

WATER WELL DESIGN & CONSTRUCTION WORKSHOP

An Engineered and Scientific Approach for Constructing Efficient Ground Water Production Wells



DATE:
Thursday, April 12, 2018

TIME:
8:00 am - 4:00 pm

LOCATION:
The Centre at Sycamore Plaza
5000 Clark Avenue
Lakewood, CA 90712

PRICING:
\$150 for AWWA Members
\$250 for Non Members

**This workshop is eligible for
up to 7.0 contact hours.**

Workshop Description:

This workshop will highlight the critical components associated with the design and construction of a municipal ground water production well. The workshop presentations will address the major steps involved in the well construction process including siting criteria, material selection, formation sampling, gravel pack selection, screen slot size selection, well development, pump selection and well performance evaluation. Proper application of these design and construction techniques can maximize the well's production potential and service life. Additional topics will include the definition of well efficiency and a discussion on the hydraulic losses that contribute to drawdown in the well. The primary goal for designing and constructing an efficient well is to minimize the hydraulic losses which will reduce the drawdown in the well, thereby resulting in lower pumping costs for the well owner.

Sponsored By: CA-NV AWWA Water Well Technology Committee

Visit www.ca-nv-awwa.org for more information
or call the Section Office at 909.481.7200

 American Water Works Association
California-NevadaSection

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Water Well Technology Workshop

April 12, 2018

The Center at Lakewood

Preliminary Agenda

- 8:00 – 8:15 Opening Remarks
- 8:15 – 9:00 **Data Review and Regulatory Compliance Requirements for Developing a Preliminary Well Design;** Anthony Hicke, Richard C. Slade & Associates
- 9:00 – 9:45 **Well Design Considerations Using Life-Cycle Cost Analysis;** Chris Coppinger, Geoscience Support Services
- 9:45 – 10:30 **Well Drilling Techniques and Logistical Challenges;** Ted Caldwell, Roscoe Moss Company
- 10:30 – 10:45 BREAK
- 10:45 – 11:30 **Well Casing & Screen Design Principles;** Kevin McGillicuddy, Roscoe Moss Company
- 11:30 – 12:45 LUNCH (provided)
- 12:45 – 1:30 **Borehole Analytics Using Geophysical Logs;** Michael Ridder, Pacific Surveys
- 1:30 – 2:15 **Final Well Design Utilizing Borehole Data;** Russ Kyle
- 2:15 – 3:00 **Pump Design and Selection Procedures;** Cris Hepburn, Layne Christensen
- 3:00 – 3:45 **Well Efficiency Evaluation & Performance Optimization,** Dennis Williams, Geoscience Support Services
- 3:45 – 4:00 Final Q & A, Adjourn

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Registration Form

AWWA Member \$150 / Non-member \$250 – Lakewood – April 12, 2018

Attendee Name: _____

Attendee Mailing Address: _____

City: _____ State: _____ Zip: _____

Cell Phone: _____ Home Phone: _____

Attendee E-mail: _____

Company Name: _____

Company Address: _____

City: _____ State: _____ Zip: _____

Company Phone: _____ Fax: _____

AWWA Member #: _____

***Registration will not be processed without PAYMENT**

Make checks payable, in U.S. funds, to CA-NV AWWA

Check # _____ PO # _____
(Must be accompanied by a physical copy of the Purchase Order)

Payment Method: Credit Card: Visa ___ MC ___ AMEX ___

Name on Card: _____

Credit Card # _____

Exp. Date: _____ Billing Zip Code: _____

Authorized Signature: _____

Total Amount Due: _____

If you need a copy of your receipt, please enter e-mail address:

E-mail _____

To register or cancel your registration at any time, please contact Shobhana at 909.291.2117.

Please fill out this form completely and mail to:

**CA-NV Section AWWA
10435 Ashford St., 2nd Floor
Rancho Cucamonga, CA 91730**

Or you can fax it to **(909) 291-2107** (secure fax line). Or email it to **schickarmane@ca-nv-awwa.org**

CONTACT HOURS

All Contact Hours are emailed. In order to receive your Contact Hours, you must include your email address on this form. For attendance verification you must sign in and out. You must be in attendance for the full time in order to be awarded full credit. If your attendance cannot be verified you will not be issued Contact Hours. The Contact Hours advertised by the CA-NV AWWA are only an estimate, final hours are determined upon an audit of your record. It can take up to 30 days to process and issue your Contact Hour certificates.

CA-NV AWWA CANCELLATION POLICY

Requests for refunds and requests for transfers must be made in writing and are subject to the following conditions: Full refund of fee paid (minus \$50.00 handling fee) will be issued for cancellations received more than two weeks prior to class date. All fees are non-refundable thereafter. Transfers are based on the availability. No transfer requests will be authorized within 72 hours prior to the class date.