

For more information on training, visit our  
website at:

[www.nyruralwater.org](http://www.nyruralwater.org)

Don't forget to join us at Turning Stone  
Convention Center in Verona for our...  
39<sup>th</sup> Annual Technical Training  
Workshop and Exhibition  
May 21 – 23, 2018.

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***LIMITED ATTENDANCE***

***- 30 -***

Please pre-register as soon as possible

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Register by fax or mail only to:

**NEW YORK RURAL WATER  
ASSOCIATION**  
P.O. Box 487  
Claverack, NY 12513  
Fax: (518) 828-0582  
Phone: (518) 828-3155  
for more information

**Speakers for this session:**

Ron Wakefield, Cyclops Process Equipment  
Jason Opferbeck, Opferbeck Consulting Inc.

**Please Note** – If you wish to cancel your  
registration for this session, you must do so  
within 3 business days prior to the session to  
receive a refund. Otherwise, you will be  
responsible for payment.

NYS DOH / NYS DEC is expected to grant  
6.0 contact hours toward recertification.  
**NO HOURS FOR PARTIAL ATTENDANCE**



**WASTEWATER/WATER  
TRAINING SESSION**

**Asset Management &  
Communication -  
Troubleshooting Control  
Modules and  
Chemical Feed Pump Maint.**

**Date:** April 12, 2018

**Location:** **Frankie & Johnny's**  
205 Main Street  
Hurleyville, NY 12747

**For:** Sullivan, Delaware, Ulster and  
Orange counties.

**MORNING SESSION**

7:30 - 8:00 Registration  
8:00 - 10:00 am **Chemical Feed Pumps:**

- Configuration, Control and Calibration
- Pump selection, materials and sizing
- System considerations
- Manual and Automatic control plans
- Calculations for flow-paced feed

This class will teach how to implement a robust chemical feed program or improve an existing system.

The operation and limitations of chemical feed pumps will be discussed. Attendees will learn to calculate feed rates to maintain desired concentrations. There will be a hands-on portion where attendees will learn to properly install, configure and calibrate metering pumps.

10:15 - 12:15 pm **Troubleshooting Control Modules**

Instrumentation, Controls and Telemetry  
Troubleshooting: Late night and Weekend Edition

- Safety First
- Control circuit diagrams: Decoding ladder diagrams
- Power supplies, timers and relays
- Analog signals and how to measure them  
4-20mA loops, Ground loops
- Programming controllers and VFD's
- Radios, Cell Modems, and WiFi

The purpose of this class is to give attendees enough information to troubleshoot control systems and keep a plant running long enough to effect proper repairs. It will also help them better communicate with vendors' technical support personnel. This is intended to teach attendees to identify components, determine if "something obvious" is malfunctioning, and fix some simple things. They will also learn some ways to avoid future problems.

**Asset Mgt/Comm - Troubleshooting -  
Chemical Feed Pump Maint.  
April 12, 2018**

**AFTERNOON SESSION**

12:15 - 1:15 pm Lunch

1:15 - 3:15 pm **Asset Management**

This presentation will demonstrate how to utilize Geographical Information Systems with an Asset Management Platform for Water/WW systems, how to integrate a GIS with an Asset Management Platform, how easy it is to input points for valves, hydrants, lift stations, manholes, lines and cross connections just to list a few.

- Attendees will observe how simple it is to:  
Use - simple solution.  
Access - from a pc, laptop or any mobile device, users are able to connect via the internet.  
Understand - easy functionality.  
Implement - quick and efficient.

**Communications**

This demonstration will show attendees how remote monitoring and data collection equipment easily scales and provides reliable and dependable information.

- Attendees will learn the communications of remote monitoring systems.
- observe how cost-effective communication systems are along with the cost savings to one's budget annually.
- particular features such as alarms and alerts communication systems allow to manage facilities remotely.

3:30 pm Closing Remarks/Certificates

PLEASE DETACH AND RETURN  
PRIOR TO April 2, 2018

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**PRE-REGISTRATION FORM**

**April 12, 2018 - Hurleyville, NY**

All information MUST be filled out.  
(Please use a separate form for each attendee)

**Personal Information**

Name: \_\_\_\_\_

Home Address: \_\_\_\_\_  
\_\_\_\_\_

DOH Cert.# \_\_\_\_\_ DEC Cert.# \_\_\_\_\_

System: \_\_\_\_\_

County: \_\_\_\_\_ Phone: \_\_\_\_\_

*e-mail address:* \_\_\_\_\_

**Member of NYRWA YES or NO**

SPDES# \_\_\_\_\_ PWSID# \_\_\_\_\_

**Billing Information**    \_\_\_ same as above

System/Company Name: \_\_\_\_\_

Billing Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_

***SESSION FEE \$ 25.00***

*(fee includes meals and facility fees)*

**Send registration form & payment to:**

New York Rural Water Association

PO Box 487 - Claverack, NY 12513

or fax: (518) 828-0582