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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



**WATER
TRAINING SESSION**

Nitrate Reduction & Corrosion Control

Date: April 24, 2018

Location: Koester Associates
3101 Seneca Turnpike
Canastota, NY 13032

FOR: Madison, Onondaga, Oneida,
Chenango, Cortland and Oswego
counties.

MORNING SESSION

7:30 - 8:00 Registration

8:00 - 10:00 am

Nitrate Reduction Methods

Discussion Elevated and increasing nitrate levels in groundwater are of significant concern to water utilities across the US that depends on groundwater as a source of drinking water. Physical chemical methods, such as ion exchange and reverse osmosis, can reduce nitrate levels in the treated water but these technologies are expensive to operate in part due to the need to dispose of a concentrated waste stream.

10:15 - 12:00 noon

Conventional biological systems remove nitrate by biologically converting it to nitrogen gas, however conventional biological systems have long start-up times, are susceptible to process upsets and produce sludge streams that require management. The presentation discussed an innovative biological treatment system that was implemented at Sunny Slope Water Company resulted in California Department of Health (now Division of Drinking Water (DDW)) granting Conditional Acceptance of the technology

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.

**Nitrate Reduction –
Corrosion Control
April 24, 2018**

AFTERNOON SESSION

12:00 – 1:00 pm Lunch

1:00 - 3:30 pm

Corrosion Control for Water Treatment
Phosphate properties and uses. The use of phosphates in water systems can greatly improve the quality of the water, in addition to protecting the system from costly corrosion. Phosphates may be a viable option for small or medium drinking water systems for iron and manganese sequestration and corrosion control.

Specific uses of phosphates:

Applied to municipal water systems they are typically used for three purposes: corrosion control, sequestering and microbiological or biofilm control.

3:30 pm Closing Remarks/Certificates

Speakers for this session:
Rich Ross, Westech Engineering
Loren Swears, Slack Chemical

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

PLEASE DETACH AND RETURN
PRIOR TO April 16, 2018

PRE-REGISTRATION FORM
April 24, 2018 – Canastota, 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 \$18.00
(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**