



DUNDURN RURAL WATER UTILITY

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DRINKING WATER QUALITY AND COMPLIANCE Annual Notice to Consumers DUNDURN RURAL WATER UTILITY

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 Dundurn Rural Water Utility water quality and sample submission compliance record for the 2022 calendar year. This report was completed on January 9, 2023.

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. If subscribers 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/selenium/index_e.html

Water Quality Standards - Bacteriological Quality – PHASE I AND II

Parameter/Location	Limit	Regular Samples Required	Regular Samples Submitted	# of Positive Regular Submitted (%)
Total Coliform and Background Bacteria	0 Organisms/100 ml Less than 200/100 ml	52	52	0

Water Quality Standards – Water Disinfection – PHASE I AND II

Parameter	Minimum Limit	Total Chlorine Residual Range	Free Chlorine Residual Range	# Tests Required	# Tests Submitted	# Adequate Chlorine %
Chlorine Residual	0.5 mg/L total	0.95-1.99	N/A	52	52	100

Water Quality Standards - Bacteriological Quality – PHASE III

Parameter/Location	Limit	Regular Samples Required	Regular Samples Submitted	# of Positive Regular Submitted
Total Coliform and Background Bacteria	0 Organisms/100 ml Less than 200/100 ml	52	52	2

Water Quality Standards – Water Disinfection – PHASE III

Parameter	Minimum Limit	Total Chlorine Residual Range	Free Chlorine Residual Range	# Tests Required	# Tests Submitted	# Adequate Chlorine %
Chlorine Residual	0.5 mg/L total	1.28-1.84	N/A	52	52	100

Water Disinfection – Chlorine Residual in Distribution System for Test Results for Entire Year – PHASE I AND II

Parameter	Minimum Limit (mg/L)	Total Chlorine Residual Range	Free Chlorine Residual Range	# of Tests Required	# of Tests Submitted	# with Adequate Chlorine
Chlorine Residual	0.5 mg/L total	0.93-2.09	N/A	365	365	365

Water Disinfection – Chlorine Residual in Distribution System for Test Results for Entire Year – PHASE III

Parameter	Minimum Limit (mg/L)	Total Chlorine Residual Range	Free Chlorine Residual Range	# of Tests Required	# of Tests Submitted	# with Adequate Chlorine
Chlorine Residual	0.5 mg/L total	1.19-1.99	N/A	365	365	365

Water is supplied by the City of Saskatoon and is chloraminated and therefore free chlorine residuals are not recorded. The system operates on the total chlorine residual.

Trihalomethanes – PHASE I > Tests to Recommence 2023

Parameter/Location	Limit IMAC (ug/L)	Sample Result (average)	# of Samples Required	# of Samples Submitted
Trihalomethanes	100	N/A	N/A	N/A

Trihalomethanes – PHASE III > Tests to Recommence 2023

Parameter/Location	Limit IMAC (ug/L)	Sample Result (average)	# of Samples Required	# of Samples Submitted
Trihalomethanes	100	N/A	N/A	N/A

Turbidity – PHASE I

Parameter/Location	Aesthetic Objective	Sample Range	# of Samples Required	# of Samples Submitted
Turbidity	No Objective Required (Previous Objective Was: 5.0 NTU)	0.07-1.84	365	365

Turbidity – PHASE III

Parameter/Location	Aesthetic Objective	Sample Range	# of Samples Required	# of Samples Submitted
Turbidity	No Objective Required (Previous Objective Was: 5.0 NTU)	0.07-0.38	365	365

***Turbidity Requirements are regulated at water treatment plant in Saskatoon.

Halo Acetic Acids – PHASE I > Tests to Recommence 2023

Parameter/Location	Limit IMAC (ug/L)	Sample Results (average)	# of Samples Required	# of Samples Submitted
Halo Acetic Acids	80	N/A	N/A	N/A

Halo Acetic Acids – PHASE III > Tests to Recommence 2023

Parameter/Location	Limit IMAC (ug/L)	Sample Results (average)	# of Samples Required	# of Samples Submitted
Halo Acetic Acids	80	N/A	N/A	N/A

NOTE:

The following test results are **not** required for the Dundurn Rural Water Utility. However, the City of Saskatoon, (www.Saskatoon.ca) whom the Dundurn Rural Water Utility buys treated water from, is required to submit water samples to the Provincial Laboratory in Saskatoon.

To see the results of the following tests please go to this site:

www.saskatchewan.ca

Click on 'Drinking Water Quality',

Click on Drinking Water Quality – (yellow tab),

Click on Sample Tests

Under Which location do you want to search? - Choose Saskatoon Waterworks

And finally Click on Search.

1. Water Disinfection – Free Chlorine Residual for Water Entering Distribution System from Waterworks Records – From Water Treatment Plant Records
2. Chemical – Health Category
3. Chemical – General

More information on water quality and sample submission may be obtained from www.saskh2o.ca {follow same links as above but choose Dundurn Rural Water Waterworks} or from:

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DUNDURN RURAL WATER UTILITY



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