



February 27, 2013

City Council Committee Report

To: Mayor & Council

**Fr: Richard Perchuk, Manager of Operations
Biman Paudel, Water & Sewer Supervisor**

Re: 2012 Kenora Drinking Water System Summary Report

Recommendation:

That the Council of the City of Kenora hereby receives the 2012 Kenora Drinking Water System Summary Report, for the period January 1st, 2012 to December 31st, 2012, as prepared by Biman Paudel, Water and Sewer Supervisor.

Background:

In accordance with the Safe Drinking Water Act, 2002 – O. Reg. 170/03 under Schedule 22 it is the responsibility of the Water and Sewer Department to provide a Summary Report of the water system to the Municipal Council no later than March 31st of each year after 2003.

The Kenora Water Treatment Plant and Distribution System recorded six (6) non-compliance violations under the Safe Drinking Water Act from January 1st, 2012 to December 31st, 2012, as identified in the Ministry of the Environment's 2012 Water System Inspection. The attached Report, submitted by Biman Paudel details the duration of the violation and corrective action taken to bring the City of Kenora's drinking water system into compliance. The six (6) non-compliances are as follows:

1. Records did not confirm that the water treatment equipment which provides chlorination or chloramination for secondary disinfection purposes was operated so that at all times and all locations in the distribution system the chlorine residual was never less than 0.05 mg/l free or 0.25 mg/l combined.
2. Continuous monitoring equipment that was being utilized to fulfill O.Reg. 170/03 requirements was not performing tests for the parameters with at least the minimum frequency specified in the Table in Schedule 6 of O.Reg. 170/03 and/or was not recording data with the prescribed format.
3. All trihalomethanes water quality monitoring requirements prescribed by legislation were not conducted within the required frequency.
4. All nitrate/nitrite water quality monitoring requirements prescribed by legislation were not conducted within the required frequency for the DWS.

5. All reporting requirements for lead sampling were not complied with as per schedule 15.1-9 of O.Reg. 170/03
6. The following instance(s) of non-compliance were also noted during the inspection: A hydrant was observed discharging chloraminated water immediately adjacent to the Winnipeg River near the City's sewage treatment plant. Municipal Drinking Water Licence #228-101, Schedule B, condition 10.1.2, states that the licence does not permit the "discharge of any material of any kind into or in any waters or on any shore or bank thereof or into or in any place that may impair the quality of the water of any waters."

In summary, although there were six (6) non-compliance violations at the time of the inspection all testing results were within or exceeded the Ontario Drinking Water Standards as set out under the Safe Drinking Water Act. All of the non-compliance issues were addressed immediately.

Even though the current inspection rating of 87.01% represents a drop from the 99.03% rating received in 2011 and the 100% rating received in 2010, it still ensures our water quality is at an excellent level. The MOE's "Application of Risk Methodology" included within the Report states: "It is important to be aware that an inspection rating that is less than 100 per cent does not mean that the drinking water from the system is unsafe. It just shows the areas where a system's operation can improve."

Budget: N/A

Communication Plan/Notice By-law Requirements:

Resolution required.

Distribution: R. Perchuk, B. Paudel, MOE local (Amy Haines)