

VeriComm[®] Monitoring System



Do you
oversee

what's
underground?

Remote monitoring and control
for decentralized wastewater
treatment systems



Orenco Systems[®]
Incorporated

*Changing the Way the
World Does Wastewater[®]*

800-348-9843
orencocom
vericomm.net

VeriComm® “Smart” Telemetry Control Panels

Are you responsible for designing, developing, managing, operating, or regulating a decentralized wastewater treatment system?

If so . . .

- ✓ you need to know the system is operating
- ✓ you need to know that maintenance is being performed — and performed efficiently
- ✓ you need to know you can audit system performance and system reports
- ✓ you need to know the system is invisible (thus acceptable) to property owners



In addition to operating like other panels, the VeriComm Control Panel has four very “smart” functions: alarm management, data collection, troubleshooting, and advanced control logic (which recognizes float problems and makes self-corrections, based on historical trends).

VeriComm® Verifies and Communicates System Operation

Like you, our company stakes its reputation on the performance of onsite wastewater collection and treatment systems. That’s why we developed our VeriComm® Telemetry Control Panels and VeriComm Monitoring System. VeriComm verifies and communicates system operation, remotely — 24 hours a day, 7 days a week.

System Data is Secure but Accessible

The decentralized wastewater treatment industry has many stakeholders. We developed VeriComm as a secure, Web-based monitoring system, so the data it collects is password-accessible. Operating data, alarm histories, site notes, and system reports are permanently available in a robust SQL database, viewable and printable from a user-friendly Web page.



We're managing the first STEP system of its kind in Virginia — a 200-home development called “The Village at Tom’s Creek” — and it gives me confidence knowing we have the VeriComm system here. We love the fact that, when there’s an alarm, VeriComm gives a diagnosis code that tells you ‘this is what we think is wrong.’ And the remote control is fantastic. Our Utility Superintendent lives 28 miles away. If he gets an alarm in the middle of the night, he can just shut the pump off from his laptop at home, then go out to the site in the morning. No middle-of-the-night service calls. VeriComm is pretty cool!

— Kelly Mattingly, Director of Public Works, Blacksburg, Virginia

“VeriComm is pretty cool!”

VeriComm® Web-Based Monitoring System

VeriComm Saves Time and Money in O & M

VeriComm Control Panels, coupled with the VeriComm Monitoring System, save money on system operation and maintenance by . . .

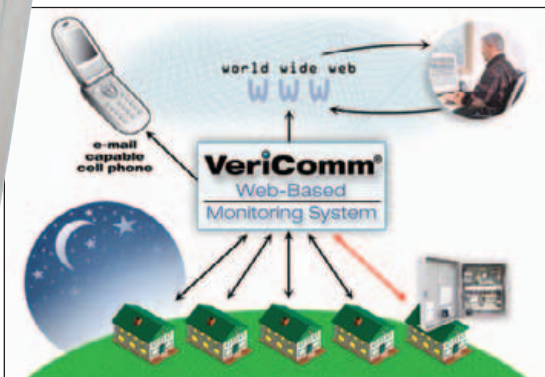
- notifying operators of alarms or alerts automatically
- diagnosing problems and making recommendations for action
- allowing operators to change many system settings remotely
- making self-adjustments via “artificial intelligence,” based on trend data
- resolving problems before they become serious

With VeriComm, operators can make many system adjustments via the Web, so they'll make fewer service calls. And, when they have to go out on a site visit, they'll know just what equipment to bring.

VeriComm Diagnoses the Following:

- High and low liquid levels
- Stuck float switches
- Pump failure
- Pump lockout from brownout
- Clogged filter
- Leaking tank
- Failed contactor
- Chattering contactor
- Excessive pump cycles/run time (a symptom of excess water use)

In addition to detecting and diagnosing, VeriComm also makes recommendations for action.



VeriComm Telemetry with Monitoring Works Quietly, Invisibly

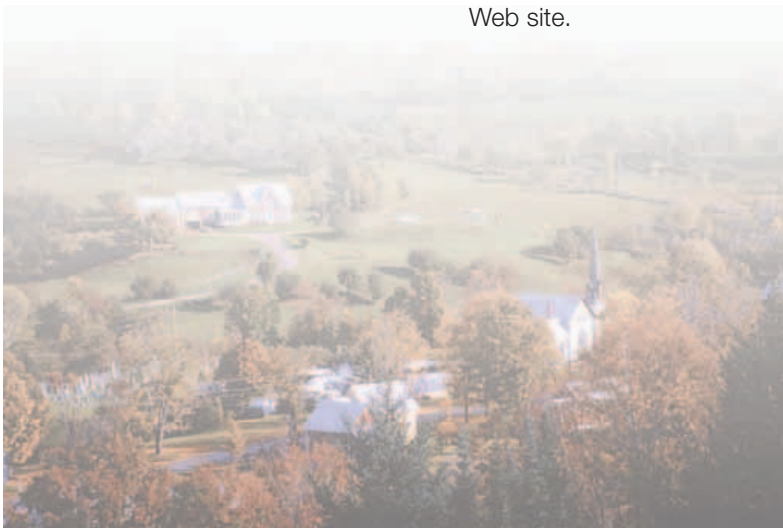
With VeriComm, “virtual O & M” is practically invisible to the property owner or resident. Here's how it works:

A telemetry-enabled VeriComm Control Panel is installed on a site. The panel calls the VeriComm Monitoring System, toll-free, to communicate operating data in the middle of the night . . . typically once a month. No dedicated phone line required.

If there is an Alarm or Alert condition, the panel calls in immediately, 24/7. A message is sent to the designated operator's e-mail-capable device (phone, pager, computer, personal digital assistant). Messages are re-sent, regularly, until the condition has been cleared.

All operating data is stored in the Monitoring System's database, where it is accessible via easy-to-read pages on our password-protected Web site.

Months to Date	Alerts	Total Alerts	Total Actions	Alerts	Completed	Failed
1	0	1	0	0	0	0



VeriComm® Affordable, Dependable, Intelligent

VeriComm is Priced for the Residential Market

VeriComm Control Panels cost only about \$250-\$450 more than a standard panel, without telemetry, for the same application (depending on the panel's complexity). And the monthly per site cost of the Monitoring System is very low. This means VeriComm technology can be added to a system for only a fractional increase in total project costs.

Another Carefully Engineered Product from Orenco Systems

The VeriComm System was specifically developed for the onsite industry by Orenco Systems, a company known for its leading-edge solutions. Founded in 1981, Orenco distributes its wastewater products and technologies all over the world.



For More Information

Go to www.orenco.com or to www.vericomm.net and click on the icon for our online demo (free Flash Player version 6.0 required). You can e-mail us right from the online demo, or call Orenco at **800-348-9843**.



Peace of mind...
that's what you get with
VeriComm's 24/7 System Monitoring.

Please note: The VeriComm Monitoring System requires a Windows or Macintosh OS PC with a connection to the Internet and Internet Explorer version 5.0 or higher.

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