



## PRINCE ALBERT RURAL WATER UTILITY

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### PRINCE ALBERT RURAL WATER UTILITY ANNUAL NOTICE TO CONSUMERS

#### **Re: Water Quality and Compliance**

Under the *Environmental Management and Protection Act, 2010*, all Waterworks owners are required to report, at least once per year, to its consumers, information regarding the compliance of sample submissions set out in their “Permit to Operate”. In addition, annual notification is to be given regarding the quality of water produced or supplied in comparison to the levels set out in the permit.

Prince Albert Rural Water Utility is happy to provide the following summary of water sample submissions and compliance records for the 2021 calendar year. Subscribers may refer to the Saskatchewan Water Security Agency’s “[www.saskh2o.ca](http://www.saskh2o.ca)” website for information on municipal drinking water quality monitoring standards. Also, additional information may be found about the nature and significance of specific water tests, for example, “what is the significance of Selenium in a water supply”, at: [http://www.hc-sc.gc.ca/ewh-semt/pubs/water-eau/selenium/index\\_e.html](http://www.hc-sc.gc.ca/ewh-semt/pubs/water-eau/selenium/index_e.html)

The “Permit to Operate” under which the Utility operated during 2021 was renewed in December of 2019 and is in effect until December 31, 2024. The permit outlines the conditions in which the Utility must operate and it includes a monitoring schedule for required sampling.

Each of the Rural Water Utility’s three lines extending from the City of Prince Albert require bacteriological testing to be completed twice monthly. This means that one sample from each line is submitted twice a month for a total of twenty-four samples per year/per line. Therefore, a minimum of seventy-two sample submissions are required each calendar year.

#### **2020 Water Quality & Bacteriological Standards**

<b>Parameter for which testing was completed</b>	<b>Acceptable Limit</b>	<b>Regular Samples Required</b>	<b>Regular Samples Submitted</b>	<b># of Positive Regular Submitted</b>
Total Coliform	0 Organisms/100 ml	72	72	0
Background Bacteria	Less than 200/100 ml	72	72	0

**2021 Water Disinfection Standards and Test Results of Chlorine Residuals**  
**Found in Samples Submitted for Bacteriological Testing**

Parameter	Minimum Limit (mg/L)	Total Chlorine Residual Range	Free Chlorine Residual Range	Turbidity	# of Tests Required	# of Tests Submitted	# with Adequate Chlorine
Chlorine Residual	0.1 mg/L free OR 0.5 mg/L total	0.91 – 1.49	0.73 – 1.28	0.07 – 1.89	72	72	75

It is required that we monitor the Chlorine levels in each of our water lines on a daily basis. As such, we maintain records for both free and total chlorine in two locations on each of our North and East lines and one location on the South Line.

**Trihalomethanes**

Parameter/Location	Limit MAC (ug/L)	Sample Result (average)	# of Samples Required	# of Samples Submitted
Trihalomethane	100	44.38 ug/L	4	5

**Haloacetic Acids**

Parameter/Location	Limit MAC (ug/L)	Sample Result (average)	# of Samples Required	# of Samples Submitted
Haloacetic Acids	80	29.86 ug/L	4	5

**NOTE:**

The following test results are **not** required for the Prince Albert Rural Water Utility. However, the City of Prince Albert, whom the Prince Albert Rural Water Utility buys treated water from, is required to submit water samples for these tests.

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

[www.saskh2o.ca](http://www.saskh2o.ca)

Click on 'My Drinking Water'

Go to Select Waterworks

Choose Prince Albert Waterworks and finally

Click on View Water Sample Test Results

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

More information on water quality and sample submission may be obtained from [www.saskh2o.ca](http://www.saskh2o.ca) {follow same links as above but choose Prince Albert Rural Water Waterworks} or from:

Prince Albert Rural Water Utility

99 River Street East

Prince Albert, SK S6V 0A1 Telephone: (306) 764-6200

Sincerely,

*PRINCE ALBERT RURAL WATER UTILITY*