



Union Water Supply System Inc.

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SENT BY: EMAIL
February 13, 2026

Municipality of Leamington
111 Erie St. N.
Leamington, Ontario
N8H 2Z9
Attention: Peter Neufeld, Chief Administrative Officer

Town of Kingsville
2021 Division Road North
Kingsville, Ontario
N9Y 2Y9
Attention: John Norton, Chief Administrative Officer

Town of Essex
33 Talbot Street South
Essex, Ontario
N8M 1A8
Attention: Kate Giurissevich, Chief Administrative Officer

Municipality of Lakeshore
419 Notre Dame Street
Belle River, Ontario
N8L 0P8
Attention: Justin Rousseau, Interim Chief Administrative Officer

**RE: Union Water Supply System Inc. Summary Report (2025) Requirement Under Schedule 22
Reg. 170/03**

At its meeting on February 25th, 2026, the Union Water Supply System (UWSS) Inc. Board of Directors will receive the UWSS's Summary Report prepared in accordance with a requirement under Ontario Reg. 170/03. By this letter and as required by O. Reg. 170/03 I am providing the owners of the drinking water systems that obtain water from the UWSS with a copy of the UWSS Summary Report.

I request that you do the following:

1. Provide each member of your municipal council with the report on or before March 31, 2026.

2. Provide a copy of the report to anyone who requests it, free of charge (Section 11 (8) O. Reg. 170/03) (Copies will also be made available free of charge at the Ruthven WTP).
3. Post a copy of the report on your municipal website (Section 11(10), O. Reg. 170/03).
4. Include a notice that the report is available at your municipal office and at the Ruthven Water Treatment Plant in any newsletter or other notice that you issue to your residents (Section 11(9.1) O. Reg. 170/03).

Please call me if you have any questions.

Yours truly,



Rodney Bouchard, CEO
Union Water Supply System Inc.

kmj

CC: Robert Sharon, Shannon Belleau, Nelson Carvalho, Shaun Martinho, Erica Allen, Kyle Davis, Rob Mackie, Kevin Girard, Jason Barlow, Krystal Kalbol, Dale Dillen, Ken Penney, Sandra Reaume, Dave Jubenville

