



OXENDEN DISTRIBUTION SYSTEM

PERFORMANCE REPORT

**For the period of
JANUARY 1, 2023 to OCTOBER 31, 2023**

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Ontario Clean Water Agency
Agence Ontarienne Des Eaux

1. Process Performance & Regulatory Compliance

1.1 Summary of Non-Compliances & AWQIs

From **January 2023** to **October 2023**:

- Number of Non-Compliances = **0**
- Number of Adverse Water Quality Incidents (AWQIs) = **0**

The table below summarizes Oxenden DS performance in accordance with the regulatory limits set out in:

- Municipal Drinking Water License (MDWL) 083-103, (Issue: 3) (expires August 13, 2026)
- Ontario Regulation 170/03

2023	Non-Compliances	AWQIs
January	0	0
February	0	0
March	0	0
April	0	0
May	0	0
June	0	0
July	0	0
August	0	0
September	0	0
October	0	0
November		
December		

Description of Non-Compliances

The following is a summary of the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water license, and any orders applicable to the system that were not met at any time during the time period covered by this report; as well as the duration of the failure and the measures that were taken to correct the failure:

Non-Compliance(s)	Duration	Required Actions & Corrective Actions
n/a	n/a	n/a

Description of AWQIs

The following contains details on 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 the Spills Action Centre:

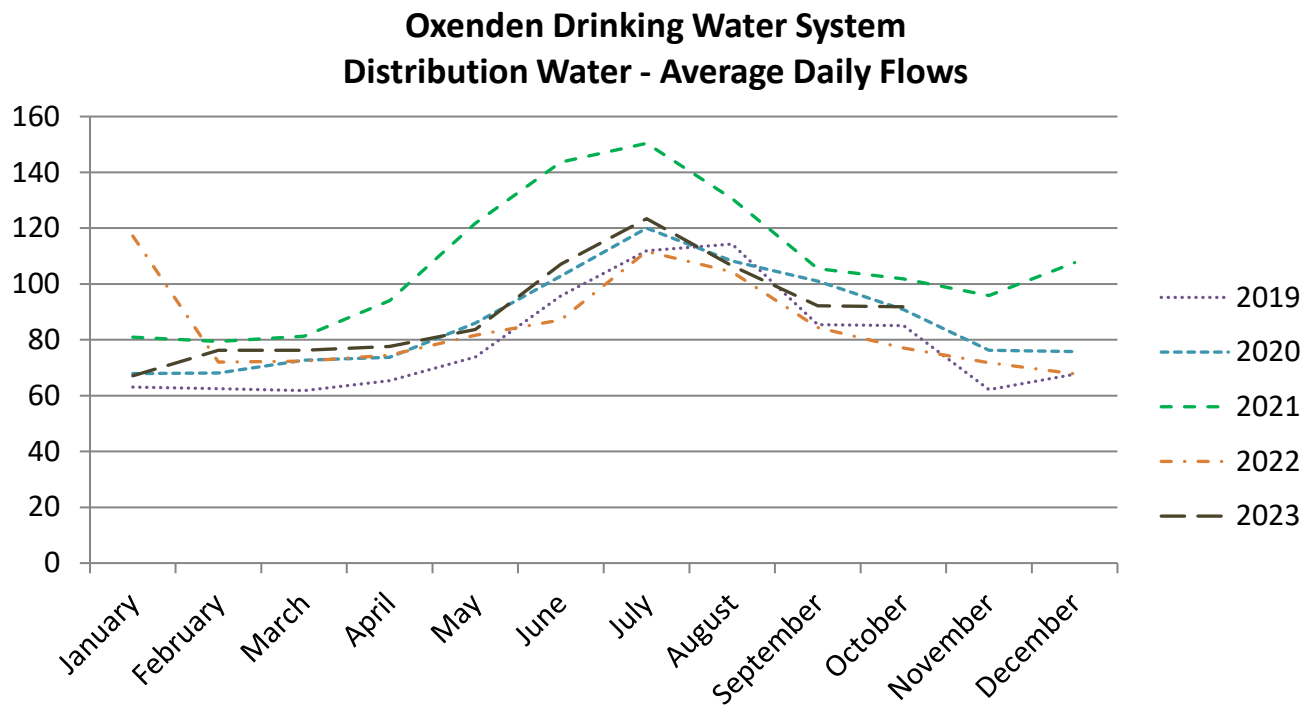
Date of Incident	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
n/a	n/a	n/a	n/a	n/a	n/a

