Quarterly Report Summary

The following is a summary for the quarter of July 1/02 – September 30/02.

Fluoride was not added to the drinking water this quarter (i.e., July 1/02 - September 30/02) because our fluoride feeder was out of service. A new fluoride feeder and an on-line fluoride analyzer have been installed and will be in service near the end of October.

On July 4/02 and July 5/02, we reported an indicator of adverse water quality (i.e., a chlorine residual <0.05 mg/L) measured at Charlebois Baits (13 Donkirk, Kenora). The chlorine residual was 0.01 mg/L on both the 4th and the 5th . In accordance with the provincial officer's recommendation as per Reg. 459/00, if a free chlorine residual cannot be maintained to the minimum standards, bacteriological samples must be obtained until the minimum free chlorine residual standard can be maintained and two (2) subsequent bacteriological samples are non-adverse. Mains were flushed and chlorine dosage was increased. All bacteriological samples were acceptable and the chlorine residual was regained to a non-adverse level.

We reported an exceedance of the MAC for trihalomethanes (THM'S) on August 29/02. The MAC for THM'S is 100 ug/L based on a four quarter running annual average. The average THM concentration in the Kenora distribution system for the latest four quarters is 147ug/L. THM'S are a byproduct of the chlorination of water with a high organic content. The natural organic content of Lake of the Woods water is high, a common characteristic lakes in northern geographic locations. With the new regulation (i.e., Reg. 459/00) 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 system.

On the basis of a review of the First Engineer's Report, a new consolidated Certificate of Approval has been created. The City of Kenora will implement physical improvements to the works, in keeping with recommendations of the new Certificate of Approval. One of the upgrading requirements is a treatment system or other measures to reduce THM'S to meet the Ontario Drinking Water Standards. RAL Engineering Ltd. was awarded the tender to identify and implement the preferred solution for the reduction of THM'S. Chloramination is the preferred solution by RAL and they are currently working on implementing the change to our process to include chloramination.The public will be notified prior to completion of this change-over.