

CITY OF GUELPH OPERATIONAL MODEL SUPPORT

Overview

The City of Guelph, Water Services Division has retained C3 Water Inc to provide ongoing water modeling services to support Water Operations. The City's water model is a full pipe **Infowater** model that operates over a 24 hour period and was recently calibrated utilizing a combination of field data and SCADA Data. The model was originally developed in part by the Operations group and has been a trusted tool relied on by operations when planning maintenance activities.

C3 Water Inc. has been retained by the City of Guelph Water Services Department Operations and Maintenance Group on an on-going basis to provide an assessment of the impact of planned maintenance and capital works on the operation of the Supply and Distribution system. Typical activities include assessment of the impact of the following on the water supply and distribution operation:

- elevated tank maintenance
- pump replacement
- source shutdown
- pressure zone realignment
- impact of new development.

Source tracing is also completed, and the assessments are typically done to manage the distribution system with the City's safe operating guideline criteria with respect to pressures, fire flows and storage and water quality (age).



Delivering Value Through the Water Cycle: Source to Tap, Tap to Source™

C3 Water Inc.
350 Woolwich St. S.
BRESLAU, ON
N0B 1M0
t. 519.772.9620
www.C3Water.com