2025

Summary Report

**Union Water
Supply System Inc.**



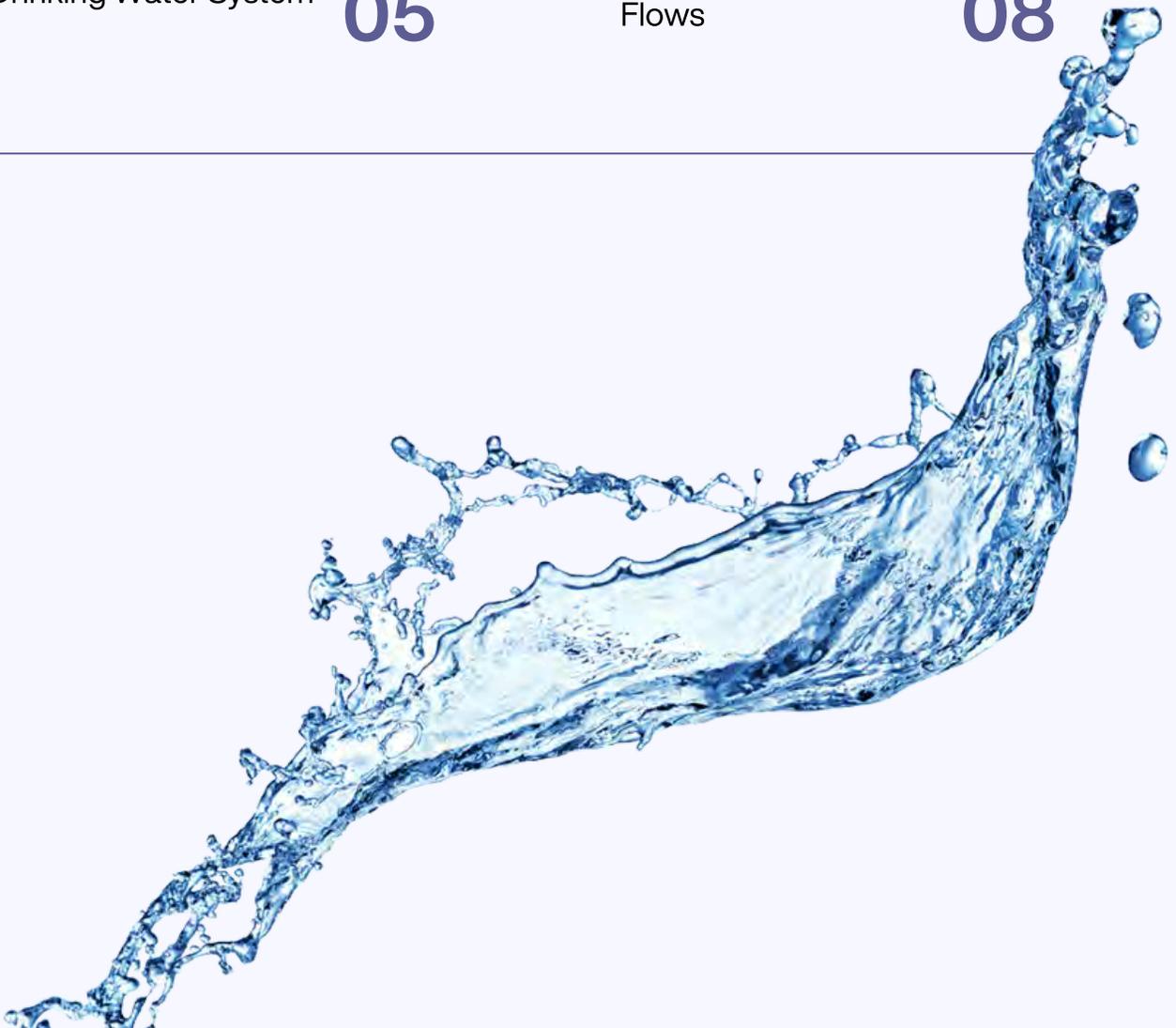


UWSS Inc.

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01. EXECUTIVE SUMMARY

The 2025 Summary Report is required to be prepared as per Schedule 22 of O. Reg. 170/03 under the Safe Drinking Water Act. The report is prepared for the preceding year and must be completed and provided to the UWSS Inc. Board of Directors and to the councils of the UWSS Inc. shareholder municipalities prior to March 31st of the following year.

The UWSS and its shareholder municipalities were in compliance with all requirements of Ontario Drinking Water legislation and regulations in 2025, except for the noted occurrences in the Summary Report.

The Summary Report also contains a summary of quantities and flow rates of water supplied to our shareholders, which allows for clear assessment of water demand and needs.

REPORTING REQUIREMENTS FOR THE SUMMARY REPORT:

- Any requirements of the regulations made under the Safe Drinking Water Act, 2002 that the system failed to meet in 2025
- Any condition of the drinking water system's drinking water works permit (DWWP) or municipal drinking water license (MDWL) that the system failed to meet during 2025
- Any order that the system failed to meet in 2025, the duration of any such failure and any measures that were taken to correct such failure.
- A summary of the quantities and flow rates of water supplied by the drinking-water system by monthly average and maximum daily flow rates and instantaneous peak flow rates.
- A comparison of actual flow rates with rated capacity and flow rates in the systems approval

A drinking-water system that supplies water to another drinking water system must provide a copy of the Summary Report to that system's owner by March 31st of the year following the year covered in the Summary Report.

The sections below detail the occasions on which the UWSS and the connected municipal water systems failed to meet the requirements of the Safe Drinking Water Act 2002, associated regulations, system approvals and provincial officer orders in 2025.

02. COMPLIANCE

The UWSS complied with the requirements of the Act, the regulations, and the conditions of all licenses and permits for a Municipal Drinking Water System (MDWL). Any failures in this area are detailed in this section. These events did not affect drinking water quality and were administrative in nature. At no time was there any risk to drinking water quality or public health.

UNION WATER SUPPLY SYSTEM INC (UWSS)

The following provides details of occurrences where the UWSS was not in compliance with the requirements of the Safe Drinking Water Act 2002, associated regulations, system approvals and provincial officer orders.

