

TOWN OF RADVILLE

Drinking Water Quality and Compliance

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 *Town of Radville's* water quality and sample submission compliance record for the **January 1 – December 31, 2025** time period.

This report was completed on **January 30, 2026**. Readers should refer to Water Security Agency's "Municipal Drinking Water Quality Monitoring Guidelines, October 2020, EPB 202" 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/Location	Limit	Regular Samples Required	Regular Samples Submitted (%)	# of Positive Regular Submitted (%)
Total Coliforms	0 Organisms/100 mg/L	52	52 (100%)	0
E. coli	0 Organisms/100 mg/L	52	52 (100%)	0
Background Bacteria	Less than 200 Organisms/100mg/L	52	52 (100%)	0

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

Parameter	Minimum Limit (mg/L)	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	0.75– 3.32 mg/L	0.37– 2.52 mg/L	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	0.63 – 3.32	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	1.0 NTU	0.16- 2.39	2	2.39	365	365



**Saskatchewan
Ministry of
Environment**



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 *January 7, 2025*. Sample results indicated that the provincial drinking water quality standards were not exceeded.

Chemical – Disinfection By Products (DBPs)

Parameter	THMs Limit (mg/L)	Sample Result (avg)	# Samples Required	# Samples Submitted
Trihalomethanes	0.100	0.115	2 (January and July)	2

General Chemical

All waterworks serving less than 5000 persons are required to submit water samples for SE's General Chemical category once every two years if a ground water source. The General Chemical category includes analysis for alkalinity, bicarbonate, calcium, carbonate, chloride, conductivity, hardness (as CaCO₃), magnesium, sodium, sulphate and total dissolved solids.

The last sample for General Chemical analysis was submitted on January 7, 2025. Samples exceeded provincial aesthetic objectives for the General Chemical category for the following parameters:

General Chemical

Parameter	Aesthetic Objectives * (mg/L)	Sample Results (average)	# Samples Required	# Samples Submitted
Alkalinity	500	617	1	1
Sulphate	500	703.5	1	1
Total dissolved Solids	1500	2044	1	1
Sodium	300	275	1	1

*Objectives apply to certain characteristics of substances found in water for human consumptive or hygienic use. The presence of these substances will affect the acceptance of water by consumers and/or interfere with the practice of supplying good quality water. Compliance with drinking water aesthetic objectives is not mandatory as these objectives are in the range where they do not constitute a health hazard. The aesthetic objectives for several parameters (including hardness as CaCO₃, magnesium, sodium and total dissolved solids) consider regional differences in drinking water sources and quality.

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

**Town of Radville
522 Healy Avenue
P.O. Box 339
Radville, Saskatchewan
S0C 2G0
Phone (306) 869-2477
Fax (306) 869-3100
Email: town.radville2@sasktel.net**



**Saskatchewan
Ministry of
Environment**

