




TOWN OF BARDSTOWN, KY

Water & Wastewater



The key to optimizing water district operations starts with proper monitoring of critical parameters such as tank levels, turbidity, pump control and run times. When Bardstown, KY Water and Wastewater District was looking for an advanced monitoring solution, they partnered with Scadata, Inc. to help improve efficiencies and provide higher quality service to its customers.

Through the implementation of Scadata's robust  software and state-of-the-art hardware, district personnel now have real-time access to system monitoring, data analysis, system control and site alarms. This has resulted in enhanced system reliability, improved performance and reduced energy costs.

District Services

The water and wastewater district in Bardstown, KY services a population of over 158,000 people across four counties, including Nelson, Bullitt, Perry and Walsh. Their operation is comprised of ten water towers, four water pumping stations and eleven wastewater lift stations, with Simpson Lake serving as their primary water source.






Complete Facility Overhaul

In 2004, Bardstown performed a complete overhaul of their water and wastewater facility. As part of the upgrade, they sought out an advanced solution for their monitoring needs. They required a cost-effective system that could provide high-quality service without interruption.

Bardstown worked with technology solutions partner Scadata for help in finding a real-time monitoring solution. Together they identified that a reliable radio network paired with a data management software program would be the most effective way to optimize operations, increase service levels to customers and ensure efficiencies in the distribution of district resources.

Cost-Effective Turn-Key Solution


The district chose to install  Scadata Software Suite, a premier turn-key application that provides real-time data collection through wired or remote connections. The software is connected to 31 points throughout the district, primarily using radio and Ethernet connections. District personnel found  easy to implement and operate, and unlike other software solutions, it did not require expensive or time-consuming computer programming.

Once in place,  allowed monitoring, control, analysis and management of large amounts of real-time data and historical data. In addition to monitoring data from the facility's personal computers, personnel were also able to access the web-based monitoring via their smart phones.

Real Results – Improved Performance

Installation of the Scadata Software Suite has improved communication, helped to optimize operations and enhanced public safety through the constant monitoring of real-time data.

One of the biggest changes for the district was the flexibility of the radios, as they're far more portable than those used with previous technologies. If radios in priority locations require service, it is now easy for the district to either replace that radio with a backup, or temporarily switch one out from a non-critical location.

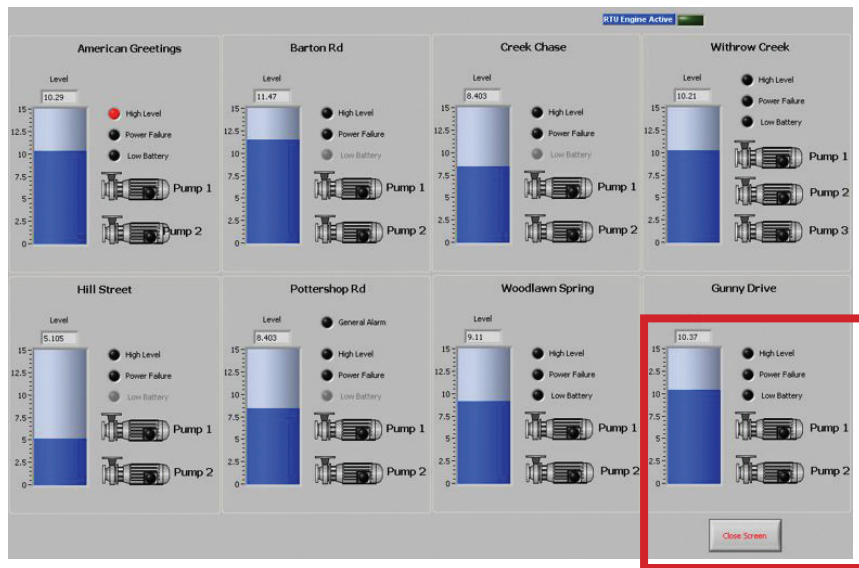
The district believes that having  Scadata Software Suite and Scadata Hardware in place has played a large part in the prevention of any catastrophic system failures. Being able to spot potential problems through the availability of real-time data has allowed the district to resolve issues quickly, avoiding costly and/or dangerous problems down the line.

BARDSTOWN, KY WATER & WASTEWATER

CASE STUDY

Custom Viewing Screens

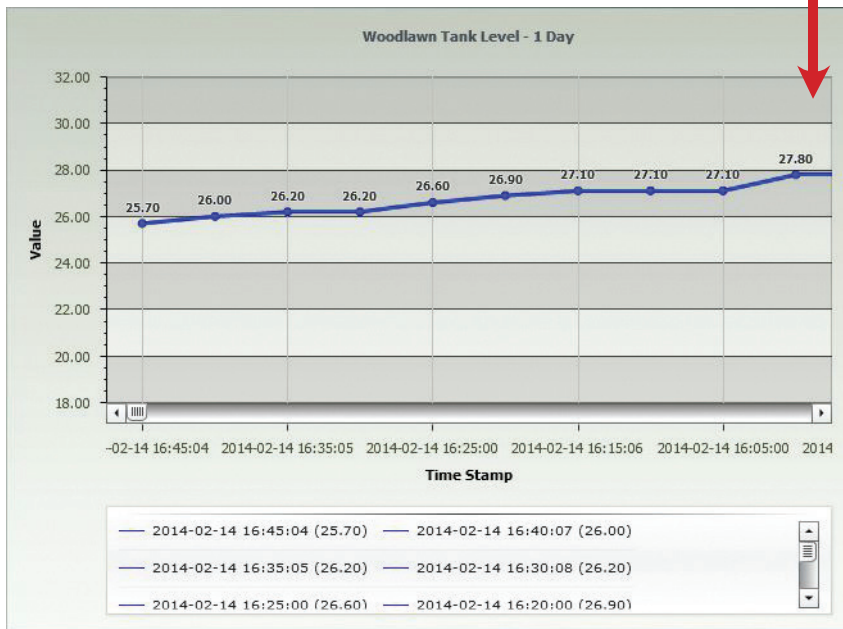
Scadata's Site Status Display Screen shows all sites and statuses on one screen—easy setup with customized functionality.



Customized site status display screen for Bardstown, KY.

Web-Based Reporting

Get full access to your SCADATA Suite 24 hours a day, 7 days a week via web-based reporting. View information such as tank level and flow on easy-to-read daily and weekly graphs.



Customized site report for Bardstown, KY's Woodlawn Tank. Shown: Daily graph for application tank levels, complete with time stamps.



A Tool for Compliance With:



Setting New Standards of Excellence

SCADA is an ideal solution for all of your SCADA needs. This premier turn-key set-up uses LabVIEW's trusted system design platform for easy implementation and operation.

System comes ready to use, right out of the box:

- No custom programming
- No custom software
- No extensive training

About Us

Scadata Inc. develops SCADA Solutions. Since 2002, our team of highly skilled programmers have devoted more than five years of combined programming hours to developing the SCADATA Software Suite.



Contact Information

Corporate Office
1818 Research Drive, Fort Wayne, IN 46808

866.623.0525 Phone
866.623.0526 Fax

www.Scadata.net

Scadata Software Suite is developed using LabVIEW

LabVIEW System Design Software is trusted by major corporations worldwide as their primary tool for creation of measurement and control systems.

