Speakers:

Diane Lawver:

Diane Lawver is the founder of Quality Assurance Solutions, a consulting company established in 1999. She is a laboratory director and a quality assurance officer manager with extensive experience in the environmental testing industry. Ms. Lawver has been a member of CWEA 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 2000, she was the recipient of the Crystal Oakdale Award for Promoting Professional Development amongst CWEA members. Ms. Lawver brings 25 years of environmental testing experience to this meeting.

Bill Ray:

Bill Ray received his Bachelor's degree in Chemistry from UC Irvine, followed by a Masters 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 in Southern California where he was involved with everything from bacterial to ocean monitoring. Mr. Ray then went to work for the California Water Quality Laboratory in Health Services eventually moving over to laboratory certification. Mr. Ray was also in ELAP for 5 years before transitioning to his current position with the State Board of California. Between 1995 and 1996, he worked for the City of Colorado Springs Water Quality Laboratory as a QA/QC Chemist. Mr. Lawver has been a member of AWWA since 1998 and is a Quality Assurance Officer for large private and public environmental testing laboratories that wish to continuously improve their quality systems. During this time, he has extensive experience as a Laboratory Director and as a Quality Assurance Officer for large private and public environmental testing laboratories that wish to continuously improve their quality systems. During this time, he has extensive experience as a Laboratory Director and as a Quality Assurance Officer for large private and public environmental testing laboratories that wish to continuously improve their quality systems.

Methods Update Rule and 12 Essential QC Elements for the Top Ten Procedures in Wastewater Labs

Learning Objectives
- Gain access to industry-recognized references to use for implementing the 12 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
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

Vocations this training applies to for Recertification Contact Hours:

♦ Environmental Compliance Inspectors
♦ Laboratory Analyst

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