



**AWARDED**

Best SCADA  
Application Award and  
the Pinnacle Award

**2008 Wonderware Open**

*See back for details.*

# OCWA OUTPOST 5™

## Peace of Mind for Municipal Leaders

Your water usage levels are high, even at night. You suspect there are leaks in the system, but can't be sure. Repairs are expensive, especially if they're not necessary. So what do you do? The Ontario Clean Water Agency (OCWA) can help.

With an OCWA Outpost 5™ remote monitoring system, you can monitor the inflow and outflow of water and wastewater and use the data to evaluate the efficiency of your system, identify inconsistencies and compare results with other municipalities. In one Ontario community operators used Outpost 5™ to identify three major leaks. Locating and fixing them brought daily water losses down by more than 30%.



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

1-800-667-OCWA [www.ocwa.com](http://www.ocwa.com)

# OCWA Outpost 5™ is the smart, efficient way to monitor and manage water and wastewater

treatment facilities. It means round-the-clock monitoring every day of the year, and precise information and instant response whenever and wherever they are needed.

---

As a municipal leader, you are responsible for the safety of your water system. With Outpost 5™, you can maintain consistent service to your customers without compromising quality control or bruising your budget. OCWA Outpost 5™ is an investment in quality, reliability and peace of mind.

---

Under the Safe Drinking Water Act, municipal leaders are legally responsible to “exercise care, diligence and skill” in managing water systems. OCWA Outpost 5™ takes the worry out of living up to your responsibilities. It minimizes risk to your system, your customers and you.

## Water is our business

For more than 40 years, the Ontario Clean Water Agency (OCWA) has been operating water and wastewater facilities for hundreds of municipalities across Ontario. Why? Because water is our business. It’s what we know; it’s what we do. A lot has changed over the past four decades, and OCWA has remained on the leading edge, providing reliable, high quality, cost-effective products and service.

In our ongoing quest to be the best, we have developed Outpost 5™, a remote monitoring system that takes the guesswork out of municipal water system management.

## Cost-effective safety and security

Outpost 5™ is a proprietary integration of scripts and objects that enhances the Wonderware IAS software to create a technologically advanced Supervisory Control and Data Acquisition (SCADA) system specifically designed for water and wastewater management.

It consists of a number of remote monitoring units – one for each metering station, water tower, pumping station and plant in the water system. The units send their data wirelessly to a central hub where it can be viewed by an operator. If there’s a problem, the operator can pinpoint where it is, and in many cases fix it remotely.

The Outpost 5™ system includes alarming, trending, data acquisition and management tools that notify operations staff of any dramatic changes in the system. This process provides 24/7 support to the operations team allowing them to make informed decisions on how best to address water or wastewater challenges.

## Why Outpost 5™?

- Provides 24/7/365 monitoring of every system site
- Monitors the whole system, or zeroes in on a particular problem when it occurs
- Reduces the risk of human error
- Reduces staffing needs and overall operating costs
- Can easily be expanded as the water system expands
- Integrates with all major computer software
- Helps identify subtle process inefficiencies and water quality issues
- Generates reports easily and quickly
- Collects and submits data required for compliance efficiently
- Is backed by OCWA’s 40-plus years of experience

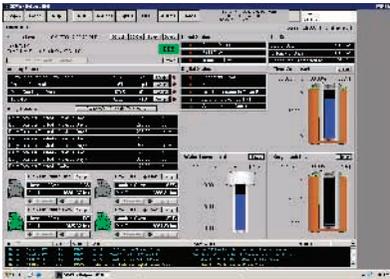
# OCWA OUTPOST 5™



## Navigation

There are two easy methods to navigate through Outpost 5™:

1. Use the overview map and click on the selected Facility Location
2. Click on the facility location list icon and select the required facility



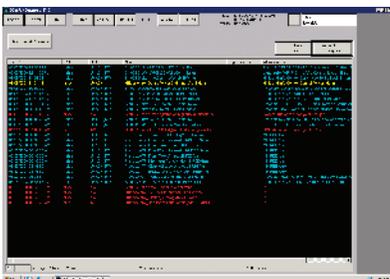
## Field Unit Display

This schematic is created from standardized templates, and displays graphical objects that represent equipment and locations. Objects can be displayed in a variety of formats to represent various pieces of equipment and information related to them. (e.g. alarms, on/off status, well levels, analyzer readings, etc.)



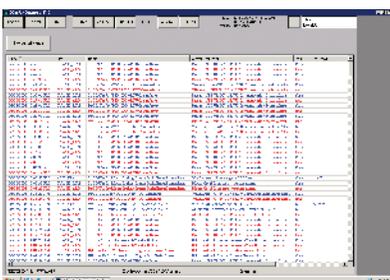
## Trending Reports

Trends for each facility, such as chlorine and turbidity levels, can be selected and saved for future retrieval as required. By double clicking a point of interest within the trend operators can easily obtain additional detail. They can also attach permanently stored notes with respect to the saved trends.



## Active Alarm Screen

This display shows a summary of current alarms and the status of those alarms – red, yellow, green. (This screen shot represents alarms at 41 Outpost 5™ locations over a period of 12 days)



## Historical Alarm Summary

The summary screen provides you and/or your operator with an overview of all alarms, what was recorded, when it was recorded, and who responded to the event either remotely by SCADA or directly.



At the 2008 worldwide Wonderware Open ceremony, OCWA was the proud recipient of the Best SCADA Application Award (*for innovative use of Wonderware on our Outpost 5™ system*) and the Pinnacle Award (*voted by peers as the best overall application*).

**For more information on OCWA's SCADA solutions  
and other Technical Services, contact:**

George Terry  
Vice President, Operations  
Northern Ontario and First Nations  
705 498 9458  
705 497 3859 (Fax)  
gterry@ocwa.com



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

1-800-667-OCWA [www.ocwa.com](http://www.ocwa.com)