

For more information on training, visit  
our website at:  
[www.nyruralwater.org](http://www.nyruralwater.org)

OBJECTIVE: Attendees will gain an  
understanding of water well problems  
and effective solutions.

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***LIMITED ATTENDANCE***

***- 40 -***

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



WATER  
TRAINING SESSION

# *Water Well Rehabilitation*

Date: March 6, 2018

Location: Maybrook Senior Center  
111 Schipps Lane  
Maybrook, NY 12543

FOR: Orange, Rockland, Putnam, Sullivan,  
Dutchess and Ulster counties.

**MORNING SESSION**

8:00 - 8:30 Registration

8:30 - 10:00 am

- economic advantages of efficient water wells
- benefits of well rehabilitation technology
- typical well construction methods used in the region
- components of water wells, (casing screens, pumps) and definition of basic water well terminology
- basic water well hydraulics
- iron bacterial problems
- summary outline of the mineral, biological and physical reasons for well blockage

10:15 - 12:00 noon

- biofouling of wells
- understanding problems of wells
- how physical well blockage can occur: drilling fluids, fines migration and sand pumping
- types of flow blockage
- sources of blockage from drilling mud

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

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.

**Speaker for this session:**

Neil Mansuy, Subsurface Technologies

# Well Rehabilitation

March 6, 2018

**AFTERNOON SESSION**

12:00 – 1:00 pm Lunch

1:00 - 2:30 pm

- chemical remediation methods
- well rehabilitation equipment
- necessary steps for effective rehabilitation
- outline of principal mechanical techniques available for well rehabilitation
- swab and bail, blasting, wire brushing etc.
- presentation of a selection of well rehabilitation experience to illustrate the process of diagnosing the cause of declining well yield and the importance of matching solution(s) to the problem(s)
- cost-benefit evaluation of well rehab
- physical methods and aqua freed well rehabilitation experience

2:45 - 4:00 pm

- new concepts in well maintenance
- case studies of effective well maintenance
- private well owner rehabilitation alternatives
- what preventive maintenance procedures are available to owners?
- Aqua Guard—very cost effective well maintenance technology

4:00 pm Closing Remarks/Certificates

Is your utility / organization a member of the New York Rural Water Association? If not, you should consider joining the over 1400 that are, and share in the benefits!  
For more information, please call (518) 828-3155.

PLEASE DETACH AND RETURN  
PRIOR TO March 1, 2018

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**PRE-REGISTRATION FORM**

**March 6, 2018 – Maybrook, 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 \$17.00***

(includes: breakfast, lunch, training materials)

**Send registration form & payment to:**

New York Rural Water Association

PO Box 487 - Claverack, NY 12513

or fax: **(518) 828-0582**