000.0000
01/04/2024	225.8000	225800.0031
02/04/2024	160.0000	160000.0000
03/04/2024	194.3000	194300.0031
04/04/2024	200.8000	200800.0031
05/04/2024	219.6000	219600.0061
06/04/2024	225.9000	225899.9939
07/04/2024	252.8000	252800.0031
08/04/2024	217.2000	217199.9969
09/04/2024	126.7000	126699.9969
10/04/2024	250.0000	250000.0000

Permit#: 0256-A4JQAR
Source Name: Lake George (St. Mary's River)
Source: Lake
Type:
Purpose: Municipal

Coordinate Zone: 16
Easting: 722981
Northing: 5152672
Method deter: Metered

Date Measured	Value (m³/d)	Value(Liters)
11/04/2024	207.3000	207300.0031
12/04/2024	166.1000	166100.0061
13/04/2024	235.9000	235899.9939
14/04/2024	231.2000	231199.9969
15/04/2024	184.1000	184100.0061
16/04/2024	181.4000	181399.9939
17/04/2024	206.3000	206300.0031
18/04/2024	167.9000	167899.9939
19/04/2024	192.4000	192399.9939
20/04/2024	200.5000	200500.0000
21/04/2024	124.0000	124000.0000
22/04/2024	232.3000	232300.0031
23/04/2024	202.4000	202399.9939
24/04/2024	161.1000	161100.0061
25/04/2024	199.5000	199500.0000
26/04/2024	182.7000	182699.9969
27/04/2024	232.1000	232100.0061
28/04/2024	207.7000	207699.9969
29/04/2024	243.5000	243500.0000
30/04/2024	150.6000	150600.0061
01/05/2024	161.4000	161399.9939
02/05/2024	201.8000	201800.0031
03/05/2024	155.3000	155300.0031
04/05/2024	210.9000	210899.9939
05/05/2024	183.1000	183100.0061
06/05/2024	197.8000	197800.0031
07/05/2024	155.3000	155300.0031
08/05/2024	217.4000	217399.9939
09/05/2024	168.1000	168100.0061
10/05/2024	199.6000	199600.0061
11/05/2024	225.4000	225399.9939
12/05/2024	228.6000	228600.0061
13/05/2024	123.9000	123900.0015
14/05/2024	230.3000	230300.0031
15/05/2024	171.4000	171399.9939
16/05/2024	194.2000	194199.9969
17/05/2024	164.5000	164500.0000
18/05/2024	214.7000	214699.9969
19/05/2024	197.2000	197199.9969
20/05/2024	318.7000	318700.0122
21/05/2024	217.9000	217899.9939

Permit#: 0256-A4JQAR
Source Name: Lake George (St. Mary's River)
Source: Lake
Type:
Purpose: Municipal

Coordinate Zone: 16
Easting: 722981
Northing: 5152672
Method deter: Metered

Date Measured	Value (m³/d)	Value(Liters)
22/05/2024	191.1000	191100.0061
23/05/2024	252.7000	252699.9969
24/05/2024	173.6000	173600.0061
25/05/2024	242.8000	242800.0031
26/05/2024	229.0000	229000.0000
27/05/2024	162.0000	162000.0000
28/05/2024	171.3000	171300.0031
29/05/2024	209.3000	209300.0031
30/05/2024	227.4000	227399.9939
31/05/2024	246.1000	246100.0061
01/06/2024	274.7000	274700.0122
02/06/2024	255.0000	255000.0000
03/06/2024	217.1000	217100.0061
04/06/2024	192.8000	192800.0031
05/06/2024	211.6000	211600.0061
06/06/2024	163.4000	163399.9939
07/06/2024	221.3000	221300.0031
08/06/2024	200.8000	200800.0031
09/06/2024	214.2000	214199.9969
10/06/2024	120.8000	120800.0031
11/06/2024	204.0000	204000.0000
12/06/2024	225.7000	225699.9969
13/06/2024	210.2000	210199.9969
14/06/2024	209.1000	209100.0061
15/06/2024	288.6000	288600.0061
16/06/2024	218.3000	218300.0031
17/06/2024	251.7000	251699.9969
18/06/2024	161.7000	161699.9969
19/06/2024	161.5000	161500.0000
20/06/2024	208.7000	208699.9969
21/06/2024	215.1000	215100.0061
22/06/2024	286.1000	286100.0061
23/06/2024	295.1000	295100.0061
24/06/2024	132.5000	132500.0000
25/06/2024	144.0000	144000.0000
26/06/2024	202.7000	202699.9969
27/06/2024	161.2000	161199.9969
28/06/2024	228.4000	228399.9939
29/06/2024	158.8000	158800.0031
30/06/2024	174.4000	174399.9939
01/07/2024	197.7000	197699.9969

