Drinking Water Quality and Compliance
Village of St. Louis - 2021 Annual Notice to Consumers

The Water Security Agency 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 St. Louis water quality and sample submission compliance record for the 2021 calendar year. This report was completed on January 4, 2022.

Subscribers should refer to the Water Security Agency's "Municipal Drinking Water Quality Monitoring Guidelines, November 2002, 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.

Water Quality Standards	Limit	Samples Required	Samples Submitted	Positive
Bacteriological Quantity				
Total Coliform	0/100 ml	52	52	0
Background Bacteria	200 NO/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	# Tests Required	# Tests Submitted	# Adequate Chlorine (%)
Chlorine 0.1 mg/L free OR Residual 0.5 mg/L total		0.73 mg/l - 1.20 mg/l	.15 mg/l - 1.02 mg/l	52	52	100%

Water Disinfection –Chlorine Residual in Distribution System for Test Results Performed at Village Water Plant

Parameter	Minimum Limit	Total Chlorine Residual Range	Free Chlorine Residual Range	# Tests Required	# Tests Performed	# Adequate Chlorine (%)
Chlorine 0.1 mg/L free OR Residual 0.5 mg/L total		0.95 mg/l – 1.46 mg/l	.81 mg/l - 1.24 mg/l	365	365	100%

Turbidity - From Submitted Bacteriological Samples

Parameter	Limit (NTU)	Test Level Range	# Tests Not Meeting Requirements	Maximum Turbidity (NTU)	# Tests Required	# Tests Performed (with Sask Water)
Turbidity	0.3 NTU	0.13 – 0.18 NTU	0	0.18 NTU	52	52

Turbidity - From Village Water Plant Records

Parameter	Limit (NTU)	Test Level Range	# Tests Not Meeting Requirements	Maximum Turbidity (NTU)	# Tests Required	# Tests Performed (with Sask Water)
Turbidity	0.3 NTU	0.06 – 0.18 NTU	0	0.18 NTU	365	365

Chemical - Health Category

Samples are submitted by Sask Water, Wakaw – Humboldt Pipeline. These test for arsenic, barium, boron, cadmium, chromium, fluoride, lead, manganese, selenium and uranium. Sample results for 2021 indicated that the provincial drinking water quality standards were not exceeded.

Parameter	Limit MAC(mg/L)	Limit IMAC(mg/L)	Sample Result(s)	# Samples Exceeding Limit
Arsenic	0.01		0.0001 mg/L	0
Barium	1.0		0.08 mg/L	0
Boron		5.0 mg/L	0.03 mg/L	0
Cadmium	0.005		0.00002 mg/L	0
Chromium	0.05		<0.0005 mg/L	0
Fluoride	1.5		0.52 mg/L	0
Lead	0.01		0.0001 mg/L	0
Manganese	0.5		0.001 mg/L	0
Selenium	0.01		0.0004 mg/L	0
Uranium	0.02		0.0004 mg/L	0

Chemical – Trihalomethanes (THMs)

Parameter	THMs Limit (ug/L)	Sample Result (average)	# Samples Required	# Samples Submitted
Trihalomethanes	100 ug/l	55.3 ug/l	4	4

Chemical – Haloacetic Acids (HAAs)

Parameter	HAAs Limit (ug/L)	Sample Result (average)	# Samples Required	# Samples Submitted
Haloacetic Acids	80 ug/l	44 ug/l	4	4
Monochloracetic Acid		< 10 ug/l	4	4
Monobromoacetic Acid		< 2 ug/l	4	4
Dichloroacetic Acid		19 ug/l	4	4
Trichloroacetic Acid		24 ug/l	4	4
Dibromoacetic Acid		< 3 ug/l	4	4

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

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