

# Lambton Area Water Supply System

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Waterworks # 210000906  
System Category – Large Municipal Residential

## Annual Summary Report

Prepared For: Lambton Area Water Supply System  
Joint Board of Management

Reporting Period of January 1<sup>st</sup> – December 31<sup>st</sup>, 2025

Issued: February 18, 2026

Revision: 0

Operating Authority:



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## Overview

This report fulfills requirements of Ontario Regulation 170/03 Schedule 22. By March 31<sup>st</sup>, 2026 the report must be provided to members of the LAWSS Joint Board of Management. This summary report is available to anyone free of charge on the LAWSS website ([www.lawss.org](http://www.lawss.org)) or upon request.

Location	Address	Telephone
Lambton Area Water Supply System	1215 Fort St. Sarnia, ON N7V 1M1	519-344-7429

## Summary of Non-Compliance

### Adverse Water Quality Incidents

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
There were no adverse water quality incidents reported during the reporting period.						

### Non-Compliance

There were no non-compliances reported during the reporting period.s.						
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### Non-Compliance Identified in a Ministry Inspection:

The routine MECP Inspections have an Inspection Rating Record. This record evaluates the system to provide information for the owner/operator on areas that need to be improved. The particular areas that were evaluated for LAWSS were: Capacity Assessment, Certification and Training, Logbooks, Operations Manuals, Reporting and Corrective Actions, Source, Treatment Processes, and Water Quality Monitoring. This system received 0 out of 447 non-compliance ratings and as such received 100% for the Final Inspection Rating.

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 the Inspection Report.				

## Flows

The Permit to Take Water (Number 3560-APLNRJ) states the maximum amount of water taken is 182,000 m<sup>3</sup>/day. The daily maximum amount of raw water taken in 2025 was 88,117 m<sup>3</sup>/day on August 11, 2025, which equates to 48.4% of the daily allowable amount.

The rated capacity specified in the Municipal Drinking Water Licence (Licence Number: 020-101) for the Lambton Area Water Supply System is 181,844 m<sup>3</sup>/day. The maximum treated daily flow for the reporting period was 88,419 m<sup>3</sup>/day on August 11, 2025, which equates to 48.6% of the design capacity.

### Raw Water Flows

The raw water flows are regulated under the Permit to Take Water. Maximum allowable water-taking for LAWSS according to this permit is 182,000 m<sup>3</sup>/day. The 2024 daily raw flow was submitted to the Ministry electronically under permit # 3560-APLNRJ. A copy of the data that was submitted are attached in Appendix A.

#### Raw Water Average Daily Flow Total, Max Daily Flow Total, and Peak Daily Flow Rate by Month

Month	Daily Flow Average (m <sup>3</sup> )	% of Max Allowable Water-Taking*	Daily Flow Maximum (m <sup>3</sup> )	% of Max Allowable Water-Taking*	Daily Flow Peak Flow Rate (L/s)	% of Max Allowable Water-Taking*
Jan 2025	48145	26.5	56982	31.3	1120.8	53.2
Feb 2025	48920	26.9	60927	33.5	887.0	42.1
Mar 2025	46784	25.7	56815	31.2	1048.3	49.8
Apr 2025	49027	26.9	60078	33.0	1115.6	53.0
May 2025	51265	28.2	60201	33.1	1115.2	53.0
Jun 2025	62055	34.1	80010	44.0	1126.9	53.5
Jul 2025	69340	38.1	81647	44.9	1211.5	57.5
Aug 2025	68754	37.8	88117	48.4	1413.7	67.1
Sep 2025	63562	34.9	75280	41.4	1103.0	52.4
Oct 2025	57850	31.8	73985	40.7	1100.7	52.3
Nov 2025	52702	29.0	65772	36.1	1149.4	54.6
Dec 2025	55023	30.2	73214	40.2	1447.1	68.7

## Treated Water Flows

The water that is treated is regulated under the Municipal Drinking Water Licence # 020-101, in which the rated capacity for the system is 181,844 m<sup>3</sup>/d.

