

# THE NJEX GENERATION...



## *The NJEX Generation Has...*

### *Application Specific Development*

*Beginning in 1990 with the introduction of the NJEX 7100 system, YZ defined the Total System approach to odorization. In 1992 our concept of application specific development resulted in the creation of a generation of standard odorization systems. The NJEX 6200/7200/8200 represent the first generation of solar-powered systems built on a standard platform comprised of; an injection pump, an odorant meter, and a low-power microprocessor controller with system audit-trail and performance software.*

*Understanding the expanding needs of our industry, the real question now is... "How will the NJEX generation of Odorant injection systems address industry needs?" With the introduction of the NJEX 6300/7300/8300 systems, YZ again answers the question with application specific development and new technology.*

## *The NJEX Generation Means...*

### *Positive Injection*

*The safety of our communities depend on the safe use of natural gas. Proper odorization relies on the accurate injection of uncontaminated odorant into the gas transmission or distribution system. The NJEX generation of odorization systems employ our rugged, field-proven, positive-displacement pump, designed specifically for odorant applications. The NJEX series pumps are volumetrically adjustable and positively inject precise repeatable increments of liquid odorant. Designed for endurance, the NJEX pumps utilize a modular design for ease of maintenance.*

### *Precise Odorant Measurement*

*The NJEX generation of odorant systems provide accurate measurement of injected odorant. The capabilities of the new NJEX Verometer expand the operational flow ranges of the NJEX 6300/7300/8300 systems. With an ultrahigh resolution of .001 lbs. of odorant, and self-compensated for temperature, the NJEX generation of odorization systems provide greater performance information than ever before.*

### *Advanced Micro-Processor Control*

*For the NJEX generation of odorant systems YZ has specifically designed the most advanced dual microprocessor based controller available in the industry. The powerful N-300 controller operates on a self-contained, solar-charged battery system, designed to provide up to 30 days of worry-free operation without requiring auxiliary power.*

*Easy to use, the N-300 controller provides local and remote programming access. With the automated upload-programming feature, available through the use of the Sentry4 Memory Module, the technician can plug in the module, turn the NJEX system on, and upload the parameters automatically. Operation and programming information is locally displayed via a 4 line 20 character Alphanumeric display.*

*While incorporating advanced features the new NJEX N-300 controller provides all the features you have come to depend on and more...*

YZ

# ...IS INTERACTIVE

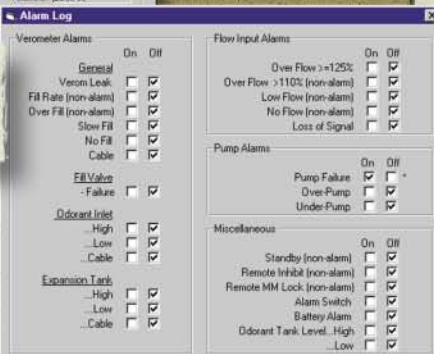


Right, the QuickView report screen from Sentry4 provides a color coded snapshot of NJEX system operation.

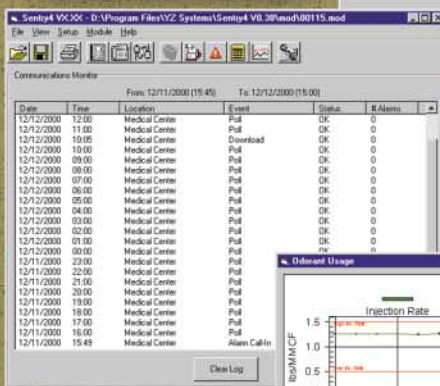


Left, the Parameter File Editor allows quick review and modification of each NJEX system's operating parameters remotely.

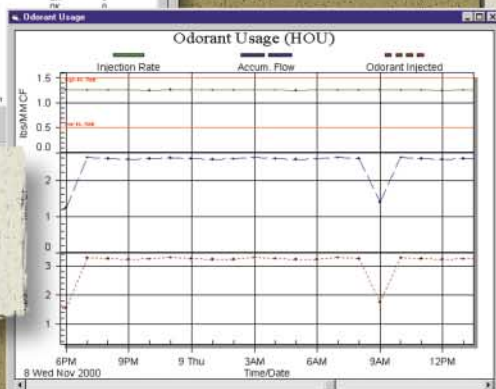
Right, the new Sentry4 Alarm Log allows instant identification of system alarms.



Below, the new Communications Monitor Screen provides automatic notification of dial-inbound alarm reporting and scheduled system polling.



Right, after downloading the NJEX system log, the operational history of each NJEX system can be graphically viewed without a trip to the field.



## Remote Communication

The new NJEX system is ready to communicate through the use of Modbus™ protocol which supports both RTU and ASCII formats. Every new NJEX system, as a standard feature, provides two RS-485 commlinks which are configurable for either redundant SCADA communication or one SCADA commlink and one direct Sentry4 commlink. This allows remote communication of specific system alarms, injected odorant volumes, remote programming, and remote system standby activation.

## Interactive In Real Time

To communicate data is not enough, an ability to quickly interact based on the information we receive in real-time is important to be effective. Implementing our commitment of application specific development, YZ designed the new Windows™ based Sentry4 software system specifically for odorization system management and interactive remote communication. With the new Sentry4 software, the user is now on-line and interactive with the system. System control operations, system programming, and alarm status information is now accessed remotely. The new NJEX Sentry4 Software allows the remote downloading of NJEX system performance history for audit trail purposes and analysis.

Troubleshooting the system is easy using the Sentry4 QuickView screen where a snapshot of critical real-time subsystem information and alarm status is graphically displayed. This allows the technician to remotely view and react to the entire system operation at a glance without requiring a site inspection.

If programming changes are required, the Sentry4 enables the technician to remotely program the new NJEX series systems at a press of a button.

## Service & Support

At YZ Systems this is nothing new. Our on-line technical service support is available 24 hours a day, 365 days a year. Additionally, a factory trained field technician can be on-site within 24 hours in most cases. With the new Sentry4 software our on-line technical service support enters a new dimension of remote troubleshooting assistance.

## Green System Operation

At YZ our systems are designed to minimize the impact on our environment without sacrificing safety for our communities. That's why our system's design minimizes the potential of odorant leakage, incorporates "closed-loop" purging sequences to allow odorant free maintenance, and does not require the flaring of the bulk storage tank during the direct fill process.

™ Modbus is a Trademark of Modicon, Inc.