

1. **Recognized Provider:**
Diane J. Lawver
2. **Job title/Organization, Corporation or Agency Name:**
President/Owner; Quality Assurance Solutions, LLC
3. **Work phone number:**
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6. **Title/Description/Number of Continuing Education Contact Hours of courses offered:**
 - Generating Legally Defensible Data: A Field Sampling and Testing Perspective (2.5 Hours. Includes Ethics Training for Drinking Water and Wastewater Field/Treatment staff)**
 - Generating Legally Defensible Data: A Distribution System and Testing Perspective (2.5 Hours. Includes Ethics Training for Drinking Water Field/Distribution staff)**
 - Comprehensive Ethics & Integrity for Environmental Laboratory Professionals (2.5 Hours)**
 - Refresher Ethics & Integrity Training for Environmental Laboratory Professionals (1.5 Hours)**
 - Data Quality Assessment: Rules and Reality for Handling Compliance Monitoring Data (2.5 Hours)**
 - Establishing and Maintaining an Effective Quality System for Laboratory and Field/Distribution System Testing (2.5 Hours)**

RP Biographical Data:

Biography for Diane Lawver

Quality Assurance Solutions, LLC was established in 1999 by Diane Lawver. Quality Assurance Solutions is a quality systems consulting company for both public and private environmental testing laboratories who wish to continuously improve their quality systems. Diane Lawver 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. In 2008, she was the recipient of the Crystal Crucible Award for promoting professional development amongst CWEA members. Since 2005, Ms. Lawver has presented over 25 topics to AWWA, CWEA, and several other professional organizations and brings over 20 years of experience to the attendees.

Description of your presentation/course:

Generating Legally Defensible Data: A Drinking Water Field Sampling and Testing Perspective

In recent EPA and Office of Inspector General publications, there is a growing recognition that there are vulnerabilities in drinking water field sampling and data collection practices which can have a significant effect on data quality. These vulnerabilities can lead to a negative impact to the public's health if sampling and testing

are not performed correctly. Smaller treatment systems need this training to assure high quality water is delivered to customers.

Staff managing field testing and distribution system sampling activities need to be aware of these vulnerabilities and how field sampling/testing records may be challenged in court. Building an effective program is key to avoiding problems should data be scrutinized in court. This presentation will discuss areas for concern when managing sampling, what training is needed to assure records are defensible, and a framework for helping sampling staff “do the right thing” when under the extreme pressure of collecting distribution system and plant samples.

Estimated Program Time: 2.5 hours