

WEAU 2023 ANNUAL CONFERENCE SCHEDULE					
4/26/2023	WEDNESDAY				
TIME	ENTRADA A	ENTRADA B & C	SUNBROOK A	SUNBROOK B	SUNBROOK C
8:00 - 9:00	REGISTRATION OPENING RAFFLE TICKETS				
8:30 - 12:00	OPERATOR CHALLENGE EXHIBITS OPEN				
12:00-1:30	LUNCH OPENING RAFFLE				
Topic	PROJECT DELIVERY	OPERATIONS	RESIDUALS AND BIOSOLIDS	SAFETY AND SECURITY	WASTEWATER FACILITIES
1:30 - 2:05	Construction Management Strategies: Inspection 101 & Digital Tools	Combination Sewer Truck Maintenance	Regional and Centralized Biosolids Management Make Cents	A Deep Dive into Cyber Liability and Pollution Liability Insurance for Water Environment Organizations	Wastewater Screening Solutions for Smaller Installations
	Ryan Overman and Timothy Yatsco-Brown and Caldwell	Evan Housley - Olympus Equipment	Mohammad Abu-Orf-Hazen and Sawyer	Brian Child-Olympus Insurance	Dave Barkey-JWC Environmental
Topic	WATER QUALITY	OPERATIONS	RESIDUALS AND BIOSOLIDS	SAFETY AND SECURITY	WASTEWATER FACILITIES
2:10 - 2:45	Distribution System Water Quality Improvements with Implementation of Active Tank Mixing	Do I Need Grit Removal?	Biosolids- Making a Solid Plan in Uncertain Times	What You Don't Know About Blue Stakes But Should	Densified Activated Sludge with and without Physical Selection
	Jeff Rhodes-UGSI Solutions	Eric Tobin - Hydro International	Susan Spore-Brown and Caldwell	Spence Felsted-Blue Stakes of Utah 811	Bryan Atieh-Hazen and Sawyer
2:45 - 3:30	BREAK				
Topic	WATER RECLAMATION AND REUSE	OPERATIONS	RESIDUALS AND BIOSOLIDS	FINANCIAL MANAGEMENT	WASTEWATER FACILITIES
3:30 - 4:05	Role of Water Reclamation Facilities in Managing PFAS Circulation through the Water Cycle	Real World Considerations for pump design, operation and troubleshooting	Enhancing Anaerobic Digestion Performance with the Microbial Hydrolysis Process	Financial Planning Made Easy	Sustainable Effluent Energy Recovery at SLC WRF
	Vijay Sundaram-AECOM	Steve Truitt-Penn Valley Pump Co	Dave Parry-Jacobs Engineering	Benjamin Stewart-Stantec	Grant Davies-AECOM
Topic	WATER RECLAMATION AND REUSE	OPERATIONS	RESIDUALS AND BIOSOLIDS	COLLECTION SYSTEMS	WASTEWATER FACILITIES
4:10 - 4:45	Wastewater Aeration and Blower Technologies	Pump Curves Made Simple (No, Seriously)	PFAS separation and destruction from municipal wastewater biosolids: alternatives evaluation, and cost estimates	SulFeLox: Low Hazard Sulfide Control	Opportunities to install Advanced Grit Removal Technology In Existing Grit Basins and Innovation in Primary Filtration offering effective
	Rick Barile-Sulzer Pump Solutions Inc.	Matt Jensen-Cascade Energy	Derya Dursun-Hazen and Sawyer	Ian Watson-USP Technologies	Simon Randle-HUBER

4/27/2023	THURSDAY				
TIME	ENTRADA A	ENTRADA B & C	SUNBROOK A	SUNBROOK B	SUNBROOK C
8:00-8:30	REGISTRATION				
Topic		OPERATIONS EXAM PREPARATION	NUTRIENT REMOVAL	COLLECTION SYSTEMS	DIGITAL WATER
8:30-9:05	Water Reuse Alternatives in Arid West- ern US	Operator Math	IS nitrogen management really a chal- lenge in POTWs: Innovations and exam- ples from local WWTPs.	Master Planning for Sewer Collection Systems with an Emphasis on Redevelopment, Hydraulic Modeling, Asset Management, Impact Fees, and Rates	Modernizing Operations Management Using Digital Tools
	John Richardson and Kelsey Wagner- Advanced Engineering and Environmen- tal Services, LLC		Dr. Ramesh K Goel-University of Utah	Wyatt Andersen-Bowen Collins & Associ- ates	Eric Smith-APCO Inc.
