

Speakers:

Diane Lawver:

Quality Assurance Solutions is a quality systems consulting company established 1999 by Diane Lawver for both public and private environmental testing laboratories that wish to continuously improve their quality systems. Diane has extensive experience as a Laboratory Director and as a Quality Assurance Officer for large privately held environmental testing laboratories since 1989. Between 1985 and 1989, she worked for the City of Colorado Springs Water Quality Laboratory as a GC/MS Chemist. Ms. Lawver has been a member of WEF since 1989 and was selected for the Quality Assurance award in 1997 by the San Francisco Bay Section of CWEA. She has been an AWWA member since 1985. In 2008, she was the recipient of the Crystal Crucible Award for promoting professional development amongst CWEA members. Ms. Lawver brings 25 years of environmental testing experience to this meeting.

William (Bill) Ray:

Bill received his Bachelor's degree in Chemistry from UC Irvine, followed by a Master's in Chemistry from Cal Poly Pomona. Currently he serves as the State Board Quality Assurance Officer Manager. Many of Mr. Ray's daily duties include the development of the Board's Quality Management Plan, reviewing data quality issues, and assessing quality systems in the various State and Regional Board programs. Mr. Ray started his career at a full-service commercial laboratory located in Southern California where he was involved with everything from bacterial to ocean monitoring. Mr. Ray then went to work for the State at the Colorado River Regional Water Quality Control Board in their one-man laboratory. After some time he transferred to the Sanitation and Radiation Laboratory in Health Services eventually moving over to laboratory certification. Mr. Ray was also in ELAP for 5 years before transferring to his current position with the State Board of California.

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California
Water
Environment
Association

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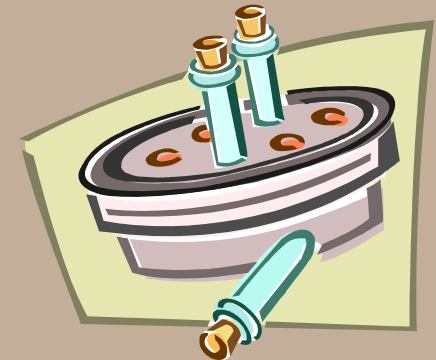
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CWEA Specialty One-Day Workshop

Methods Update Rule and I2 Essential QC Elements for the Top Ten Procedures in Wastewater Labs

Learning Objectives

- ◆ **Gain access** to industry-recognized references to use for implementing the I2 essential QC elements
- ◆ **Find out** what to do when wastewater testing methods are silent and industry-recognized references are unavailable
- ◆ **Be part of** an open forum to discuss difficulties encountered at the bench and share best practices to assure accurate and precise data



Tuesday,
May 17, 2011
San Ramon, CA
&
Thursday,
May 19, 2011
Playa Del Rey, CA

Brought to you by CWEA,
Its Laboratory Committee,
San Francisco Bay Section,
and
Tri-Counties Section

Workshop Information:

Workshop Overview:

With new regulatory information becoming available, it is critical to be prepared and up-to-date with the latest regulations. The presenters will detail how to approach implementation of the 12 essential quality control elements for the top 10 testing procedures performed in wastewater labs.

Who Should Attend:

- ◆ Lab Personnel
- ◆ Environmental Compliance Inspectors
- ◆ Operations Managers
- ◆ Operations Staff
- ◆ Anyone that reviews laboratory data

Vocations this training applies to for Recertification Contact Hours:

- ◆ Environmental Compliance Inspectors
- ◆ Laboratory Analyst

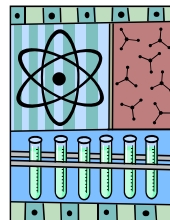
Conference Schedule:

8:00 - 8:30 am	Registration
8:30 - 8:45 am	Introduction to EPA's Proposed/ Final Rule (September 2010)
8:45 - 9:15 am	Overview of 12 Essential QC Elements
9:15 - 10:15 am	Discussion and guidance for the 12 QC elements for microbiology methods.
10:15 - 10:30 am	Break
10:30 - 11:00 am	Discussion and guidance for the 12 QC elements for BOD, DO
11:00 - Noon	Discussion and guidance for the 12 elements for suspended solids, settleable solids, TDS, chlorine residual, and pH. Handling MDL Studies.
Noon - 1:00 pm	Lunch is Provided
1:00 - 2:00 pm	Discussion and guidance for the 12 essential QC elements for trace metals by AA, ICP, ICP-MS
2:00 - 3:00 pm	Discussion and guidance for the 12 essential QC elements for volatile, semi-volatile, and pesticides by GC, GC-MS
3:00 - 3:15 pm	Break
3:15 - 4:00 pm	Brief discussion on the 12 essential QC elements for other tests such as WET, radiochemistry, Cyanide, Ammonia, etc

EARN UP TO 7.2 CONTACT HOURS

Location Dates and Addresses:

Tuesday, May 17, 2011
Wedgewood Banquet Center
9430 Fircrest Lane
San Ramon, CA 94583



Thursday, May 19, 2011
Hyperion Treatment Plant
Harry Pregerson Building, 1st Floor
12000 Vista Del Mar
Playa Del Rey, CA 90293



CWEA Specialty Conferences
7677 Oakport Street, Suite 600
Oakland, CA 94621
Phone: 510-382-7800 ext. 125 Fax: 510-382-7810
Register online at www.cwea.org/conferences

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Phone	Fax Number
Emergency Contact	Phone

Member CWEA , WEF or CA-NV AWWA Mbr # _____
 (Current membership required for member rates.)
 Non-Member
 Special Services: Please check here if you require special accommodations to fully participate. Attach a written description of your needs.

	Tues 5/17	Thurs 5/19
Register for:	San Ramon	Playa Del Rey

Early Bird Member Rate Before May 3rd	<input type="checkbox"/> \$135	<input type="checkbox"/> \$135
Early Bird Regular Rate Before May 3rd	<input type="checkbox"/> \$201	<input type="checkbox"/> \$201
Member Rate After May 3rd	<input type="checkbox"/> \$155	<input type="checkbox"/> \$155
Regular Rate After May 3rd	<input type="checkbox"/> \$221	<input type="checkbox"/> \$221

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If more than one person from your agency will attend, please photocopy and submit one form for each person.

Written cancellation notice is required, and must be received at least 15 days prior to the conference date. A 25% service fee shall be retained on all cancellations. No refunds shall be given for cancellations made less than 15 days prior to any conference.

All fees for conference registration shall be paid in full at the time of pre-registration or on-site registration. Full payment may be made by credit card, personal check or company/agency check. Purchase orders are acceptable and must be attached to the registration form. Registrations received by CWEA without full payment or purchase order will not be processed.

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