All workshops are on Tuesday, April 29th, at the Santa Clara Convention Center

- Check-in will begin at 8:00 AM in the Santa Clara Convention Center Lobby.
- All Pre-Conference Workshops include lunch, which starts promptly at noon.
- There is limited seating. Please register early! See conference registration form on page 33.

Pre-Conference Workshop Chairs

Vickie Caulfield, El Dorado Irrigation District
vcaulfield@eid.org • 530.642.4058

Cassie Prudhel, Cassandra Prudhel Consulting, LLC
cprudhel@gmail.com • 650.867.2716

Workshops At-A-Glance

<table>
<thead>
<tr>
<th>Topic</th>
<th>Workshop Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory</td>
<td>W1. Laboratory 202</td>
</tr>
<tr>
<td>Collection Systems</td>
<td>W2. Collection System Asset Management</td>
</tr>
<tr>
<td>Technical Certification</td>
<td>W3. Training the Trainer</td>
</tr>
<tr>
<td>Collection Systems</td>
<td>W4. Source Control System Toolbox – Educating Collection System Workers</td>
</tr>
<tr>
<td>CWEA Leadership</td>
<td>W5. Leadership Training – Sizzle and Substance: Creating Brain-Friendly Presentations</td>
</tr>
<tr>
<td>Operators, Engineers, &amp; Agency Managers</td>
<td>W6. Using Design Build to Improve and Accelerate the Construction of Water and Wastewater Infrastructure</td>
</tr>
<tr>
<td>Government Affairs</td>
<td>W7. Wastewater Treatment Regulations 101</td>
</tr>
</tbody>
</table>

Workshop W1

Laboratory 202

8:30 AM – 4:30 PM • Tuesday, April 29, 2014
Earn 8.4 contact hours

Small and medium sized laboratories operated by permitted dischargers constitute the majority of publicly-owned laboratories in California and provide a significant fraction of the analytical data submitted to the State and Regional Boards. Although they are staffed by trained individuals, their training focuses on the method procedures that they conduct in their in-house laboratory. Because their focus is on in-house work, additional training to understand and review the results received from contract laboratories is needed. Without additional training for subcontracted testing, quality issues or initiating changes in analytical strategies based on in-house needs may not be recognized.

This one-day course will cover some of the analytical methods, issues raised when these methods are used, LIMS basics, how to seek contract lab services, and how to understand reports issues by contract laboratories. The first half of the session will cover methods for nutrients, cyanide, and isotope-dilution techniques used for congener analyses. The afternoon will cover LIMS, contracting for services, understanding reports, analytical method limit concepts for detection and quantitation, and the ATP process.

The speakers for this training have over 60 years of experience between them ranging from actual bench analyses to auditing and assessing laboratory operations. They have combined in past efforts to explain and demystify quality systems and have provided training in preparation for U.S. Environmental Protection Agency’s proposed 12 essential quality control elements.

Speakers: Diane Lawver, Quality Assurance Solutions; Bill Ray, William Ray Consulting
Workshop W3

Training the Trainer
8:30 AM – 4:30 PM • Tuesday, April 29, 2014
Earn 8.4 contact hours

This Pre-Conference workshop was created to train Technical Certification Preparation Study Session Trainers-Moderators in the subject matter and presentation techniques to best accommodate the different learning styles of adults as they prepare for CWEA Technical Certification Testing. If you hold certification in Grades II, III or IV of your vocation, CWEA needs your help with providing Certification Preparation Study Sessions and now is your chance to learn how to help your fellow wastewater professionals earn their Certification through CWEA’s Technical Certification Program. In addition to understanding adult learning styles, training, and presentation techniques, you will also be provided with access to other valuable tools and study session curriculum materials including vocation specific presentations, sample questions, and test preparation techniques. You will also be introduced to other trainers-moderators who will help you become a trainer capable of effectively assisting others as they strive to obtain CWEA certification in their vocation. The workshop will be taught by experienced study session moderators and trainers and will be followed up with a mentor supervised teaching session at a live CWEA study session. Best of all, you will be able to apply your new trainer skills at work for any training that you might conduct – and you can help others at your agency prepare for their certification exams. In return, we ask that you commit to leading a CWEA study session for CWEA at some point in the near future.

Upon completion of this training you’ll receive contact hours. PLUS, your commitment to become a Trainer will allow you access to standardized training material from the State’s finest Trainers, relevant to your vocation.

Speakers: Joanna De Sa, City of San Jose; Gina Cloutier, Victor Valley Wastewater Reclamation Authority; Marjorie Boone, ehs International, Inc.