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1.1.1 Flow

Distribution Water

2023	Average Flow (m ³ /d)	Maximum Flow (m ³ /d)
January	67.1	76.0
February	76.3	121.8
March	76.3	152.5
April	77.6	97.6
May	83.7	111.0
June	107.1	162.5
July	123.4	166.0
August	106.5	125.9
September	92.2	128.8
October	91.8	118.1
November		
December		



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1.1.2 Water Quality

Microbiological Testing

Distribution Water

2023	# of Samples	E. Coli (0 cfu/100mL)			Total Coliforms (0 cfu/100mL)		
		Min.	Max.	Within Limits?	Min.	Max.	Within Limits?
January	10	0	0	Yes	0	0	Yes
February	8	0	0	Yes	0	0	Yes
March	8	0	0	Yes	0	0	Yes
April	8	0	0	Yes	0	0	Yes
May	10	0	0	Yes	0	0	Yes
June	8	0	0	Yes	0	0	Yes
July	10	0	0	Yes	0	0	Yes
August	8	0	0	Yes	0	0	Yes
September	8	0	0	Yes	0	0	Yes
October	10	0	0	Yes	0	0	Yes
November							
December							

	HPC** (cfu/1mL)			
	# of Samples	Min.	Max.	Within Limits?
January	5	0	2	n/a
February	4	0	3	n/a
March	4	0	0	n/a
April	4	0	0	n/a
May	5	0	0	n/a
June	4	0	1	n/a
July	5	0	1	n/a
August	4	0	0	n/a
September	4	0	0	n/a
October	5	0	0	n/a
November				
December				

**There is no regulatory limit for Heterotrophic Plate Count (HPC); it is used as an indicator test. At least 25% of distribution samples must be tested for Heterotrophic Plate Count (HPC).

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Operational Testing: Free Chlorine Residual

2023	Minimum (mg/L)	Maximum (mg/L)	Within Limits? (>0.05 mg/L)
January	0.38	1.23	Yes
February	0.75	1.23	Yes
March	0.97	1.28	Yes
April	0.70	1.32	Yes
May	0.69	1.24	Yes
June	0.66	1.20	Yes
July	0.55	1.17	Yes
August	0.46	1.03	Yes
September	0.43	1.05	Yes
October	0.41	1.07	Yes
November			
December			

Chemical Testing

Distribution Water: Trihalomethanes (THMs) (Quarterly)

2023	Concentration (μg/L)	Running Annual Average (μg/L)	Within Limits? (100μg/L)
January	37	40.8	Yes
February	-	-	-
March	-	-	-
April	34	41.3	Yes
May	-	-	-
June	-	-	-
July	41	40.5	Yes
August	-	-	-
September	-	-	-
October	81	48.3	Yes
November	-	-	-
December	-	-	-

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Distribution Water: Haloacetic Acids (HAAs) (Quarterly)

2023	Concentration (µg/L)	Running Annual Average (µg/L)	Within Limits? (80 ug/L)
January	21.4	18.8	Yes
February	-	-	-
March	-	-	-
April	16.5	19.0	Yes
May	-	-	-
June	-	-	-
July	19.0	18.7	Yes
August	-	-	-
September	-	-	-
October	20.5	19.4	
November	-	-	-
December	-	-	-

Distribution Water: Lead, pH and Alkalinity (Semi-Annual)

Semi-Annual sampling is required to be completed twice a year; once in the period from December 15th to April 15th and once in the period June 15th to October 15th for lead, pH and Alkalinity.