Non-Compliance Item:

There were twelve instances of non-compliances or Adverse Water Quality Incidents (AWQIs) identified for the portion of the Union Water Supply System:

- Twelve (12) notifications were reported that UWSS had non-compliances with their Municipal Drinking Water License (MDWL), wherein their total chlorine residual for the lagoon discharge was running above the MDWL Performance Limit. UWSS retained Associated Engineering (AE) to design a dechlorination system to resolve this issue. The MECP was satisfied with UWSS's retention of AE to complete this upgrade for dechlorination. This project was completed near the end of October 2025. Preliminary results indicate that the dechlorination system is effectively addressing the chlorine residual issue.

ESSEX DISTRIBUTION SYSTEM

Non-Compliance Item:

There were no instances of non-compliances or Adverse Water Quality Incidents (AWQIs) identified for the portion of the Essex Distribution System that is supplied by the Union Water Supply System.

KINGSVILLE DISTRIBUTION SYSTEM

Non-Compliance Item:

There were no instances of non-compliances or Adverse Water Quality Incidents (AWQIs) identified for the portion of the Kingsville Distribution System that is supplied by the Union Water Supply System.

LAKESHORE DISTRIBUTION SYSTEM

Non-Compliance Item:

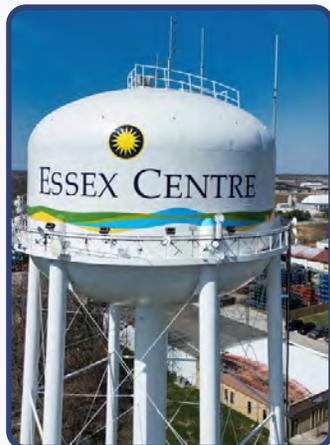
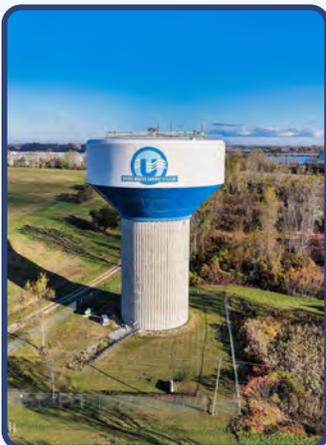
There were no instances of non-compliances or Adverse Water Quality Incidents (AWQIs) identified for the portion of the Lakeshore Distribution System that is supplied by the Union Water Supply System.

LEAMINGTON DISTRIBUTION SYSTEM

Non-Compliance Item:

There was one (1) instance of non-compliance or Adverse Water Quality Incidents (AWQIs) identified for the portion of the Leamington Distribution System that is supplied by the Union Water Supply System:

- Total of 3 coliforms on July 7th, from a BACTI sample at SS-L-08
 - A Boil Water Advisory (BWA) was called by the WECHU, notifications were hand delivered to the approximately 50 residents
 - AWQI was resolved on July 14th after two (2) sets of BACTI samples, taken 24 hours apart came back clean.



05. DRINKING WATER SYSTEM

SUMMARY OF THE QUANTITIES

The following sections provide information regarding the Union Water Supply System's Permit to Take Water (PTTW), issued under Ontario Regulation 387/04 and Drinking Water License issued under the Safe Drinking Water Act, 2002. Information includes the following:

- Flow Rates of Water
- Monthly Average
- Maximum Daily Flows
- Daily Instantaneous Peak Flow Rates

PERMIT TO TAKE WATER

The Union Water Supply System operated under Permit to Take Water (PTTW) Number 0816-9T9SVT, which was set to expire on January 31st, 2025. In a letter from the Ministry of Environment Conservation and Parks (MECP) dated January 23rd, 2025, an extension of the existing PTTW was granted until the PTTW renewal could be completed. UWSS Inc. was issued a new PTTW, No. 7785-DDVSXQ, on March 20th, 2025 with an expiration date of January 31st, 2035.

