

PHOTO BY DUSTIN VALIQUETTE - CITY OF MANTECA

JUNE
15

Collection Systems Fundamentals

EVENT INFO

DATE & TIME

Tuesday, June 15, 2027
8:00 AM - 4:00 PM

EARLY BIRD REGISTRATION ENDS MAY 4

$210 Member Price
$240 Non-member Price

ORANGE COUNTY SANITATION DISTRICT

18480 Bandilier Cir
Fountain Valley, CA 92708

events.cwea.org

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Photos by CWEA and DUSTIN VALIQUETTE - CITY OF MANTECA

CWEA's Collection Systems Fundamentals Workshops are designed to support your agency, building essential knowledge and confidence from day one.

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 Grades 1-3 Knowledge, Skills, and Abilities** (KSA) domains.

Earn up to **7.8** contact hours 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	Maintenance of Wastewater Collection Systems
9:20 AM - 9:30 AM	**BREAK**
9:30 AM - 10:20 AM	Dig Alert, Trenching and Shoring, Repair of Gravity Sewer Systems
10:20 AM - 10:30 AM	**BREAK**
10:30 AM - 11:20 AM	Operation, Maintenance and Repair of Pumps and Force Mains
11:20 AM - 12:00 PM	**LUNCH**
12:00 PM - 12:50 PM	Safety Policies and Procedures, Customer Service, Records and Mapping
12:50 PM - 1:00 PM	**BREAK**
1:00 PM - 1:50 PM	Tools and Equipment for Maintenance Repair
1:50 PM - 2:00 PM	**BREAK**
2:00 PM - 2:50 PM	Vehicle and Equipment Inspection, Construction, Wastewater Math
2:50 PM - 3:00 PM	**BREAK**
3:00 PM - 3:30 PM	Water Board Compliance for Sewer Spills
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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"Whether you've just started or been here for 15-20 years, **reinforcing the fundamentals is what it comes down to.** Even if you think you know everything, you don't, and this just helps bring everything to light and helps you ask questions when you don't really have a source to ask."

Nicholas Rubio
Crew Lead,
City of Lemon Grove

Register Online: **events.cwea.org**

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REGISTRATION INFORMATION

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REGISTRATION FEES	Early (Until May 4)	Regular (After May 4)	Final (After June 7)
MEMBER RATE	**$210**	**$220**	**$275**
NON-MEMBER RATE	**$240**	**$265**	**$330**

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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