

**Town of Whitewood
Drinking Water Quality and Compliance**

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 Town of Whitewood water quality and sample submission compliance record for the January 1st to December 31st time period. This report was completed on June 6 2023. 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, 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.

Water Quality Standards

Bacteriological Quality

Parameter	Limit	Regular Samples Required	Regular Samples Submitted	# of Positive Regular Submitted (%)
Total Coliform	Zero organisms/100 mL	52	52	0
E. Coli	Zero organisms/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	# of Tests Required	# of Tests Submitted	% Adequate Chlorine
Chlorine Residual	0.1 mg/L free OR 0.5 mg/L total	0.33 – 0.78	0.28 – 0.66	78	78	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	# of Tests Performed	# Of Tests Not Meeting Requirements
Free Chlorine	Minimum 0.1 mg/L	0.22 – 0.95	365	0

Turbidity – From Water Treatment Plant Records

Parameter	Limit NTU	Test Level Range	# of Tests Not Meeting Requirements	Maximum Turbidity (NTU)	# of Tests Required	# of Tests Performed
Turbidity	< 1.0	0.04 – 0.19	0	0.19	365	365

Chemical – Health Category

All waterworks serving less than 5000 persons are required to submit water samples for SE's Chemical Health category once every 2 years. 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 on April 25 2023. Sample results indicated that the provincial drinking water quality standards were not exceeded.

The General Chemical category includes analysis for alkalinity, bicarbonate, calcium, carbonate, chloride, conductivity, hardness (as CaCO₃), magnesium, sodium, sulfate and total dissolved solids. The last sample for General Chemical analysis was submitted on April 25 2023. Sample results indicated that there was no exceedance of the provincial aesthetic objectives for the General Chemical category.

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

Town of Whitewood
Box 129
(306)735-2210
general@townofwhitewood.ca