PTTW No. 7785-DDVSXQ, has the following flow conditions:

- Maximum Allowable Amount Taken per Minute (Litres/Min) 113,650
- Maximum Allowable Amount Taken Per Day (Litres/Day) 163,656,000

The maximum amounts of raw water taken during 2025 (see Table 1 below) are as follows:

- Maximum Amount Taken per Minute in 2025 (Litres/Min) 90,442
- Maximum Amount Taken Per Day in 2025 (Litres/Day) 113,939,200

The system did not exceed the PTTW limits in 2025.



DRINKING WATER LICENCE

The UWSS operates under Municipal Drinking Water Licence (MDWL) 041-101; issue Number 9 which has been issued for the period July 9, 2024 to July 8, 2029. The Certificate of Approval and licence had the following condition:

- The drinking water system shall not be operated to exceed 124,588 m³/d (27.4 MIGD) on any calendar day, conveyed from the treatment system to the distribution system.
- The maximum daily volume of water pumped into the distribution system was 101,987m³ (22,433 MIGD).

Tables 1A through 3B below provide the monthly average, maximum and peak flows for raw and treated water for the Union Water Supply System.



TABLE 1A

2025 RAW WATER TAKING FROM LAKE ERIE IN METRIC UNITS

	Maximum Allowed Flow Rate (m ³ /Day)	Average Flow (m ³ /Day)	Maximum Flow (m ³ /Day)	Maximum Flow (Litres/Day)	Maximum Allowed Flow Rate (Litres/Minute)	Peak Flow (Litres/Minute)
January	163,656	46,076	53,708	53,707,930	113,650	43,742
February	163,656	49,321	56,044	56,044,440	113,650	56,709
March	163,656	62,172	80,975	80,974,680	113,650	65,192
April	163,656	65,606	82,727	82,726,520	113,650	70,858
May	163,656	66,953	85,724	85,723,950	113,650	72,637
June	163,656	82,813	105,520	105,520,400	113,650	76,462
July	163,656	89,551	113,939	113,939,200	113,650	90,278
August	163,656	84,978	99,994	99,994,070	113,650	87,196
September	163,656	78,446	90,583	90,582,510	113,650	90,442
October	163,656	69,719	86,659	86,658,950	113,650	77,206
November	163,656	49,328	57,139	57,138,770	113,650	55,555
December	163,656	49,755	66,895	66,894,560	113,650	54,369

TABLE 1B

2025 RAW WATER TAKING FROM LAKE ERIE IN IMPERIAL UNITS

	Maximum Allowed Flow Rate (MGD)	Average Flow (MGD)	Maximum Flow (MGD)	Maximum Allowed Flow Rate (Gallons/Minute)	Peak Flow (Gallons/Minute)
January	36.00	10.14	11.81	25,000	9,622
February	36.00	10.85	12.33	25,000	12,474
March	36.00	13.68	17.81	25,000	14,340
April	36.00	14.43	18.20	25,000	15,587
May	36.00	14.73	18.86	25,000	15,978
June	36.00	18.22	23.21	25,000	16,819
July	36.00	19.70	25.06	25,000	19,858
August	36.00	18.69	22.00	25,000	19,180
September	36.00	17.26	19.93	25,000	19,895
October	36.00	15.34	19.06	25,000	16,983
November	36.00	10.85	12.57	25,000	12,220
December	36.00	10.94	14.71	25,000	11,960

TABLE 2A						
2025 TREATED WATER FLOW INTO DISTRIBUTION SYSTEM IN METRIC UNITS						
		Maximum Allowed Flow Rate (m3/Day)	Average Daily Flow (m3/Day)	Maximum Daily Flow (m3/Day)	Peak Instantaneous Flow (Litres/Second)	
	January	124,588	42,795	100,653	1,165	
	February	124,588	46,610	164,117	1,900	
	March	124,588	54,611	162,088	1,876	
	April	124,588	63,369	134,233	1,554	
	May	124,588	63,904	139,863	1,619	
	June	124,588	77,531	157,865	1,827	
	July	124,588	81,349	156,163	1,807	
	August	124,588	76,203	156,163	1,807	
	September	124,588	71,802	212,004	2,454	
	October	124,588	59,372	157,243	1,820	
	November	124,588	43,315	92,729	1,073	
	December	124,588	40,932	93,777	1,085	

