

For more information on training, visit
our website at:
www.nyruralwater.org

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

LIMITED ATTENDANCE

- 40 -

Please pre-register as soon as possible

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: March 27, 2018

Location: Fire Hall
753 NYS Route 442
Peru, NY 12972

For: Clinton, Essex, Franklin, Hamilton
and Warren 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.**

March 27, 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 March 17, 2018



PRE-REGISTRATION FORM

March 27, 2018 - Peru, 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 \$ 24.00
(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