Permit#: 0256-A4JQAR
Source Name: Lake George (St. Mary's River)
Source: Lake
Type:
Purpose: Municipal

Coordinate Zone: 16
Easting: 722981
Northing: 5152672
Method deter: Metered

Date Measured	Value (m³/d)	Value(Liters)
02/07/2024	82.0000	82000.0000
03/07/2024	230.4000	230399.9939
04/07/2024	156.4000	156399.9939
05/07/2024	203.0000	203000.0000
06/07/2024	189.7000	189699.9969
07/07/2024	232.8000	232800.0031
08/07/2024	105.7000	105699.9969
09/07/2024	159.6000	159600.0061
10/07/2024	233.2000	233199.9969
11/07/2024	184.4000	184399.9939
12/07/2024	208.7000	208699.9969
13/07/2024	233.2000	233199.9969
14/07/2024	194.9000	194899.9939
15/07/2024	93.4000	93400.0015
16/07/2024	208.5000	208500.0000
17/07/2024	184.2000	184199.9969
18/07/2024	206.3000	206300.0031
19/07/2024	187.7000	187699.9969
20/07/2024	230.6000	230600.0061
21/07/2024	215.9000	215899.9939
22/07/2024	245.8000	245800.0031
23/07/2024	206.0000	206000.0000
24/07/2024	149.1000	149100.0061
25/07/2024	172.3000	172300.0031
26/07/2024	223.2000	223199.9969
27/07/2024	160.2000	160199.9969
28/07/2024	219.1000	219100.0061
29/07/2024	160.7000	160699.9969
30/07/2024	196.3000	196300.0031
31/07/2024	275.4000	275399.9939
01/08/2024	184.2000	184199.9969
02/08/2024	254.6000	254600.0061
03/08/2024	153.0000	153000.0000
04/08/2024	231.9000	231899.9939
05/08/2024	226.8000	226800.0031
06/08/2024	47.9000	47900.0015
07/08/2024	174.9000	174899.9939
08/08/2024	78.2000	78199.9969
09/08/2024	109.1000	109099.9985
10/08/2024	235.6000	235600.0061
11/08/2024	206.4000	206399.9939

Permit#: 0256-A4JQAR
Source Name: Lake George (St. Mary's River)
Source: Lake
Type:
Purpose: Municipal

Coordinate Zone: 16
Easting: 722981
Northing: 5152672
Method deter: Metered

Date Measured	Value (m³/d)	Value(Liters)
12/08/2024	107.5000	107500.0000
13/08/2024	163.1000	163100.0061
14/08/2024	202.2000	202199.9969
15/08/2024	154.2000	154199.9969
16/08/2024	410.1000	410100.0061
17/08/2024	538.1000	538099.9756
18/08/2024	352.0000	352000.0000
19/08/2024	216.3000	216300.0031
20/08/2024	50.6000	50599.9985
21/08/2024	185.8000	185800.0031
22/08/2024	162.6000	162600.0061
23/08/2024	216.1000	216100.0061
24/08/2024	221.0000	221000.0000
25/08/2024	220.7000	220699.9969
26/08/2024	220.0000	220000.0000
27/08/2024	329.0000	329000.0000
28/08/2024	167.3000	167300.0031
29/08/2024	193.1000	193100.0061
30/08/2024	162.0000	162000.0000
31/08/2024	203.1000	203100.0061
01/09/2024	212.2000	212199.9969
02/09/2024	242.7000	242699.9969
03/09/2024	129.6000	129600.0061
04/09/2024	201.8000	201800.0031
05/09/2024	193.2000	193199.9969
06/09/2024	163.4000	163399.9939
07/09/2024	215.9000	215899.9939
08/09/2024	205.7000	205699.9969
09/09/2024	187.3000	187300.0031
10/09/2024	135.0000	135000.0000
11/09/2024	195.8000	195800.0031
12/09/2024	219.9000	219899.9939
13/09/2024	219.4000	219399.9939
14/09/2024	244.6000	244600.0061
15/09/2024	227.9000	227899.9939
16/09/2024	237.8000	237800.0031
17/09/2024	164.8000	164800.0031
18/09/2024	191.1000	191100.0061
19/09/2024	219.0000	219000.0000
20/09/2024	214.9000	214899.9939
21/09/2024	215.5000	215500.0000

Permit#: 0256-A4JQAR
Source Name: Lake George (St. Mary's River)
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Type:
Purpose: Municipal

