

Town of Eastend Annual Notice to Consumers

The Water Security Agency requires that at least once each year waterworks owners provide notification to consumers of the quality of water produced and supplied as well as information on the performance of the waterworks in submitting samples as required by the Town's Permit to Operate a Waterworks. The following is a summary of the Town of Eastend water quality and sample submission compliance record for the January 1 to December 31, 2024 period. This report was completed on January 22, 2025. If consumers need more information on the nature and significance of specific water tests, please contact the Town or the Water Security Agency.

Bacteriological Quality

Parameter/Location	Limit	Regular Samples Required	Regular Samples Submitted	# of Positive Regular Submitted (%)
Total Coliform	0 Organisms/100 mL	52	52(50*)	0
E. coli	0 Organisms/100 mL	52	52(50*)	0

Disinfection – Chlorine Residual in Distribution System Submitted with Bacteriological Samples

Parameter	Minimum Limit	Total Chlorine Residual Range	Free Chlorine Residual Range	# Tests Required	# Tests Submitted	# Adequate Chlorine (%)
Chlorine Residual	0.1 mg/L free OR 0.5 mg/L total	.56 – 1.29	.56 – 1.27	52	52(50*)	100%

*All 52 tests were submitted but 2 tests did not arrive at the testing facility on time. One in November 2024 due to the Canada Post Strike and one in December 2024 due to inclement weather.

Disinfection - Free Chlorine Residual for Water Entering Distribution System at Water Treatment Plant

Parameter	Limit (mg/L)	Test Level Range	# Tests Performed	# Tests Not Meeting Requirements
Free Chlorine Residual	at least 0.4	0.53 – 1.54	365	0

The Town's permit to operate requires a specific minimum free chlorine residual for water entering the distribution system. This data includes the number of free chlorine residual tests performed, the overall range of free chlorine residual (highest and lowest recorded values) and the number of tests and percentage of results not meeting the minimum requirements as stated in the Town's Permit to Operate.

Turbidity – From Water Treatment Plant Records

Parameter	Limit (NTU)	Test Level Range	# Tests Not Meeting Requirements	Maximum Turbidity (NTU)	# Tests Required	# Tests Performed
Turbidity	0.1	.02 - .05	0	0.05	365	365

Chemical – Health Category

The Town of Eastend is required to submit water samples for WSA's Chemical Health category once per year. The last sample for Chemical Health analysis was submitted on June 26, 2023. Sample results indicated that the provincial drinking water quality standards were not exceeded.

Parameter	Limit MAC(mg/L)	Limit IMAC (mg/L)	Sample Result(s)	# Samples Exceeding Limit
Aluminum	NA		0.135	0
Antimony	NA		<0.00016	0
Arsenic	0.010		0.00010	0
Barium	1.0		0.001	0
Boron	5.0		<0.1	0
Cadmium	0.005		<0.00015	0
Chromium	0.05		<0.00019	0
Copper	1.0		0.00829	0
Iron	0.3		<0.1	0
Lead	0.01		0.00010	0
Manganese	.05		<0.01	0



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Selenium	0.01	0.00113	0
Silver	NA	<0.00020	0
Uranium	0.02	0.00011	0
Zinc	5.0	<0.004	0

Chemical – Trihalomethanes (THMs) and Haloacetic Acids (HAAs)

Parameter	THMs Limit (mg/L)	Sample Result (average)	# Samples Required	# Samples Submitted
Trihalomethanes	0.1		0	0
Haloacetic Acids	0.08		0	0

The next samples are due in 2026.

General Chemical

Parameter	Aesthetic Objectives * (mg/L)	Sample Results(2023)	# Samples Required	# Samples Submitted
Alkalinity	<500	12.865	1	0
Bicarbonate	No Objective	13.5	1	0
Calcium	No Objective	<1	1	0
Carbonate	No Objective	1.25	1	0
Chloride	<250	1.35	1	0
Conductivity	<2300	29	1	0
Hardness	<800	7.5	1	0
Magnesium	<.05	<0.01	1	0
PH	7.0 – 10.5	8.3	1	0
Sodium	<300	4.75	1	0
Sulphate	<500	<0.9	1	0
Total dissolved Solids	<1500	25.25	1	0

The Town of Eastend is required to submit water samples once per year. The last sample for General Chemical analysis was submitted on December 18, 2023. The 2024 test was lost in the mail.

More information on water quality and sample submission performance may be obtained from:

Town of Eastend
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