

**Client**

City of Toronto  
Metro Hall

**Location**

Toronto, Ontario

**Services**

- Programming (Oracle, VB, ColdFusion)
- Commissioning
- Integration
- iHistorian
- Crystal Reports
- iFix

**Date**

2005

**Key Personnel**

Chris Murray, P.Eng.  
Jim guo  
Silvia Sawada

**Contract Value**

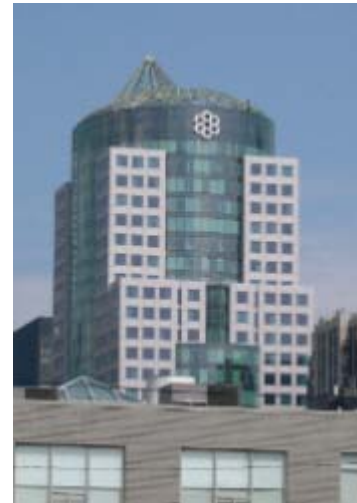
\$419,000.00

# Works Best Practices Program

## 2.4 Release

**Scope of Services**

Delcan was awarded the contract to deploy the data management system at the water and wastewater facilities. This contract included the configuration and tuning of the data collection (iHistorian), and implementation and configuration of operations and regulatory reports (Crystal Reports & ColdFusion) and the performance audit of the system.



**Project Description**

The Works Best Practices Program (WBPP) is a \$120 million strategic initiative that through the use of automation and state-of-the-art technology is committed to make the Water and Wastewater Services Division (WWSD) of the Works & Emergency Services Department a competitive leader in the water utility industry.

As part of the WBPP project, a multi-level system was developed to manage historical process data and to generate operations and regulatory reports for each of the water and wastewater facilities and the water transmission system.

The system captures data from 50,000 points sources based on By-Exception criteria, which generates more than 1 million time-stamped records per hour. Hourly aggregated values (Minimum, Average and Maximum) are loaded into a central PCS Historian Database to be utilised to generate plant production and regulatory reports. The data

is then consolidated with data from several other corporate databases in the Central Integrated Database (CID).