Coordinate Zone: 16
Easting: 722981
Northing: 5152672
Method deter: Metered

Date Measured	Value (m³/d)	Value(Liters)
22/09/2024	235.1000	235100.0061
23/09/2024	186.5000	186500.0000
24/09/2024	164.7000	164699.9969
25/09/2024	207.8000	207800.0031
26/09/2024	195.9000	195899.9939
27/09/2024	187.7000	187699.9969
28/09/2024	190.9000	190899.9939
29/09/2024	209.8000	209800.0031
30/09/2024	158.8000	158800.0031
01/10/2024	238.4000	238399.9939
02/10/2024	176.7000	176699.9969
03/10/2024	250.3000	250300.0031
04/10/2024	184.4000	184399.9939
05/10/2024	211.1000	211100.0061
06/10/2024	221.2000	221199.9969
07/10/2024	193.1000	193100.0061
08/10/2024	166.9000	166899.9939
09/10/2024	211.2000	211199.9969
10/10/2024	249.6000	249600.0061
11/10/2024	204.6000	204600.0061
12/10/2024	215.9000	215899.9939
13/10/2024	214.4000	214399.9939
14/10/2024	166.1000	166100.0061
15/10/2024	152.0000	152000.0000
16/10/2024	218.9000	218899.9939
17/10/2024	204.1000	204100.0061
18/10/2024	168.2000	168199.9969
19/10/2024	233.7000	233699.9969
20/10/2024	205.6000	205600.0061
21/10/2024	199.6000	199600.0061
22/10/2024	218.5000	218500.0000
23/10/2024	131.9000	131899.9939
24/10/2024	211.2000	211199.9969
25/10/2024	196.4000	196399.9939
26/10/2024	216.6000	216600.0061
27/10/2024	215.6000	215600.0061
28/10/2024	156.7000	156699.9969
29/10/2024	209.5000	209500.0000
30/10/2024	279.2000	279200.0122
31/10/2024	179.4000	179399.9939
01/11/2024	189.2000	189199.9969

Permit#: 0256-A4JQAR
Source Name: Lake George (St. Mary's River)
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Type:
Purpose: Municipal

Coordinate Zone: 16
Easting: 722981
Northing: 5152672
Method deter: Metered

Date Measured	Value (m³/d)	Value(Liters)
02/11/2024	220.9000	220899.9939
03/11/2024	191.6000	191600.0061
04/11/2024	173.0000	173000.0000
05/11/2024	195.4000	195399.9939
06/11/2024	204.2000	204199.9969
07/11/2024	186.5000	186500.0000
08/11/2024	188.5000	188500.0000
09/11/2024	215.1000	215100.0061
10/11/2024	198.5000	198500.0000
11/11/2024	209.6000	209600.0061
12/11/2024	182.4000	182399.9939
13/11/2024	190.0000	190000.0000
14/11/2024	238.6000	238600.0061
15/11/2024	208.0000	208000.0000
16/11/2024	198.5000	198500.0000
17/11/2024	213.5000	213500.0000
18/11/2024	127.9000	127900.0015
19/11/2024	206.7000	206699.9969
20/11/2024	207.8000	207800.0031
21/11/2024	186.9000	186899.9939
22/11/2024	227.7000	227699.9969
23/11/2024	197.4000	197399.9939
24/11/2024	206.1000	206100.0061
25/11/2024	177.6000	177600.0061
26/11/2024	211.7000	211699.9969
27/11/2024	192.2000	192199.9969
28/11/2024	151.0000	151000.0000
29/11/2024	217.9000	217899.9939
30/11/2024	211.4000	211399.9939
01/12/2024	208.2000	208199.9969
02/12/2024	196.1000	196100.0061
03/12/2024	176.6000	176600.0061
04/12/2024	214.6000	214600.0061
05/12/2024	196.1000	196100.0061
06/12/2024	202.2000	202199.9969
07/12/2024	220.5000	220500.0000
08/12/2024	221.5000	221500.0000
09/12/2024	187.6000	187600.0061
10/12/2024	152.4000	152399.9939
11/12/2024	224.0000	224000.0000
12/12/2024	392.9000	392899.9939

Permit#: 0256-A4JQAR
Source Name: Lake George (St. Mary's River)
Source: Lake
Type:
Purpose: Municipal

Coordinate Zone: 16
Easting: 722981
Northing: 5152672
Method deter: Metered

Date Measured	Value (m³/d)	Value(Liters)
13/12/2024	285.5000	285500.0000
14/12/2024	279.2000	279200.0122
15/12/2024	343.2000	343200.0122
16/12/2024	378.1000	378100.0061
17/12/2024	242.4000	242399.9939
18/12/2024	215.6000	215600.0061
19/12/2024	212.8000	212800.0031
20/12/2024	251.2000	251199.9969
21/12/2024	237.9000	237899.9939
22/12/2024	201.5000	201500.0000
23/12/2024	191.6000	191600.0061
24/12/2024	283.9000	283899.9939
25/12/2024	233.0000	233000.0000
26/12/2024	227.7000	227699.9969
27/12/2024	79.2000	79199.9969
28/12/2024	240.2000	240199.9969
29/12/2024	248.2000	248199.9969
30/12/2024	147.8000	147800.0031
31/12/2024	237.1000	237100.0061