

CWEA

2023

NORTHERN SAFETY DAY



8
NOV

NORTHERN SAFETY DAY

EVENT INFO

DATE

WEDNESDAY, NOV. 8, 2023

TIME

8:00 a.m. to 3:45 p.m.

REGISTER BY OCT. 20TH TO
SAVE \$15

YOLO COUNTY FAIRGROUNDS
1250 E Gum Avenue
Woodland, CA 95776

Weather in Woodland can be unpredictable. Please dress in layers in case of warm, cold or inclement weather. Lunch will be served outside.

REGISTER ONLINE

events.cwea.org

Photos by Audrey McCann

Join us for the highly anticipated **Northern Safety Day**.

The event is back at the **Yolo County Fairgrounds** and is brought to you by the CWEA Safety Committee, chaired by Andrew Corral from the Association of California Water Agencies Joint Powers Insurance Authority (ACWA JPIA).

This annual safety training day brings together a diverse community of wastewater professionals, all dedicated to **making safety the highest priority**. Northern Safety Day offers a unique opportunity to not only **enhance your professional knowledge** around safety but also to **engage in hands-on equipment demonstrations** and **connect with fellow attendees and exhibitors** from the industry.

WHO SHOULD ATTEND

- O&M Leaders
- Mechanics
- Electricians
- Instrumentation Technicians
- Inventory Managers
- Maintenance Schedulers
- Wastewater Operators
- Collection Systems Crews



NORTHERN SAFETY DAY

SCHEDULE AT-A-GLANCE

(subject to change)

EARN
UP TO 6
CONTACT
HOURS

TIME	EVENT	
7:00 - 8:00	REGISTRATION, COFFEE & INTRODUCTIONS	
8:00 - 8:50	OPENING GENERAL SESSION The Safe Operator Escape Room Joseph Blackman, Vitendo Training Solutions	
BREAKOUT SESSIONS I		
8:55 - 9:45	Real-Time Protection for Your Collection - How Inland Empire Utilities Agency Turbocharged Their Collection System Lucia Diaz, Inland Empire Utilities Agency Brogan Quist, SmartCover	Maintaining a Resilient Safety Program Robin Flint Association of California Water Agencies Joint Powers Insurance Authority
9:45 - 10:25	EXPO & NETWORKING	
BREAKOUT SESSIONS II		
10:30 - 11:20	Inland Empire Utilities Agency's Mutual Aid Program Efforts for Regional Sanitary Sewer Spill Simulations Lucia Diaz and Edward Makowski Inland Empire Utilities Agency	Safety Culture Improvement ("Safety vs. Compliance and the Importance of Both!") Paul Andersen OSHA Compliance Services
11:25 - 12:15	GENERAL SESSION PRESENTATION Protection from Wildfire Smoke - Adapting to Smoky Circumstances Colton Rogers, Contra Costa Water District	
12:15 - 1:55	LUNCH WITH EXHIBITORS	
BREAKOUT SESSIONS III		
2:00 - 2:50	Safety by Design in Pump Stations and Plant Facilities Jerry Ledbetter Central Contra Costa Sanitary District	Safety Incident Reporting - A Simple, Streamlined Program Sarah Bogner Contra Costa Water District
2:55 - 3:45	CLOSING GENERAL SESSION Understanding the 811 Dig Alert / USA North System Chris Kimma & Antonio Fregosa, PG&E Damage Prevention Team	

THANK YOU SPONORS

BREAK SPONSOR

DOOR PRIZE SPONSOR



REGISTRATION FORM

NORTHERN SAFETY DAY

Register online: events.cwea.org

Early bird deadline ends Oct. 20th

(PLEASE PRINT OR TYPE)

First Name: _____ Last Name: _____

Agency/Company: _____ Title: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone Number: _____ E-Mail: _____

Emergency Contact: _____ Emergency Phone: _____

CWEA MEMBER WEF MEMBER CA-NV AWWA MEMBER # _____

(Must have current membership for member rates.)

Special Accommodations to Participate: _____

Dietary Restrictions: _____

Tell us a bit about you. Please select one response for each question.