Workshop W4

Source Control System Toolbox – Educating Collection System Workers
8:30 AM – 4:30 PM • Tuesday, April 29, 2014
Earn 8.4 contact hours

This workshop has been designed to further educate collection system workers and source control staff on the importance of an effective Fats, Oil, and Grease (FOG) program and clear communication in order to reduce FOG related sanitary sewer overflows (SSOs). Topics will include:
• Establishing/improving your FOG program with shrinking resources

Speakers: Jim Fischer, State Water Resources Control Board; David Melilli, City of Rio Vista; Jon Wells, West Yost Associates; Jeff Kirshberg, Rancho California Water District; Aaron Johnson, Dublin San Ramon Services District; and others.

Session Chair and Moderator: Lani Good, West Yost Associates
Using Design-Build to Improve and Accelerate the Construction of Water and Wastewater Infrastructure
8:30 AM – 4:30 PM • Tuesday, April 29, 2014
Earn 8.4 contact hours

The use of design-build project delivery continues to gain popularity throughout the construction industry as an alternative to the traditional “low-bid” approach that often puts owners, designers, and contractors at odds. However, owners within the public water/wastewater sector have been relatively slow to adopt this innovative and collaborative process. This exciting and informative workshop will provide attendees an overview of the design-build process and an understanding of its benefits. Case studies will be provided to show the benefits of design-build on a wide variety of project types from repair and maintenance to major facility construction, upgrades, or renovation. Attendees will learn about the ways to procure and perform projects utilizing design-build contract delivery method and the additional educational resources available. Presenters will also discuss how they use design-build to facilitate contracting, reduce risk, and increase innovation in their projects. Practitioners from the design and construction fields will present case studies and discuss best practices for design, procurement, and construction.

Speakers: Norbert Shultz, J.R. Filanc Construction Company, Inc.; John Cannon, City of San Jose Public Works; Michael Lindquist, City of Davis Public Works Department; Daniel L. Hutton, CDM Constructors West; Jay Hardison, Colorado Springs Utilities; Tony Heinrichs, City of San Diego; David Kiess, J.R. Filanc Construction Company, Inc.

Moderator: Steve Agor, Skanska
**Workshop W7**

**Wastewater Treatment Regulations 101**

8:30 AM – 3:30 PM • Tuesday, April 29, 2014

Earn 7.2 contact hours

Start with the basics! This full-day introductory seminar will provide an overview of NPDES regulations, technology- and water quality-based effluent limitations, biosolids regulations and compliance, wastewater reuse guidelines, and current and upcoming air regulations. Topics will include:

- Introduction to wastewater treatment regulations
- Water quality-based effluent limitations
- Case studies on modeling of effluent and receiving waters for evaluation of dilution credits
- Biosolids compliance
- Methylmercury TMDL, nutrients, and bacteria limits for San Francisco Bay
- Wastewater reuse guidelines
- Current and upcoming air regulations applicable to publicly owned treatment works

**Speakers:** Greg Arthur, Environmental Engineering & Contracting, Inc.; Kati Bell, CDM Smith; Amy Chastain, AECOM; Rita Cheng, and Randy Schmidt, Central Contra Costa Sanitary District; Betsy Elzufon, Larry Walker Associates; Lauren Fondahl, U.S. Environmental Protection Agency; Dave Wilson, CH2M Hill

**Session Chair and Moderator:** Linda Leong, San Francisco Public Utilities Commission

---

**Workshop W8**

**Professional Savvy for the Developed and Developing Professional: Skills and Tools for Professional Growth and Success**

8:30 AM – 4:30 PM • Tuesday, April 29, 2014

Earn 8.4 contact hours

Possessing years of technical experience and knowledge is important for professional growth; however, complementing technical skills with professional savvy is critical for ultimate professional development. This engaging and highly interactive full-day workshop features highly motivated and successful leaders in the water and wastewater profession. These leaders will guide attendees as they explore several key topics and areas related to professional growth and development, including:

- Building relationships vs. simple networking
- Understanding professional etiquette
- Utilizing social media as a tool for success
- Exercising time management principles
- Realizing the importance of communication
- Overcoming generational differences and adapting to the present (reverse mentoring)
- and more!

The entire workshop will include networking components, breakout sessions, and opportunities to interact with the speakers and other attendees while developing and practicing firsthand the tips and tools provided by our distinguished speakers. Learn to put your best foot forward and provide a great first impression with colleagues and/or clients by exemplifying proper professional etiquette. Realize the importance of building relationships as opposed to simply networking with others at meetings and conferences. Hear about how to maximize your time and social media presence, and find out how you can become a more effective communicator with your peers and colleagues. After a full day of learning, if you still have questions, you will also have the opportunity to ask any and all questions during a comprehensive panel discussion period. Our mentors are here to help you grow and succeed through their lessons learned!

**Speakers:** Varouj Abkian, City of Los Angeles; Nick Arhontes, Orange County Sanitation District; Jim Clark, Black & Veatch; Jim Langley, City of Simi Valley; Denis Pollak, V&A Consulting Engineers; Heidi Oriol, East Bay Municipal Utilities District; Suzanne Gautier, San Francisco Public Utilities Commission; and Megan Yoo Schneider, Tetra Tech.