



JUNE  
13

# Asset Management for Wastewater Utilities

## EVENT INFO

TUESDAY, June 13, 2023  
7:30 a.m. to 4:00 p.m.

Continental breakfast & lunch included. Bring your own reusable water bottle, if desired.

### REGISTRATION

**\$185 Member**

**\$235 Non-Member**

### LOCATION

San Luis Rey Wastewater Treatment Plant | Auditorium  
3950 N. River Road  
Oceanside, CA 92058

### REGISTER ONLINE

**[events.cwea.org](https://events.cwea.org)**

### QUESTIONS?

Email Ian Watson at  
[iwatson@uspstechnologies.com](mailto:iwatson@uspstechnologies.com)

**Interested in being a workshop sponsor?** Please contact Amy Lai at 510.382.7800 ext. 103 or [alai@cwea.org](mailto:alai@cwea.org) for more details

California's aging facilities are deteriorating, but what tools are available and how do we apply them to help address our facilities' near-term and long-term needs? CWEA's Engineering and Research Committee is proud to present this full-day workshop on the fundamentals and applications of asset assessment and management for wastewater utilities.

Engineers, operators, mechanics, construction managers, and electrical and I&C technicians are all welcome to join. **Earn up to 7.5 Contact Hours.**

### What you'll gain from the workshop:

- A comprehensive understanding of basic asset management concepts
- Insights on choosing the right computerized maintenance management system (CMMS) software, as well as common pitfalls to avoid
- Best practices and lessons learned from application of asset management at wastewater utilities in Southern California
- Demonstration of innovative technology applications for effective asset management



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TIME	EVENT
7:30 - 8:00 a.m.	REGISTRATION
8:00 - 8:10 a.m.	Introduction
8:10 - 8:35 a.m.	<b>The Importance of Asset Management</b> Inken Mello, Woodard & Curran
8:35 - 9:25 a.m.	<b>Setting Up Facility Assessment Data Collection to Meet Your Investment Planning Needs</b> Michael Flores & Tom McCormack, HDR
9:25 - 10:15 a.m.	<b>Case Studies: San Jose - Santa Clara and San Diego County</b> Clinton McAdams, Black & Veatch
10:15 - 10:30 a.m.	BREAK
10:30 - 11:20 a.m.	<b>The Goldilocks Question: Finding the Right Asset Management Software</b> David Moering, Woodard & Curran
11:20 - 11:45 a.m.	<b>Technology Applications Using HoloBuilder and other Digital Solutions</b> Soroush Zamanian PhD & Jared Eichmiller, Hazen and Sawyer
11:45 - 12:45 p.m.	LUNCH
12:45 - 1:35 p.m.	<b>Case Studies: Moulton Niguel Water District and EMWD</b> Hansa Keswani & Sean Pour, Hazen and Sawyer Todd Dmytryshyn, PE, Moulton Niguel Water District
1:35 - 2:25 p.m.	<b>Asset Management: True Cost</b> Ed Van Ness, City of Oceanside
2:25 - 2:35 p.m.	BREAK
2:35 - 3:00 p.m.	<b>Keeping the Juices Flowing: Maintenance and Management of Chemical Storage and Feed Equipment</b> Greg Kubic, USP Technologies
3:00 - 3:50 p.m.	<b>Developing a Tactical and Practical Asset Management Program</b> Brian Waite, Orange County Sanitation District
3:50 - 4:00 p.m.	CLOSING

## COVID PROTOCOLS

- If you're not feeling well, please stay home
- We're actively monitoring local and state health advisories, stay tuned for updates

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## SPEAKER BIOS

### **TODD DMYTRYSHYN, MOULTON NIGUEL WATER DISTRICT**

As Assistant Director of Engineering at Moulton Niguel Water District, Todd Dmytryshyn oversees the capital engineering, asset management, development services, contracts, and records/mapping functions of the district. As part of asset management and capital engineering, he facilitates the prioritization of assets for assessment and rehabilitation/replacement along with implementation of the same. Moulton Niguel Water District delivers drinking water, recycled water, and wastewater services to more than 170,000 customers across six cities in South Orange County, California. Todd is also on the Board of Directors of the Orange County Water Association, a group whose mission is to foster advancement in the Water Works Industry through the exchange of information and ideas.