	# of Samples	Lead (µg/l)			pH			Alkalinity (mg/L)		
		Min	Max	Within Limits? (10 µg/L)	Min	Max	Within Limits?	Min	Max	Within Limits? (30- 500 mg/L)
January	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-
March	2	0.11	0.66	Yes	7.77	7.93	Yes	74	76	Yes
April	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-
June	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-
August	-	-	-	-	-	-	-	-	-	-
September	2	0.09	0.33	Yes	8.14	8.19	Yes	72	72	Yes
October	-	-	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	-	-

1.2 Reporting

A summary of the reports submitted by OCWA to/on behalf of the Township are summarized in the table below:

Report	Submission Frequency	Submit To	Submission Date
Annual Report (Section 11)	Annually	Owner	February 28, 2023
Summary Report (Schedule 22)	Annually	Owner	February 28, 2023

1.2.1 Annual Report (Section 11)

As required by Section 11 of O. Reg 170/03, OCWA prepares a report for the Township that covers the period from January 1 to December 31 by no later than February 28 of the following year. The annual report must:

- contain a brief description of the drinking water system, including a list of water treatment chemicals used by the system during the period covered by the report;
- summarize any reports made to the Ministry under subsection 18 (1) of the Act or section 16-4 of Schedule 16 during the period covered by the report;
- summarize the results of tests required under this Regulation, or under an approval, municipal drinking water licence or order, including an OWRA order, during the period covered by the report and, if tests required under this Regulation in respect of a parameter were not required during that period, summarize the most recent results of tests of that parameter;
- describe any corrective actions taken under Schedule 17 or 18 during the period covered by the report;
- describe any major expenses incurred during the period covered by the report to install, repair or replace required equipment;
- in the case of a large municipal residential system or a small municipal residential system, include a statement of where a report prepared under Schedule 22 will be available for inspection under subsection 12 (4); and
- in the case of a large municipal residential system, small municipal residential system or non-municipal year-round residential system, specify the number of points sampled during the periods described in subsection 15.1-4 (2) or subsection 15.1-5 (5) of Schedule 15.1 to the Regulation, the number of samples taken, and the number of points where a sample exceeded the prescribed standard for lead during those periods. O. Reg. 170/03, s. 11 (6); O. Reg. 418/09, s. 8; O. Reg. 458/16, s. 6 (1).

“The owner of a drinking water system shall ensure that a copy of an annual report for the system is given, without charge, to every person who requests a copy. If a drinking water system is connected to and receives all of its drinking water from another drinking water system, the owner of the system that obtains the water shall ensure that a copy of an annual report for the system from which the water is obtained is given, without charge, to every person who requests a copy. Every time that an annual report is prepared for a drinking water system, the owner of the system shall ensure that effective steps are taken to advise users of water from the system that copies of the report are available, without charge, and of how a copy may be obtained. If the DWS serves more than 10,000 people, the owner of the system shall ensure that a copy of every report prepared under this section is available to the public at no charge on a website on the Internet.”

1.2.2 Summary Report (Schedule 22)

As required by Schedule 22 of O. Reg 170/03 OCWA prepares a report on behalf of the Township by no later than March 31 each year for the preceding year. This report is to be given to members of council.

“The report must,

- a) List the requirements of the Act, the regulations, the system’s approval, drinking water works permit, municipal drinking water licence, and any orders applicable to the system that were not met at any time during the period covered by the report; and
- b) For each requirement referred to that was not met, specify the duration of the failure and the measures that were taken to correct the failure.