1. WHAT IS YOUR CAREER STAGE?		2. WHAT IS YOUR PRIMARY PRACTICE AREA?			
<input type="checkbox"/> Student	<input type="checkbox"/> Job Seeker	<input type="checkbox"/> Collection Systems	<input type="checkbox"/> Electrical/Instrumentation		
<input type="checkbox"/> Entry-level	<input type="checkbox"/> Journey-level	<input type="checkbox"/> Engineering	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Plant Maintenance	
<input type="checkbox"/> Supervisor	<input type="checkbox"/> Management	<input type="checkbox"/> Plant Operations	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> Public Outreach	
<input type="checkbox"/> Executive	<input type="checkbox"/> Retiree	<input type="checkbox"/> Other	<input type="checkbox"/> Safety	<input type="checkbox"/> Stormwater	<input type="checkbox"/> Utility Executive <input type="checkbox"/> Other

3. WHAT TYPE OF ORGANIZATION DO YOU WORK FOR?

<input type="checkbox"/> Municipal – Large (400K+ customers)	<input type="checkbox"/> Municipal – Medium (50K-400K customers)
<input type="checkbox"/> Municipal – Small (< 50K customers)	<input type="checkbox"/> Non-municipal – Consulting Firm
<input type="checkbox"/> Non-municipal – Manufacturer or sales representative	<input type="checkbox"/> Non-municipal – Regulator, State or Federal <input type="checkbox"/> Other

REGISTRATION

For assistance contact: **MEMBER SERVICES**

510.382.7800 option 4 or

memberservices@cwea.org

	Member	Non-Member
<input type="checkbox"/> EARLY BIRD RATE (By Oct. 20)	\$195	\$245
<input type="checkbox"/> REGULAR RATE	\$210	\$260
<input type="checkbox"/> STUDENT Provide proof of college attendance w/minimum of 9 units.	\$0	\$0
Fee Total \$		

PAYMENT INFORMATION

For payments by check or money order, make payable to: **CWEA NSD23**

For payments by credit card, please print clearly.

Credit card: VISA MASTERCARD DISCOVER AMEX Signature: _____

Credit card number: _____ Expiration date: _____

Name of account holder: _____ Billing zip code: _____

REGISTRATION OPTIONS:

1. Register online at events.cwea.org

2. Send registration form and payments to:

CWEA Workshops

7677 Oakport Street, Suite 1030

Oakland, CA 94621-1935

GROUP REGISTRATIONS: we're here for you to make this easy!

Contact Member Services at memberservices@cwea.org for group registration assistance.

All cancellation requests must be submitted in writing or via email. **Cancellation or Substitute Deadline:** Cancellations and Substitutes must be received at least 3 business days prior to the date of the workshop. **Credit Eligibility:** To be eligible for credit, a written notice must be received one week prior to the program date. **Cancellation Fee:** A 25% cancellation fee will be deducted from the refunded amount. **Day of Program Cancellation/No-Show:** Cancellations or no-shows on the day of the program will not receive a refund or credit. **Refund Process:** Refunds, minus the applicable cancellation fee, will be processed within 3 days after receiving the cancellation request once approved.

SESSION DESCRIPTIONS

OPENING GENERAL SESSION 8:00 – 8:50 a.m.

The Safe Operator Escape Room

Have you ever asked yourself these questions:

- I thought we trained them on this?
- What am I going to do when they retire and take all that safety knowledge with them?
- Why is it so hard to find new talent that knows what my 25-year operator knows?

This will be a fully interactive experience to start the day. Imagine an Escape Room but with safety in mind. There will be clues around the room hidden for attendees to use to escape from the room in a limited time. We will all learn the importance and utility of “Just-In-Time-Knowledge.” This presentation will help you not take for granted the institutionalized knowledge and nuance that each seasoned technician has. Join us in this adventure to make your department/company a place where not one person dominates all safety wisdom.

PRESENTER: Joseph Blackman, Vitendo Training Solutions

BREAKOUT SESSIONS I 8:55 – 9:45 a.m.

Real-Time Protection for Your Collection – How Inland Empire Utilities Agency Turbocharged Their Collection System

The Inland Empire Utilities Agency (IEUA), a regional wastewater treatment and water agency encompassing 242 square miles in western San Bernardino County and servicing approximately 935,000 people, provides sewage utility services to seven sewer collection agencies and wholesale imported water from the Metropolitan Water District of Southern California to regional retail agencies.

In 2019, IEUA first deployed two satellite sewer monitoring units to provide real-time, low-cost monitoring at sites that historically had encountered blockage issues across the collection system. The data collected allowed IEUA to identify potential blockages before an overflow occurred. IEUA has since expanded their satellite sewer monitoring program to 25 units which have saved at least four spills; thereby protecting public health and the environment, preserving overall authority resources, and preventing asset degradation.

Due to current conservation measures in southern California and the recent change in water usage put into effect from Senate Bill 1157 (2022), GPCD (gallons per capita per day) is being reduced from 55 to 42 by 2030. With the reduction of flow and ongoing population growth, there has been an increase in solids in the system and unpleasant odors from increased hydrogen sulfide (H₂S). IEUA will be deploying two more units which will provide real-time, low-cost H₂S monitoring at sites experiencing issues across the collection system.

