VILLAGE OF ST. LOUIS
SASKATCHEWAN, CANADA

Drinking Water Quality and Compliance

Village of St. Louis - 2023 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 2023 calendar year. This report was completed on January 5, 2024.

Readers should refer to the 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 on specific water tests, more detailed information is available from: http://www.hc-sc.gc.ca/ewh-semt/pubs/water-eau/index e.html or www.saskh2o.ca.

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		0.81 mg/l - 1.17 mg/l	.54 mg/l - 0.96 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		0.97 mg/l – 1.38 mg/l	.73 mg/l - 1.22 mg/l	365	365	100%

Turbidity - From Submitted Bacteriological Samples	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 – 0.14 NTU	0	0.14 NTU	52	52

Turbidity - From Village Water Plant Records	Limit	Test Level	# Tests Not Meeting	Maximum Turbidity	# Tests	# Tests

Parameter	(NTU)	Range	Requirements	(NTU)	Required	Performed
Turbidity	0.3 NTU	0.03 – 0.13 NTU	0	0.13 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 2023 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		0.0003 mg/L	0
Barium	1.0		0.063 mg/L	0
Boron		5.0 mg/L	0.02 mg/L	0
Cadmium	0.005		0.00001 mg/L	0
Chromium	0.05		<0.0005 mg/L	0
Fluoride	1.5		0.44 mg/L	0
Lead	0.01		0.0001 mg/L	0
Manganese	0.05		<0.0005 mg/L	0
Selenium	0.01		0.0008 mg/L	0
Uranium	0.02		0.0003 mg/L	0

Chemical – Trihalomethanes (THMs)

Parameter	THMs Limit (ug/L)	Sample Result (average)	# Samples Required	# Samples Submitted
Trihalomethanes	100 ug/l	56.23 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	47 ug/l	4	4
Monochloracetic Acid		< 10 ug/l	4	4
Monobromoacetic Acid		< 2 ug/l	4	4
Dichloroacetic Acid		20 ug/l	4	4
Trichloroacetic Acid		23 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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