

**Drinking Water Quality and Compliance**  
**Village of Meota Distribution System**  
**Station Number SK05EG0002**  
**2023 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, 2023, to December 31, 2023, time period. This report was completed on February 1, 2024. Readers should refer to the WSA's [Municipal Drinking Water Quality Monitoring Guidelines](#) 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	0.77 – 1.27	24	26	26
Total Chlorine	0.50 mg/L	0.89 – 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.

**Chlorine Residual for Water Within Distribution System**

Parameter	Minimum Limit (either/or)	Range (mg/L)	Average (mg/L)	# Tests Required	# Tests Performed	% Adequate Chlorine
Free Chlorine	0.10 mg/L	0.53 – 1.29	0.93	365	365	100
Total Chlorine	0.50 mg/L	0.76 – 1.47	1.09	365	365	

Chlorine residual 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**

<b>Parameter</b>	<b>Limit (NTU)</b>	<b>Range (NTU)</b>	<b># Tests Required</b>	<b># Tests Performed</b>	<b># Exceeding Limit</b>
Turbidity	No standard	0.07 – 0.27	24	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 sampling was done for informational purposes.

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

Village of Meota  
PO Box 123  
Meota SK S0M 1X0  
Phone: (306) 892-2277  
Fax: (306) 892-2275  
Email: [vmeota@sasktel.net](mailto:vmeota@sasktel.net)