### **JARED EICHMILLER, GIS ANALYST, HAZEN AND SAWYER**

Jared has experience in helping local governments and organizations achieve their infrastructure and assessment goals through using GIS tools. He also has experience in creating digital solutions to streamline asset management processes to support decision making.

### **MICHAEL FLORES, ASSET MANAGEMENT PRACTICE LEADER, HDR**

Michael is HDR's Asset Management Practice Leader and has 29 years of experience in the water and wastewater field supporting utilities with solving operations, maintenance, and infrastructure management challenges.

### **HANSA KESWANI, ASSET MANAGEMENT SPECIALIST, HAZEN AND SAWYER**

Hansa has over 10 years of experience in asset management, condition assessment, data analytics and database development in water, wastewater and stormwater projects. Hansa has expertise in proposal development, capital prioritization planning, risk assessment studies of various engineering and construction projects and digital solutions support. With a wide range of experience within the water industry, Hansa is a well-rounded consultant and is constantly implementing innovative tools and technologies to support her work.

### **GREGORY (GREG) KUBIK, EHS LEADER, USP TECHNOLOGIES**

Kubik is the EHS Leader at USP Technologies and has over 15 years in the Chemical Industry. His current role is leader of EHS, with years of experience in global chemical project management, also experienced in field service and chemical handling system design and manufacturing.

### **CLINTON MCADAMS, REGIONAL CONDITION ASSESSMENT LEAD, BLACK & VEATCH**

Clinton helps utilities navigate the dilemma of infrastructure degradation by implementing asset management strategies. Emphasizing the importance of resolution and coverage during data collection has enabled him to provide successful programmatic solutions for managing asset lifecycles. He leverages experience from the water, transportation, and power industries that included past projects such as traditional engineering design services, condition assessments, risk-based capital improvement planning, asset management program development, and contract administration.

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## SPEAKER BIOS

### **TOM MCCORMACK, UTILITY MANAGEMENT CONSULTANT, HDR**

Tom is a utility performance and information technology consultant with more than 10 years of experience. His background includes work in Asset Management/CMMS development and updates to new systems as well as design, development, and database implementation.

### **INKEN MELLO, SR. CLIENT MANAGER, WOODARD & CURRAN**

Inken has over 20 years of experience in the water & wastewater industry, managing projects, operating budgets, and cross-functional teams of engineers, contractors, operators and suppliers on multiple capital projects, pilot studies and O&M service programs.

### **DAVID MOERING, PROJECT MANAGER, WOODARD & CURRAN**

David is a Project Engineer with eight years of professional experience working on a wide range of wastewater, water, and water resource projects for municipalities and private sector clients. David's experience includes planning, permitting, modeling, detailed design and public outreach and education. He is responsible for project coordination and design, and provides technical oversight for engineering staff, subcontractors, and vendors.

### **DR. SEAN POUR, WEST ASSET MANAGEMENT PRACTICE LEAD, HAZEN AND SAWYER**

Sean is the asset management practice lead for Hazen's West Region with a wide range of experience helping more than 40 utilities to be more proactive in planning maintenance, rehabilitation, and replacement activities. He has made significant advancements in developing and implementing asset management plans and asset management methodologies in his 15

years of asset management experience. His work in developing the internal capacity of utilities includes assisting clients in performing remaining asset life calculation, risk assessment, life cycle cost projection, and project validation and prioritization. In the practical application of tools, he leads teams specialized in analyzing condition data to improve the accuracy of estimating remaining effective life and risk.

### **EDWARD VAN NESS, FACILITIES MAINTENANCE SCHEDULER.**

Born here in Oceanside and enlisted in the Marine Corps from here. After the Marines worked in Miami at Turkey Point Nuclear Power plant. Moved back to Oceanside in 2017 and began working with the city of Oceanside water Utilities for the last 5 years, have been involved in all levels of maintenance.

### **SOROUSH ZAMANIAN, ASSET MANAGEMENT SCIENTIST, HAZEN AND SAWYER**

Dr. Zamanian serves as Asset Management Scientist in Hazen's Irvine Office. He has performed risk and reliability analysis of wastewater collection systems and leveraged different machine learning techniques to develop fragility models for wastewater collections systems, power plants, and levees. In his research, he has developed a new framework for identifying significant factors affecting the performance of wastewater collection systems, utility poles, and power plants subjected to different types of hazards. He has experience in performing condition assessment, risk analysis and resilience assessment and development of decision support tools using PowerBI Dashboards.

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