



DEC
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Collection Systems Fundamentals

EVENT INFO

DATE & TIME

Tuesday, December 10, 2024
8:00 AM - 4:00 PM

REGISTRATION

\$225 Member Price
\$285 Non-member Price

**HILTON GARDEN INN
SAN DIEGO/DEL MAR**
3939 OCEAN BLUFF AVE
SAN DIEGO, CA 92130

REGISTER ONLINE

events.cwea.org

Interested in being a workshop sponsor? Contact Nicole Agnone, CWEA Exhibits and Sponsorship Manager, exhibit@cwea.org for more details.

CWEA presents a comprehensive training program geared toward wastewater operators just entering the industry.

Participants will be equipped with the foundational knowledge required for effective management of wastewater collection systems. This full-day workshop will broadly cover the **definitions, key terms, principles, and best practices** of categories required in the **CWEA Collection System Maintenance Grade 1 Knowledge, Skills, and Abilities (KSA)**.

Earn up to **7.8** towards your Collection System Maintenance Certification.

FEATURED SPEAKER

William Kleinau, Managing Partner with Engineered Utility Solutions and Collection Systems Manager for Irvine Ranch Water District, oversees 15 staff managing sewer infrastructure across six cities. With 14 years in government, including Navy experience in defense systems maintenance, he led water and sewer teams in San Gabriel and Alhambra and volunteers with CWEA and MSA. See full bio on page 3.



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WORKSHOP SCHEDULE

TIME	EVENT
7:15 AM - 8:00 AM	REGISTRATION & CONTINENTAL BREAKFAST
8:00 AM - 8:30 AM	Introduction, Review of Training Objectives, and Digital Handouts
8:30 AM - 9:20 AM	Review of OWP - Operation and Maintenance of Wastewater Collection Systems, Volume 1
9:20 AM - 9:30 AM	BREAK
9:30 AM - 10:20 AM	Review of OWP - Operation and Maintenance of Wastewater Collection Systems, Volume 1 (continued)
10:20 AM - 10:30 AM	BREAK
10:30 AM - 11:20 AM	Review of CWEA CSM Grade 1 KSA Topics: Safety, Customer Service, and Mapping
11:20 AM - 12:00 PM	LUNCH
12:00 PM - 12:50 PM	Review of OWP - Operation and Maintenance of Wastewater Collection Systems, Volume 2
12:50 PM - 1:00 PM	BREAK
1:00 PM - 1:50 PM	Review of OWP - Operation and Maintenance of Wastewater Collection Systems, Volume 2 (continued)
1:50 PM - 2:00 PM	BREAK
2:00 PM - 2:50 PM	Review of CWEA CSM Grade 1 KSA Topics: Vehicles, Construction, and Math
2:50 PM - 3:00 PM	BREAK
3:00 PM - 3:30 PM	Water Board Compliance and Responding to a Spill
3:30 PM - 4:00 PM	Questions & Answers / Review

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SPEAKER BIO

WILLIAM KLEINAU | ENGINEERED UTILITY SOLUTIONS LLC

William Kleinau has over 14 years of government experience, including 4 years of military experience overseeing a defense systems maintenance cycle as well as preventative and corrective maintenance procedures involving water, electrical, radar and chemical systems.

With a decade in water and sewer systems, Kleinau advanced from a maintenance technician in the U.S. Navy to his current position as Collection Systems Manager for Irvine Ranch Water District, where he now oversees 15 FTEs managing 6 cities, 14 lift stations, and 1,500+ miles of sewer mains.

In prior roles in San Gabriel and Alhambra, he led teams, managed contractors, and enhanced program reliability across lift stations, stormwater, hazardous materials, and NPDES programs. Committed to mentoring, William volunteers with the Maintenance Superintendents Association (MSA) and CWEA's Santa Ana River Basin Section.

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REGISTRATION INFORMATION

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REGISTRATION FEES	Standard (Until Nov. 26)	Final (After Nov. 26)
MEMBER RATE	\$225	\$250
NON-MEMBER RATE	\$285	\$310

SPECIAL SERVICES: If you need special services or have dietary restrictions please indicate those within the CWEA registration system.

GROUP REGISTRATIONS: We're here for you to make this easy! Contact Member Services at memberservices@cwea.org for group registration assistance.

REFUND POLICY: Full payment or purchase order is required to process registrations. If you have to cancel, written cancellation notice is required and must be received at least 15 days prior to the workshop 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 the event. A written special service request is required 30 days in advance.

DISCLAIMER: CWEA and our Board members and volunteers are not responsible for the actions of speakers or the content of their sessions. No endorsement is implied or given of any persons or their philosophies, ideas, statements; nor of any products or processes; nor of any organizations or companies who volunteer to serve as speakers at the workshop or exhibitors who purchase an exhibit booth.

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