

**Drinking Water Quality and Compliance
Town Short Form – A Template for Annual Notice to Consumers**

(Note: This short form may be used for communities or waterworks serving a population of less than 5000).

Introduction

The Water Security Agency and the Ministry of 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 Town of Gravelbourg's water quality and sample submission compliance record for the 2017 calendar year. This report was completed on June 28, 2018. Readers should refer to 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 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/index_e.html.

Water Quality Standards

Bacteriological Quality

| Parameter/Location | Limit | Regular Samples Required | Regular Samples Submitted | # of Positive Regular Submitted (%) |
|--------------------|--------------------|--------------------------|---------------------------|-------------------------------------|
| Total Coliform | 0 Organisms/100 mL | 52 | 53 | 0 |
| E. coli | 0 Organisms/100 mL | 52 | 53 | 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 Residual | 0.1 mg/L free OR 0.5 mg/L total | .94 to 1.52 | .87 to 1.42 | 52 | 53 | 100% |

Chemical – Trihalomethanes (THMs) and Haloacetic Acids (HAAs)

| Parameter | Limit (mg/L) | Sample Result (average) | # Samples Required | # Samples Submitted |
|------------------|--------------|-------------------------|----------------------|---------------------|
| Trihalomethanes | 0.1 | .0309 | 4 (1 every 3 months) | 4 |
| Haloacetic Acids | 0.08 | .00525 | 4 (1 every 3 months) | 4 |

Note: Only water supplies derived from surface water or groundwater under the influence of surface water are required to monitor for THMs and HAAs. Waterworks using groundwater sources beyond the influence of surface water do not need to report THMs or HAAs since sampling/analysis will not likely have been performed unless otherwise noted in the waterworks permit to operate

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

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