



Town of Eston

2025 Drinking Water Quality and Compliance

Annual Notice to Consumers

Introduction

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 Permit to Operate a waterworks. The following is a summary of the **Town of Eston** water quality and sample submission compliance record for the 2025 period. This report was completed on 03/20/2025. Readers should refer to Water Security Agency's Municipal Drinking Water Quality Monitoring Guidelines, June 2015, EPB 502 for more information on minimum sample submission requirements and the meaning of type of sample. Permit requirements for a specific waterworks may require more sampling than outlined in the department's monitoring guidelines. If consumers need more information on the nature and significance of specific water tests, more detailed information is available from: http://www.hc-sc.gc.ca/ewh-semt/pubs/water-eau/index_e.html.

Water Quality Standards

Bacteriological Quality

Parameter/Location	Limit	Regular Samples Required	Regular Samples Submitted	# of Positive Regular Submitted (%)
Total Coliform	0 Organisms/100 mL	52	52	0
E. coli	0 Organisms/100 mL	52	52	0
Background Bacteria	Less than 200/100 mL	52	52	0

Water Disinfection –

Chlorine Residual in Distribution System for Test Results 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	0.67-1.15	0.35-0.94	52	52	100%

Water Disinfection - Free Chlorine Residual for Water Entering Distribution System from Waterworks Records- From Water Treatment Plant Records

Parameter	Limit (mg/L)	Test Level Range	# Tests# Performed	Tests Not Meeting Requirements
Free Chlorine Residual	at least 0.1	0.44-1.68	365	0

A minimum of 0.1 milligrams per litre (mg/L) free chlorine residual is required for water entering the distribution system. Tests are normally performed on a daily basis by the waterworks operator and are to be recorded in operation records. 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 requirement of 0.1 mg/L free chlorine residual.

Turbidity – From Water Treatment Plant Records

Parameter	Limit (NTU)	Test Level Range	# Tests Not Meeting Requirements	Maximum Turbidity (NTU)	# Tests Required	# Tests Performed
Turbidity	1.00	0.14-0.74	0	0.74	365	365

Chemical – Health Category

All waterworks serving less than 5,000 persons are required to submit water samples for SE's Chemical Health category once every year. The Chemical Health category includes analysis for arsenic, barium, boron, cadmium, chromium, fluoride, lead, nitrate, selenium and uranium.

The last sample for Chemical Health analysis was submitted in 2025. Sample results indicated that the provincial drinking water quality standards were not exceeded. Samples will be taken again in 2026.

Parameter	Limit MAC(mg/L)	Sample Result(s)mg/l	# Samples Exceeding Limit
Arsenic	0.01	0.0020	0
Aluminum	No Limit	0.0069	0
Barium	1.0	0.0586	0
Boron	5.0	0.01	0
Cadmium	0.005	0.00015	0
Chromium	0.05	0.00019	0
Copper	1.0	0.00370	0
Iron	0.3	0.10	0
Lead	0.01	0.00007	0
Manganese	0.05	0.10	0
Selenium	0.01	0.00113	0
Uranium	0.02	0.0017	0
Zinc	5	0.0040	0

Chemical – Trihalomethanes (THMs)

Parameter	THMs Limit (mg/L)	Sample Average	# Samples Result (average)	# Samples Required Submitted
Trihalomethanes	100	55.4	4 (1 every 3 months)	4
Haloacetic Acids	80	32.5	4 (1 every 3 months)	4

General Chemical

All waterworks serving less than 5,000 persons are required to submit water samples for SE's General Chemical once per year.

Parameter	Aesthetic Objectives (mg/L)	Sample Results (average)	# Samples Required	# Samples Submitted
Conductivity	2.3	0.589	1	1
pH	7.0-10.5	7.9	1	1
Total Alkalinity	500	178	1	1
Phenol Alkalinity	No Limit	0	1	1
Bicarbonate	No Limit	217	1	1
Carbonate	No Limit	0	1	1
Hydroxide	No Limit	0	1	1
Chloride Dissolved	250	20.2	1	1
Fluoride Dissolved	1.5	0.16	1	1
Nitrate Dissolved	45	1.1	1	1
Sulfate Dissolved	500	102.5	1	1
Total Hardness	800	248	1	1
Total Dissolved Solids	1500	464	1	1
Iron	0.30	<0.1	1	1
Manganese	0.5	<0.01	1	1
Calcium	No Limit	58	1	1
Magnesium	200	25	1	1
Potassium	No Limit	4	1	1
Sodium	300	36	1	1

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

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