

## 2023 Drinking Water Quality and Compliance Cities Short Form – A Template for Annual Notice to Consumers

### Introduction

The Water Security Agency and the Ministry of Environment 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 a Minister's Order or Permit to Operate a waterworks. The following is a summary of the City of Humboldt water quality and sample submission compliance records for the January 01, 2023 – December 31, 2023 time period. This report was completed on February 27, 2024. Readers should refer to Saskatchewan 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, for example, "what is the significance of selenium in a water supply", more detailed information is available from: [http://www.hc-sc.gc.ca/ewh-semt/pubs/water-eau/index\\_e.html](http://www.hc-sc.gc.ca/ewh-semt/pubs/water-eau/index_e.html)

### Water Quality Standards

#### Bacteriological Quality

Regular Parameter/Location (%)	Limit	Regular Samples	Regular Samples	# of Positive
		Required	Submitted	Submitted
Total Coliform	0 Organisms/100 mL	156	156	0
E. coli	0 Organisms/100 mL	156	156	0

#### Water Disinfection – Chlorine Residual in Distribution System for Test Results Submitted with Bacteriological Samples

Parameter	Limit (mg/L)	Test Level Range	# Tests Performed	# Tests Not Meeting Requirements
Chlorine	0.1 mg/L free OR	0.41-1.20 (free)	156	0
Residual	0.5 mg/L total	0.51-1.43 (total)		

#### Water Disinfection – Free Chlorine Residual for Water Entering Distribution System – From Water Distribution Facility Records

Parameter	Limit (mg/L)	Test Level Range	# Tests Performed	# Tests Not Meeting Requirements
Free Chlorine Residual	at least 0.1	0.84-1.38	365	0

### Turbidity

Parameter	Limit (NTU)	Test Level Range	# Tests Not Meeting Requirements	Max Turbidity (NTU)	# Tests Required	# Tests Performed
Turbidity	1.0	0.05-0.24	0	0.24	365	365

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

Parameter	Limit (mg/L)	Sample Result (average)	# Samples Required	# Samples Submitted
Trihalomethanes	0.1	0.0602	8 (2 every 3 months)	9
Haloacetic Acids	0.080	0.0482	8 (2 every 3 months)	9



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Environment**



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

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*(Note: This short form may be used for communities or waterworks serving a population of 5000 or more persons).*

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