



Onsite Monitoring Programs & Telemetry in Texas

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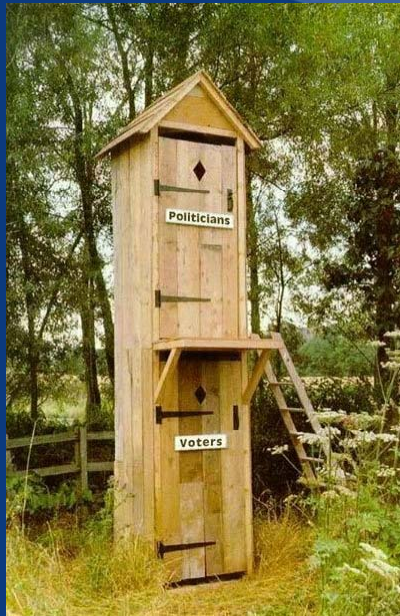
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- 💧 Over 700 employees.
- 💧 Business focus remains Public Health and Safety.
- 💧 Serving customers in over 100 countries.
- 💧 Over 200,000 certified products for more than 6,000 manufacturers worldwide.

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For nearly 40 years, NSF has provided standards, testing, certification and monitoring for the onsite wastewater industry.

- ◆ Assist manufacturers in demonstrating the performance of their products
- ◆ Assist regulatory officials in approving demonstrated proprietary technologies
- ◆ Assist buyers and property owners in selecting available products that can provide reliable treatment

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Wastewater Program Milestones

- ◆ 1965 Ann Arbor, MI Test Facility Opened
- ◆ 1970 Standard 40 Adopted
- ◆ 1978 Standard 41 Adopted
- ◆ 1997 EPA Cooperative Agreement - ETV
- ◆ 1999 Standard 46 Adopted
- ◆ 2001 Onsite Wastewater Inspector Accreditation
- ◆ 2003 Waco, TX Test Facility Opened
- ◆ 2005 NSF Onsite Monitoring Program
- ◆ 2007 Standard 245 Adopted

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Onsite Monitoring Programs in Texas

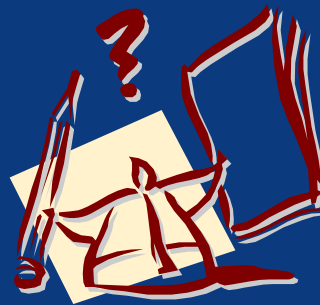


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Texas - Problems

- Fact: Advanced systems require regular maintenance in perpetuity
- Very high number of advanced systems in use in Texas
 - Regulatory oversight to protect public health difficult due to high number of systems
 - Service provider management of schedules and alarm responses difficult due to high number of systems

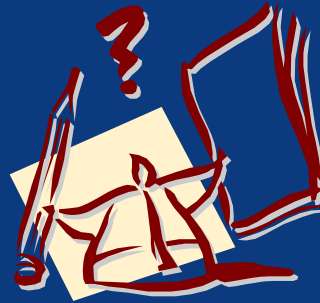


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Texas - Problems

- Fact: Advanced systems require regular maintenance in perpetuity
- ◆ Texas requires at least 3 inspections per year
 - ◆ Each inspection requires a report to be filed to regulatory agency = a million or more reports filed per year



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Texas - Problems

- Fact: Advanced systems require regular maintenance in perpetuity
- ◆ Property owner & regulatory agency have concerns of inspections not performed despite active service contract
 - ◆ Reliance on property owner to notify service provider of alarm activation



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Texas – Solutions

Onsite monitoring with telemetry component

285.7(e)(3) – Proposed Change

(3) The number of required tests may be reduced to two per year for all systems having electronic monitoring and automatic telephone or radio access that will notify the maintenance provider, or the owner if applicable under subsection (c)(4) of this section, of system or components failure and will monitor the amount of disinfection in the system. The maintenance provider shall be responsible for ensuring that the electronic monitoring and automatic telephone or radio access systems are working properly.

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Texas – Solutions

Onsite monitoring with telemetry component

Reduction of annual inspections to 2:

- ◆ 500 service contracts x 3 inspections = 1,500 inspections per year
- ◆ 500 service contracts x 2 inspections = 1,000
- ◆ 500 less inspections required = capacity to get 250 more service contracts with the same labor
- ◆ 33% reduction in inspections = opportunity to increase business at the same costs by 50%

- ◆ Harris County reduces inspections from 4 to 2 per year

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Texas – Solutions

Onsite monitoring with telemetry component

Alarm Notifications

- ◆ Automatically notifies service provider of alarm activation
- ◆ Notification typically via text message to cell phone, pager and/or email
- ◆ Automatic notification 24/7
- ◆ Does not rely on property owner

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Texas – Solutions

Onsite monitoring with telemetry component

Property Owner Benefits:

- ◆ Additional verification that service provider has been on-site and maintaining system
- ◆ Record of alarm activation and response
- ◆ Record of when inspections and maintenance are scheduled
- ◆ Record of when service contract will expire and require renewal

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Texas – Solutions

Onsite monitoring with telemetry component

Service Provider Benefits:

