

**ORGANIZED HAMLET OF SPRUCE LAKE**  
**Drinking Water Quality and Compliance**  
**Annual Notice to Consumers**

Saskatchewan Environment 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 Minister's Order or Permit to Operate a waterworks. The following is a summary of the Organized Hamlet of Spruce Lake water quality and sample submission compliance record of the **January 1 - December 31, 2017** time period. This report was completed on February 13, 2018. Readers should refer to Saskatchewan Environment's "Municipal Drinking Water Quality Monitoring Guidelines, Edition 3, October 2012, EPB 202" for more information on minimum sample submission requirements. 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 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/hecs-sesc/water/dwgsup.htm>.

**Water Quality Standards**

**Bacteriological Quality**

<b>Parameter/Location</b>	<b>Limit</b>	<b>Regular Samples Required</b>	<b>Regular Samples Submitted</b>	<b># of Positive Regular Submitted (%)</b>
Total Coliform and Background Bacteria	0 Organisms/100 mg/L Less than 200 Organisms/100 mL	12	11	0 (100%)

**Water Disinfection - Chlorine Residual in Distribution System for Test Results Submitted with Bacteriological Samples**

<b>Parameter</b>	<b>Minimum Limit (mg/L)</b>	<b>Free Chlorine Residual Range</b>	<b>Total Chlorine Residual Range</b>	<b>#Tests Required</b>	<b>#Tests Submitted</b>	<b>#Adequate Chlorine (%)</b>
Chlorine Residual	0.1 mg/L free OR 0.5 mg/L total	0.80 – 1.70	1.2 - 2.0	12	11	11(100%)

**Water Disinfection - Free Chlorine Residual for Water Entering Distribution System from Waterworks Records - From Water Treatment Plant Records**

<b>Parameter</b>	<b>Limit (mg/L)</b>	<b>Test Level Range</b>	<b># Tests Performed</b>	<b># Tests Not Meeting Requirements</b>
Free Chlorine Residual	at least 0.1	0.5 - 2.40	365	0

*A minimum of 0.1 milligrams per litre (mg/L) free chlorine residual is required for water entering the distribution system. Tests are normally performed on a daily basis by the waterworks operator and are to be recorded in operation records. This data includes the number of free chlorine residual tests performed, the overall range of free chlorine residual (highest and lowest recorded values) and the number of tests and percentage of results not meeting the minimum requirement of 0.1 mg/L free chlorine residual.*

**Turbidity - From Water Treatment Plant Records**

<b>Parameter</b>	<b>Limit (NTU)</b>	<b>Test Level Range</b>	<b>#Tests Not Meeting Requirements</b>	<b>Maximum Turbidity (NTU)</b>	<b># Tests Required</b>	<b># Tests Performed</b>
Turbidity	1.0	0.78 – 5.55	352	5.55	365	365

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

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 Turtleford, Sask.  
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