TABLE 2B						
2025 TREATED WATER FLOW INTO DISTRIBUTION SYSTEM IN IMPERIAL UNITS						
		Maximum Allowed Flow Rate (MGD)	Average Daily Flow (MGD)	Maximum Daily Flow (MGD)	Peak Instantaneous Flow (Gallons/Second)	
	January	27.4	9.41	22.14	256	
	February	27.4	10.25	36.11	418	
	March	27.4	12.01	35.66	413	
	April	27.4	13.94	29.53	342	
	May	27.4	14.06	30.77	356	
	June	27.4	17.06	34.73	402	
	July	27.4	17.90	34.36	398	
	August	27.4	16.76	34.36	398	
	September	27.4	15.80	46.64	540	
	October	27.4	13.06	34.59	400	
	November	27.4	9.53	20.40	236	
	December	27.4	9.00	20.63	239	

TABLE 3A
2025 TREATED FLOW TO LOCAL MUNICIPALITIES IN METRIC UNITS

	<u>Leamington</u>		<u>Kingsville</u>		<u>Essex</u>		<u>Lakeshore</u>	
	Monthly Total (m3)	Average Day (m3/day)						
January	786,684	25,377	432,519	13,952	73,208	2,362	43,795	1,413
February	778,475	26,844	421,196	14,524	67,537	2,329	43,055	1,485
March	1,024,562	33,050	557,396	17,981	74,292	2,397	38,696	1,248
April	1,155,150	38,505	615,761	20,525	77,018	2,567	42,688	1,423
May	1,146,471	36,983	655,269	21,138	84,282	2,719	45,844	1,479
June	1,409,082	46,969	847,422	28,247	100,159	3,339	51,652	1,722
July	1,485,670	47,925	888,415	28,659	100,665	3,247	56,942	1,837
August	1,410,990	45,516	971,812	31,349	87,574	2,825	52,821	1,704
September	1,043,406	34,780	776,835	25,895	69,464	2,315	38,959	1,299
October	1,089,786	35,154	731,726	23,604	73,307	2,365	44,233	1,427
November	695,147	23,172	435,273	14,509	58,919	1,964	33,133	1,104
December	872,490	28,145	404,642	13,053	71,363	2,302	18,276	590
Total	12,897,913	35,202	7,738,266	21,120	937,788	2,561	510,094	1,394

TABLE 3B
2025 TREATED FLOW TO LOCAL MUNICIPALITIES IN IMPERIAL UNITS

	<u>Leamington</u>		<u>Kingsville</u>		<u>Essex</u>		<u>Lakeshore</u>	
	Monthly Total (Imperial Gallons)	Average Day (MGD)	Monthly Total (Imperial Gallons)	Average Day (MGD)	Monthly Total (Imperial Gallons)	Average Day (MGD)	Monthly Total (Imperial Gallons)	Average Day (MGD)
January	173,046,288	5.58	95,140,879	3.07	16,103,509	0.52	9,633,553	0.31
February	171,240,561	5.90	92,650,168	3.19	14,856,063	0.51	9,470,776	0.33
March	225,372,133	7.27	122,609,979	3.96	16,341,955	0.53	8,511,930	0.27
April	254,097,477	8.47	135,448,484	4.51	16,941,592	0.56	9,390,047	0.31
May	252,188,364	8.14	144,139,029	4.65	18,539,448	0.60	10,084,270	0.33
June	309,954,708	10.33	186,406,780	6.21	22,031,900	0.73	11,361,852	0.38
July	326,801,713	10.54	195,423,980	6.30	22,143,204	0.71	12,525,489	0.40
August	310,374,410	10.01	213,768,755	6.90	19,263,587	0.62	11,618,996	0.37
September	229,517,233	7.65	170,879,811	5.70	15,279,944	0.51	8,569,782	0.29
October	239,719,407	7.73	160,957,218	5.19	16,125,286	0.52	9,729,900	0.31
November	152,910,963	5.10	95,746,675	3.19	12,960,368	0.43	7,288,241	0.24
December	191,920,969	6.19	89,008,797	2.87	15,697,665	0.51	4,020,158	0.13
Total	2,837,144,227	7.74	1,702,180,555	4.65	206,284,521	0.56	112,204,994	0.31