

Drinking Water Quality and Compliance
Village of Meota Distribution System
Station Number SK05EG0002
2020 Notification to Consumers

The Water Security Agency (WSA) 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 Permit to Operate a waterworks. The following is a summary of the Village of Meota Distribution System water quality and sample submission compliance record for the **January 1, 2020 to December 31, 2020** time period. This report was completed on January 28, 2021. Readers should refer to the WSA's Municipal Drinking Water Quality Monitoring Guidelines, October 2012, EPB 202 for more information on minimum sample submission requirements and types of samples. Permit requirements for a specific waterworks may require more sampling than outlined in the Agency's monitoring guidelines. If consumers need to know more about drinking water in Saskatchewan, more detailed information is available from: <http://www.hc-sc.gc.ca/ewh-semt/pubs/water-eau/index-eng.php>.

BACTERIOLOGICAL QUALITY

Parameter	Limit	Regular Samples Required	Regular Samples Submitted	# Positive of Regular Submitted
Total Coliform	0 Organisms/100 mL	24	26	0
E. Coli	0 Organisms/100 mL	24	26	0
Background Bacteria	Less than 200/100 mL	24	26	0

Analysis is performed on a single sample for all parameters mentioned above. All waterworks are required to submit samples for bacteriological water quality; the frequency of monitoring depends on the population served by the waterworks. Additional sampling was done for informational purposes.

WATER DISINFECTION

Chlorine Residual – From Test Results Submitted with Bacteriological Samples from Distribution System

Parameter	Minimum Limit (either/or)	Range (mg/L)	# Tests Required	# Tests Submitted	# Adequate Chlorine
Free Chlorine	0.10 mg/L	0.34 – 1.20	24	26	26
Total Chlorine	0.50 mg/L	0.50 – 1.42	24	26	

A minimum of 0.10 milligrams per litre (mg/L) free chlorine residual **OR** 0.50 mg/L total chlorine residual is required at all times throughout the distribution system. An adequate chlorine is a result that indicates that the chlorine level is above the regulated minimums. A waterworks is required to submit chlorine residual test results on every bacteriological sample they submit. Additional sampling was done for informational purposes.

Total Chlorine Residual for Water Entering Distribution System

Parameter	Minimum Limit (mg/L)	Range (mg/L)	Average (mg/L)	# Tests Required	# Tests Performed	% Adequate Chlorine
Total Chlorine	0.50	0.95 – 1.59	1.23	366	366	100

Total residuals tests are performed and recorded daily by waterworks operators.

Village of Meota Distribution System

TURBIDITY

Turbidity – From Test Results Submitted with Bacteriological Samples from Distribution System

Parameter	Limit (NTU)	Range (NTU)	# Tests Required	# Tests Performed	# Exceeding Limit
Turbidity	No standard	0.11 – 0.29	0	26	0

Turbidity is a measure of water treatment efficiency. Turbidity measures the “clarity” of the drinking water and is reported in Nephelometric Turbidity Units (NTU). Additional testing was done for informational purposes.

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

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