### *Treated Water Average Daily Flow Total, Max Daily Flow Total, and Peak Daily Flow Rate by Month*

Month	Daily Flow Average (m <sup>3</sup> )	% of Design Capacity	Daily Flow Maximum (m <sup>3</sup> )	% of Design Capacity	Daily Flow Maximum (L/s)	% of Design Capacity
Jan 2025	47194	26.0	51060	28.1	869.7	41.3
Feb 2025	48375	26.6	52696	29.0	890.1	42.3
Mar 2025	45381	25.0	50999	28.0	817.2	38.8
Apr 2025	47898	26.3	54463	30.0	1018.3	48.4
May 2025	49999	27.5	63036	34.7	982.5	46.7
Jun 2025	62584	34.4	81707	44.9	1110.5	52.8
Jul 2025	68720	37.8	79707	43.8	1114.7	53.0
Aug 2025	67917	37.3	88419	48.6	1339.3	63.6
Sep 2025	62332	34.3	71162	39.1	1069.9	50.8
Oct 2025	56356	31.0	77308	42.5	1061.5	50.4
Nov 2025	51155	28.1	61498	33.8	903.3	42.9
Dec 2025	52849	29.1	62842	34.6	1033.1	49.1

## Revision History

Date	Revision #	Revision Notes
Feb. 18, 2026	0	Created report.

# Appendix A

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## Permit to Take Water (PTTW) Data

**Annual Water Taking and Transfer Report**

From 1/1/2025 To 12/31/2025

LAMBTON AREA WATER SUPPLY SYSTEM

PTTW # 3560-APLNRJ

Flow Recorded in m<sup>3</sup>/d

Date	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	47048	46640	45380	48076	49531	61180	76709	78921	68623	73344	56160	58710
2	43692	48925	50810	49820	37120	63712	61937	72500	62952	64900	52391	56480
3	50149	60927	51280	49600	45756	60854	66788	64953	58635	67165	51241	43351
4	45480	48442	50078	47771	49850	47607	81275	68281	57450	73985	49818	49043
5	44020	43446	48698	45841	56236	54256	80000	77048	56035	68407	58660	59696
6	47031	49380	47784	50398	60201	52937	70346	70220	60487	71195	51146	52230
7	44409	49077	47127	57971	47411	54180	71159	81130	60277	58932	49814	56280
8	49930	47475	46607	42297	47462	56040	71388	74395	68526	50953	52384	56790
9	45229	47860	45827	46017	56026	45400	72506	85619	63505	68023	59774	52559
10	56982	53008	54339	51948	58740	53352	64714	85305	59522	53266	43656	58917
11	47696	50950	43175	60078	51265	70058	62268	88117	58982	60454	61522	42540
12	48851	40357	45277	45400	58166	54534	61567	75204	73156	60156	56164	42320
13	47973	46260	42334	41977	58912	50275	73466	63827	58620	53396	53180	73214
14	49020	55834	56815	50932	59157	59745	77115	68369	66020	56788	55779	58444
15	46757	51449	35464	56000	60148	59115	76871	79378	61980	63000	46684	62140
16	47108	44551	52836	45691	55198	68581	65308	76316	63840	51163	62632	59298
17	45285	42918	42379	55290	55294	73320	64747	67214	75280	49542	55765	55352
18	52029	45543	46730	45391	46120	48083	61830	65936	75030	52081	46700	49528
19	45100	59845	52110	44890	52350	57321	68744	58722	62711	59323	52236	54180
20	44257	50133	44690	50330	55370	64921	62020	55618	68491	56901	51840	67340
21	50674	44918	41434	53048	43127	59685	60766	63605	67199	47446	64025	54751
22	50919	45211	50727	38310	44088	73990	71725	70620	60519	48844	54700	51037
23	50251	52142	40002	49186	51595	71876	81647	60817	59220	54972	46999	50002
24	52679	49089	47497	48800	44567	72882	67332	54419	57409	66679	41584	64904
25	46056	54600	43699	53609	51603	71082	65000	74949	68153	52118	65117	51701
26	46610	46368	42888	43995	51475	69689	57599	55451	66189	53680	45279	47329
27	52474	48131	49813	48610	46448	62846	73609	58185	66509	43570	44720	60562
28	45970	46271	49300	46044	53413	73788	75889	58039	62291	61004	45374	50336
29	45354		44570	51468	46689	80010	77893	60280	58999	60125	65772	61236
30	50818		47315	52025	46930	70319	68226	60787	60256	40780	39934	54346
31	52658		43329		48969		59093	57137		51150		51094