



## DUNDURN RURAL WATER UTILITY

P.O. Box 442  
 Dundurn, SK S0K 1K0  
 Ph: (306) 492-2566  
 Fax: (306) 492-2564  
 drwu@sasktel.net

February, 2011

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

The Ministry of Environment (MOE) 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 Dundurn Rural Water Utility water quality and sample submission compliance record for the 2010 calendar year. This report was completed on February 28, 2011.

Subscribers should refer to MOE'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](http://www.hc-sc.gc.ca/ewh-semt/pubs/water-eau/selenium/index_e.html)

#### Water Quality Standards - Bacteriological Quality

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	19	19	0

- NOTE: No repeat samples required for 2010.

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

Parameter	Minimum Limit (mg/L)	Total Chlorine Residual Range	Free Chlorine Residual Range	# of Tests Required	# of Tests Submitted	# with Adequate Chlorine
Chlorine Residual	0.1 mg/L free OR 0.5 mg/L total	1.11 – 1.89	Not Required	365	365	365

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. **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.**

## Annual Notice to Consumers

### Dundurn Rural Water Utility

Chlorine Residuals for on-site testing are required once per month from the pipeline. Total residuals are recorded. Chlorine Residuals for on-site testing are required at the same frequency and locations as for bacteriological sampling, for free and total residuals.

### Trihalomethanes

Parameter/Location	Limit IMAC (ug/L)	Sample Result (average)	# of Samples Required	# of Samples Submitted
Trihalomethanes	100	19.65	2	2

For 2010, the Dundurn Rural Water Utility Permit required 2 samples. For 2011, 4 samples will be required.

### Turbidity

Parameter/Location	Limit IMAC (ug/L)	Sample Range	# of Samples Required	# of Samples Submitted
Turbidity	1.0 NTU	.19 - .64	199	199

For 2010, the Dundurn Rural Water Utility Permit started sampling Turbidity on June 15, 2010. For 2011, 365 samples will be required.

### **NOTE:**

The following test results are **not** required for the Dundurn Rural Water Utility. However, the City of Saskatoon, 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.saskh2o.ca](http://www.saskh2o.ca)  
Click on 'My Drinking Water',  
Go to *Select Waterworks*,  
Choose *Saskatoon Waterworks*, and finally;  
Click on *Current Sampling Requirements*.

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](http://www.saskh2o.ca) {follow same links as above but choose Dundurn Rural Water Waterworks} or from:

Dundurn Rural Water Utility  
P.O. Box 442  
Dundurn, SK S0K 1K0  
Telephone: (306) 492-2566

### *DUNDURN RURAL WATER UTILITY*

Rosalind L. Arndt  
Administrator

Lorne Kroeger  
Maintenance Operator