- ◆ Provide verification of service calls to property owners and regulatory agency
- ◆ Manage service business more efficiently
- ◆ Increase opportunities through greater efficiency
- ◆ Provide greater level of service and peace of mind to property owner with auto alarm notification
- ◆ Reduce paperwork by electronically filing inspection/maintenance reports

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Texas – Solutions

Onsite monitoring with telemetry component

Regulatory Agency Benefits:

- ◆ Receive verification of advanced treatment system service without leaving the office
- ◆ Dramatically reduce paperwork by electronic filing of inspection/maintenance reports
- ◆ Track alarm response times, inspection schedules, service contract expirations
- ◆ Auto-generate notices to property owners and service providers when schedules for inspections and contract expirations are overdue
- ◆ Manage onsite program more efficiently at lower cost – improve public health and safety

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Norweco Service Pro



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Orenco Vericomm



A VeriComm® (telemetry-enabled) control panel has a suggested retail price of about \$770. That's about \$300-400 more than a standard panel (without telemetry) for the same application.

There is also a nominal, one-time training and set-up fee of \$300 for a new "Subscriber" to the VeriComm® Monitoring System. A single subscriber, such as a utility company, can manage an unlimited number of operators and sites with only a single set-up fee.

The monthly, per site cost of the VeriComm® Monitoring System is very low. Orenco developed this product as a cost-saving tool for service providers and for the betterment of the onsite industry.

VeriComm®
DEMO monitoring system

Previous  Print Demo

Another Carefully Engineered Product from Orenco Systems®, Inc.

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ITEM	DESCRIPTION	LIST PRICE
WEB-BASED REPORTING SERVICE		
DP1-COMPACDIAL	COMMUNICATION PACKAGE DIALER	1,195.00
DP1-COMPACMODD	COMMUNICATION PACKAGE MODEM/DIALER	2,447.00
REMONCOM	REMOTE MONITORING EVENT W/ REPORT FOR COMMERCIAL	98.50
REMONRES	REMOTE MONITORING EVENT W/ REPORT FOR RESIDENTIAL	49.50
REMONWEB	REMOTE MONITORING WEB BASED MONTHLY RATE	3.99

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Carmody

Carmody™
Electronic Reporting & Data Co

Septic System Management Program

License & Setup Fee (One Administrative License)	\$999.00
Importing client's data	\$95.00/hr
Create Custom Service Reports	\$95.00/hr

Maintenance/Customer Support (Main office)	\$79-\$299.00/mo
(Each Branch Office)	\$19.00/mo

Web hosting, program updates, maintenance, unlimited database storage, web training, unlimited client support, one database update per quarter, password administration.

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NSF Onsite Monitoring Program

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Categories to choose from

- > Communication devices
- >> Service
- >>> Initial Service
- >>> Renewal Service

What should I order?

Payments Authorized By

 Credit card information is protected with Authorize.Net SSL 3.0 technology

Communication Devices

RMS-100 [See Photo](#) Landline unit, telephone cord required

Description	Unit Price
With 5x5 all-weather enclosure	\$100
Without 5x5 all-weather enclosure	\$90

RMS-300 [See Photo](#) Landline cordless telephone unit

Description	Unit Price
With 5x5 all-weather enclosure	\$163
Without 5x5 all-weather enclosure	\$148

RMS-312 [See Photo](#) Landline cordless telephone unit

https://www.nsf.org/onsite_monitoring_ordering/...




RMS-300 unit shown without 5x5 all-weather enclosure.

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NSF Onsite Monitoring Program

Harris County

- 4) Effective October 1, 2006 the following electronic monitoring protocol shall be enforced:
- All new OSSF systems requesting a variance and utilizing any pumps or other electrical equipment or commercial systems installed requiring ongoing maintenance by these rules shall be electronically monitored. Other systems may be electronically monitored to reduce the number of required maintenance visits.
 - The electronic monitoring shall be provided by Harris County's contract provider. The contract provider will contract at the County approved rate for this service in accordance with County procedures.
 - Electronic monitoring must be continuously maintained.
 - Systems electronically monitored will not require the submittal of paper maintenance reports to the County unless a major component affecting the design of the system is altered, or the contract for maintenance has not been renewed.

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NSF Onsite Monitoring Program

Harris County estimates:

- ◆ Approximately 13,000 advanced systems in the ground
- ◆ Annual savings to the County of approximately \$250,000 as a result of management via monitoring program and e-filing of reports
- ◆ Every system is tracked

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Onsite Management Software Without Telemetry

- ◆ U.S. EPA TWIST
- ◆ Applitech, Inc. CASST
- ◆ eOnsite
- ◆ SAFE Software

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Government Agencies & Monitoring

- ◆ Texas
- ◆ Florida
- ◆ California
- ◆ Iowa
- ◆ Ohio
- ◆ Maryland
- ◆ Rhode Island
- ◆ Arkansas

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Wastewater Services

NSF has a long history in onsite wastewater treatment, spanning the past 40 years. Collectively, NSF's services deliver confidence to consumers, assurance of performance to public health officials, and market access for product manufacturers in the onsite wastewater treatment industry.

To view an interactive diagram of all the wastewater-related services that NSF provides, **click on the image below.** (Requires Flash 6)



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Questions & Answers

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