The report must also include the following information for the purpose of enabling the owner of the system to assess the capability of the system to meet existing and planned uses of the system:

1. 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.
2. A comparison of the summary referred to in paragraph 1 to the rated capacity and flow rates approved in the system’s approval, drinking water works permit or municipal drinking water licence, or if the system is receiving all of its water from another system under an agreement pursuant to subsection 5 (4), to the flow rates specified in the written agreement.”

1.3 Third Party Inspections & Results

The most recent MECP inspection was performed on **August 24, 2023**. The inspection report was received on September 21, 2023 with an inspection rating of **100%**.

1.4 Drinking Water Quality Management Standard (DWQMS)

Refer to Section 1.4 in the Shallow Lake DWS Performance Report for the reporting period for more information.

1.4.1 Risk Assessment

Refer to Section 1.4.1 in the Shallow Lake DWS Performance Report for the reporting period for more information.

1.4.2 Review & Provision of Infrastructure

Refer to Section 1.4.2 in the Shallow Lake DWS Performance Report for the reporting period for more information.

1.4.3 Internal Audits

Refer to Section 1.4.3 in the Shallow Lake DWS Performance Report for the reporting period for more information.

1.4.4 External Audits

Refer to Section 1.4.4 in the Shallow Lake DWS Performance Report for the reporting period for more information.

1.4.5 Management Review

Refer to Section 1.4.5 in the Shallow Lake DWS Performance Report for the reporting period for more information.

2. Operations & Maintenance

2.1 Major & Unscheduled Maintenance

January

12: Locates completed at 137 Sunset Blvd and 214 Old Mill Rd

February

23: Flushed hydrant on Grandore St E

March

02: Fire department taking water

14: Flow meter verification

April

06: Locate completed for 119 Lake Rd

May

No major or unscheduled maintenance during this time period. All scheduled maintenance completed.

June

No major or unscheduled maintenance during this time period. All scheduled maintenance completed.

July

No major or unscheduled maintenance during this time period. All scheduled maintenance completed.

August

No major or unscheduled maintenance during this time period. All scheduled maintenance completed.

September

26: Water tie-in on Wilson Dr. inspected and flushed

28: Flushed at Zion Rd.

October

No major or unscheduled maintenance during this time period. All scheduled maintenance completed.

2.2 Call-Ins

January

There were no call-ins for this month.

February

There were no call-ins for this month.

March

There were no call-ins for this month.

April

There were no call-ins for this month.

May

There were no call-ins for this month.

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June

There were no call-ins for this month.

July

There were no call-ins for this month.

August

There were no call-ins for this month.

September

There were no call-ins for this month.

October

There were no call-ins for this month.

2.3 Community Complaints

January

There were no complaints or public inquiries reported to OCWA staff during this month.

February

There were no complaints or public inquiries reported to OCWA staff during this month.

March

There were no complaints or public inquiries reported to OCWA staff during this month.

April

There were no complaints or public inquiries reported to OCWA staff during this month.

May

There were no complaints or public inquiries reported to OCWA staff during this month.

June

There were no complaints or public inquiries reported to OCWA staff during this month.

July

26: Investigated water pressure complaint at 502007 Grey Road 1. Pressure (PSI): Hydrant 18 = 41-42 PSI (Before house), at 502007 Grey road 1 = 40-42 PSI, hydrant 19 = 40-42 PSI (After house).

August

There were no complaints or public inquiries reported to OCWA staff during this month.

September

There were no complaints or public inquiries reported to OCWA staff during this month.

October

There were no complaints or public inquiries reported to OCWA staff during this month.

3. Health & Safety

3.1 Incidents

- Number of Health & Safety Incidents Reported = 0

2023	Health & Safety Incidents	
	# Reported	Details
January	0	n/a
February	0	n/a
March	0	n/a
April	0	n/a
May	0	n/a
June	0	n/a
July	0	n/a
August	0	n/a
September	0	n/a
October	0	n/a
November		
December		

3.2 Training

Refer to the Shallow Lake DWS Performance Report for this safety topics/training provided to staff during this reporting period.