



Conservation and Water Stewardship

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PWS 252.00

January 25, 2016

Ms. Diane Sacher, M.Eng., P. Eng.
Director, Water and Waste Department
City of Winnipeg
101-1199 Pacific Ave
Winnipeg, Manitoba R3E 3S8

2015 Annual Compliance Audit

Dear Ms. Sacher:

Please find enclosed the 2015 Annual Compliance Audit for the City of Winnipeg public water system (PWS). The report compares water system compliance to *The Drinking Water Safety Act* and its supporting regulations, and the terms and conditions of the water system's current operating licence PWS—09-412-AA. Please note, the licence has been renewed effective March 1, 2016.

Where non-compliance items are identified, the issues do not necessarily translate into increased public health risk.

There were four incidents where the free chlorine residual standard of 0.1 mg/L was not met in the distribution system. All four incidents were reported and corrective actions were taken by the City of Winnipeg to successfully address the low chlorine residuals.

There were two incidents where water from the distribution system was reported positive for bacteria. One incident resulted in a precautionary Boil Water Advisory being issued on January 27th, 2015; rescinded January 29th, 2015. In both incidents corrective actions were immediately taken and resamples confirmed the water was safe.

The Haloacetic Acid (HAA) standard of 0.08 mg/L will now be applied as a standard in all surface and groundwater under the direct influence of surface water (GUDI) operating licences as they are amended or renewed.

Water suppliers are reminded to immediately notify the Office of Drinking Water of any condition(s) that may affect the ability of the water system to produce or deliver safe drinking water. These conditions include:

- treatment upsets, bypass conditions, operation outside of licence conditions
- contamination of source or treated water
- a disinfection, filtration, or distribution system failure

The 2015 Annual Compliance Audit is based on information submitted to this office. If you have questions regarding non-compliance items identified in this audit, review your records prior to contacting this office. If your records conflict with the audit information please call me at (204) 945-7014.

Sincerely,



Melanie Betsill
Manager, Field Operations
Office of Drinking Water

Enclosures
e copy:

M. Geer
T. Shanks
R. Grosselle
D. Minor
Dr. L. Richards
Dr. S. Roberecki
K. Philip

2015 Annual Compliance Audit

Water System: WINNIPEG - PWS

Code: 252.00

Water System Owner: City of Winnipeg

Water System Operating Licence: PWS-09-412-AA

Expiry Date: June 30, 2015

- 1) This report documents the Winnipeg Public Water System compliance for the period from January 1 to December 31, 2015.
- 2) Addendum A to this report provides specific information on the non-compliance incidents identified in the summary below.
- 3) Other than the information provided in attached Addendum A, the water supplier has complied with *The Drinking Water Safety Act*, its supporting regulations, and the terms and conditions of the water system's current operating licence
- 4) This report is based on information submitted by the water supplier, agents of the water supplier, and / or the Province of Manitoba.

Summary of Non-Compliance Incidents:

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| • Failure to Meet Disinfection Requirements |
| • Failure to Meet Bacteriological Requirements |

Addendum A: Record of Non-Compliance
 Water System: WINNIPEG - PWS
 Report period: January 1, 2015 to December 31, 2015.

Enforcement Action Taken

Date	Clause	Incident	Outcome
		None reported	

Disinfection Requirements

Date	Samples	Incident	Outcome
February	1	Failure to maintain a free chlorine residual of at least 0.1 mg/L at all times at any point in the water distribution system	Non-compliant Result Reported to the Office of Drinking Water
September	1	Failure to maintain a free chlorine residual of at least 0.1 mg/L at all times at any point in the water distribution system	Non-compliant Result Reported to the Office of Drinking Water
October	1	Failure to maintain a free chlorine residual of at least 0.1 mg/L at all times at any point in the water distribution system	Non-compliant Result Reported to the Office of Drinking Water
November	1	Failure to maintain a free chlorine residual of at least 0.1 mg/L at all times at any point in the water distribution system	Non-compliant Result Reported to the Office of Drinking Water

Bacteriological Requirements

Date	Samples	Incident	Outcome
2015/01/26	5	Failure to meet Bacteriological Standard: E. coli (EC) detected	Boil Water Advisory Issued
2015/01/26	5	Failure to meet Bacteriological Standard: Total Coliform (TC) detected	Boil Water Advisory Issued
2015/06/01	1	Failure to meet Bacteriological Standard: Total Coliform (TC) detected	Non-compliant Result Reported to the Office of Drinking Water

Microbial Requirements

Date	Clause	Incident	Outcome
		None reported	

Turbidity Requirements

Date	Samples	Incident	Outcome
		None reported	

Chemical Requirements

Date	Clause	Incident	Outcome
		None reported	

Operational Requirements

Date	Clause	Incident	Outcome
		None reported	