



NOV
18

Collection Systems Fundamentals

EVENT INFO

DATE & TIME

Tuesday, November 18, 2025
8:00 AM - 4:00 PM

REGISTRATION

\$220 Member Price
\$265 Non-member Price

**SAN LUIS REY WATER
RECLAMATION FACILITY**
3950 NORTH RIVER ROAD
OCEANSIDE, CA 92058



SCAN QR CODE TO REGISTER OR VISIT
events.cwea.org

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.





Collection Systems Fundamentals

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

REGISTER ONLINE >

NOV
18

Collection Systems Fundamentals

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.



[REGISTER ONLINE >](#)



"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

NOV
18

Collection Systems Fundamentals

REGISTRATION INFORMATION

[REGISTER ONLINE >](#)

REGISTRATION FEES	Early (Until Oct. 7)	Standard (After Oct. 7)	Final (After Nov. 11)
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.

© **2025 CWEA.** Images used with permission and protected by the photographer's copyright. Attendees give permission for their image to be captured via photography and videography, to be used for the purposes of CWEA publications, promotional materials, training, or otherwise at CWEA's discretion, and waive any rights of compensation or ownership thereto. For any CWEA photo posted that features you, you can request CWEA take it down by emailing us at ebulletin@cwea.org.