PRESENTERS: Lucia Diaz, Inland Empire Utilities Agency and **Brogan Quist**, SmartCover

Maintaining a Resilient Safety Program

A safe and healthy work environment is one of many essential steps in every water operation. In this session participants will learn how to apply leading indicators of safety to evaluate, maintain and improve a water operations safety and health program.

PRESENTER: Robin Flint, Association of California Water Agencies Joint Powers Insurance Authority

BREAKOUT SESSIONS II 10:30 – 11:20 a.m.

Inland Empire Utilities Agency’s Mutual Aid Program Efforts for Regional Sanitary Sewer Spill Simulations

The Inland Empire Utilities Agency (IEUA), a regional wastewater treatment and water agency encompassing 242 square miles in western San Bernadino County and servicing approximately 935,000 people, provides sewage utility services to seven sewer collection agencies and wholesale

SESSION DESCRIPTIONS (continued)

imported water from the Metropolitan Water District of Southern California to regional retail agencies.

In 2004, IEUA entered into a Mutual Aid Agreement with their Regional Contracting Agencies and other partners to provide emergency response in the event of a disruption which would affect the water service, sewer service or sewage treatment services provided by each agency. Over the years, IEUA has taken the lead in organizing quarterly meetings between the Mutual Aid partners for sewer collection training, discussions on regional system issues, and regulatory updates.

Due to the current increase in retirements and the need for hands on training for line staff, IEUA took the lead to develop a regional approach for multi-agency sanitary sewer spill simulation training. This provides the region with first-time responders the hands-on experience necessary to handle any event.

PRESENTERS: Lucia Diaz and Edward Makowski, Inland Empire Utilities Agency

Safety Culture Improvement (“Safety vs. Compliance and the Importance of Both!”)

This presentation offers cause to “think” about safety and compliance as an “added value” to the workplace and the worker. I’ll share experiences as a Cal/OSHA Enforcement Safety Engineer and Safety Consultant along with real-world photos of inspection findings.

PRESENTER: Paul Andersen, OSHA Compliance Services

GENERAL SESSION PRESENTATION 11:25 a.m. – 12:15 p.m.

Protection from Wildfire Smoke – Adapting to Smoky Circumstances

In recent years wildfires in California have become larger and occur more often, causing extreme local and moderate regional impacts. This has led to a significant increase in the exposure we have to wildfire smoke, an exposure which has been shown to be hazardous to our health. Cal/OSHA’s new regulation, Section 5141.1 Protection from Wildfire Smoke, requires employers control this hazardous exposure in the workplace, especially for outdoor workers who tend to have the highest levels of exposure. This presentation will provide the resources you need for the current problem we are all facing in California; how to adapt to the increase in frequency and severity of wildfire smoke exposure in the workplace and the regulatory requirements associated with it. Recognizing, evaluating and controlling worker exposure to wildfire smoke will also be used to discuss how we can respond to other environmental hazards which can also have negative health and safety impacts.

PRESENTER: Colton Rogers, Contra Costa Water District

BREAKOUT SESSIONS III 2:00 – 2:50 p.m.

Safety by Design in Pump Stations and Plant Facilities

Mr. Ledbetter will be presenting on “Safety by Design” which is the concept and movement to address occupational safety and health hazards in the design process to prevent or minimize work-related injuries and risks associated with the construction, operation, and maintenance of facilities and equipment. This approach also reduces the reliance on personal protective equipment or administrative procedures by engineering out the hazards before the facility or process is built.

PRESENTER: Jerry M. Ledbetter, Central Contra Costa Sanitary District

Safety Incident Reporting – A Simple, Streamlined Program

One key to an effective safety program is incident and near miss reporting. But what exactly is a near miss? And how can we explain the importance of reporting small incidents to employees? Overcoming barriers to reporting, making the reporting process work for employees, and creating a system to act on and report out on action items are three keys to making a reporting program effective. Come hear a case study from Contra Costa Water District, and their recent implementation of a comprehensive safety event reporting system which has increased the

SESSION DESCRIPTIONS (continued)

number of events reported, reduced the time to correct incidents, and increased communication across their workforce.

PRESENTER: Sarah Bogner, Contra Costa Water District

CLOSING GENERAL SESSION 2:55 – 3:45 p.m.

Understanding the 811 Dig Alert / USA North System

“Call 811 B4 You Dig!” Most construction personnel understand it is critical to call 811 before you conduct any type of excavation activities. In this presentation, we will recap the basic rules of the notification process and several key actions and requirements to help ensure worker safety, the safety of the community, and the integrity of the underground utility.

PRESENTER: Chris Kimma & Antonio Fregosa, PG&E Damage Prevention Team