

Quarterly Report Summary

The following is a summary for the quarter of October 1 / 2001 - December 31 / 2001.

We did not add fluoride to the drinking water from October 1/01 - December 31/01 due to our fluoride feeder being out of service for maintenance.

A low chlorine residual was found in the distribution system at the north entrance of Donbrock Drive at the fire hydrant October 4/01. The reading was 0.03 mg/L free chlorine. Flushing was conducted and an acceptable level of free chlorine residual was restored within a few minutes. Microbiological samples were taken at the time the low residual was found and continued for an additional four days. All of the microbiological samples taken were clear of any harmful bacteria. We are continuing to monitor the area for an acceptable residual.

November 20/01, we had a high effluent turbidity spike which reached 2.007 NTU . The MAC is 1.0 NTU. This was due to switching high lift pumps. The effluent free chlorine residual at the time was 1.70 mg/L.

November 30/01, number four filter had a high turbidity spike which reached 2.028 for a duration of 36 minutes. The plant was shut down immediately. Number four filter was backwashed and a faulty extractor timer was replaced. The effluent turbidity reached a high of 0.119 NTU.

On December 10/01, we reported an exceedance of the MAC for trihalomethanes. The MAC for trihalomethanes is 0.10 mg/L based on a four quarter running annual average. Based on our latest four quarters our average in the distribution is 0.155 mg/L. Trihalomethanes are a byproduct of the chlorination of water with a high organic content. The natural organic content of our water is high which is common to northern geographic locations. With the new regulation we have also had to increase our chlorine dosage in order to meet the minimal requirements for chlorine residual at the farthest point in our distribution.

On the basis of a review of the First Engineer's Report, a draft consolidated Certificate of Approval has been drawn up. The City of Kenora will implement physical improvements to the works, in keeping with recommendations of the Engineer's Report. One of the upgrading requirements is a treatment system or other measures to reduce trihalomethanes to meet the Ontario Drinking Water Standards. RAL Engineering Ltd. was awarded the tender to address the preferred solution for the reduction of THMs. This will allow the City of Kenora to carry out the required work.