Topic	WATER RECLAMATION AND REUSE		NUTRIENT REMOVAL	COLLECTION SYSTEMS	DIGITAL WATER
9:10 - 9:45	4 Years & 4 Offices: Reflecting on De- signing a new 48MGD Water Reclama- tion Facility	Chad Burrell– Snyderville Basin Water Rec- lamation District	Biological Phosphorus Removal Intensi- fication and Optimization	Quality Assurance for CIPP Liners - A Team Effort	Realizing Plant Upgrade Savings Through Instrumentation Innovation. Case Study on New Magnetic Flowmeter Technolo- gy.
	Will Peterson-AECOM	Brian Lamar-North Davis Sewer District	Joseph Rohrbacher-Hazen	Cedar Daniels-Bowen Collins & Associates	Nick Hanson-Endress+Hauser
9:45 - 10:30	BREAK				
Topic	WATER RECLAMATION AND REUSE	OPERATIONS EXAM PREPARATION	NUTRIENT REMOVAL	COLLECTION SYSTEMS	DIGITAL WATER
10:30 - 11:05	Pure SOJO Direct Potable Reuse (DPR) Project Update	Plant and Lagoon Operations	Enhanced Biological Nutrient Removal with Minimal Recycles in a Phased Acti- vated Sludge System	Design Considerations Associated with the HDPE Piping that Connects the Cen- tral Valley BNR Project	Cybersecurity for IT and OT networks - a primer
	Randy Zollinger-Carollo Engineers		Thea Davis-Aqua-Aerobic Systems, Inc.	Michael Kobe-Brown and Caldwell	Jason Stansfield-North Davis Sewer District
Topic	WATER RECLAMATION AND REUSE		NUTRIENT REMOVAL	COLLECTION SYSTEMS	DIGITAL WATER
11:10 - 11:45	Carbon - the Currency of a Modern Wa- ter Reclamation Facility	Clint Rogers– Stantec	No Regrets with Sidestream Phosphorus	Preventing Flushable Wipes Clogs in Smaller Collection Systems Case Studies	Making Digital Transformation Afforda- ble
	Rick Kelly-Brown and Caldwell	Madeline Tennant– City of Logan, Utah	Aaron Britton-Central Valley Water Rec- lamation Facility	Charles Wilson-Duperon Corporation	Gage Downing-Stantec
12:00-1:30	LUNCH BREAK				
Topic	WATER RECLAMATION AND REUSE	OPERATIONS EXAM PREPARATION	NUTRIENT REMOVAL	COLLECTION SYSTEMS	DIGITAL WATER
1:30– 2:05	Three Birds with one Stone: Magna Water District to Achieve Multiple Bene- fits with New Secondary Reuse System	Troubleshooting and Monitoring Plant Operations	Smarter Treatment Mixing Technology and Process Optimization	Utah's foothills city installs first Direct In -Line Pumping Technology	Importance of Electrical Systems Testing and Commissioning: A Case study on a CVWRF project
	Nate Rogers-Bowen Collins & Associates		Aaron Terry-Xylem Inc.	James Huck-Industrial Flow Solutions	Navneet Prasad-CVWRF
Topic	WATER RECLAMATION AND REUSE		NUTRIENT REMOVAL	COLLECTION SYSTEMS	DIGITAL WATER
2:10 - 2:45	Orem Water Reclamation Facility (OWRF) Reuse Project	Myron Bachman and Tyler Barfuss- North Davis Sewer District	The Balancing Act of Biological Nutrient Removal and Chemical Use with Mem- brane Bioreactors	Cured-In-Place Pipe: A Primer for Design, Installation and Acceptance	Empowering a Connected, Engaged Workforce through Digital Transfor- mation
	Jenny Calderon-Water Works Engineers		Kelsey Wagner and Jessica Cooper-AE2S	Brad Conder-Lithos Engineering	Dr. Billy Raseman-Hazen and Sawyer
2:45 - 3:30	BREAK				
Topic	WATER RECLAMATION AND REUSE	OPERATIONS EXAM PREPARATION	NUTRIENT REMOVAL	COLLECTION SYSTEMS	DIGITAL WATER
3:30 - 4:05	Water Reuse in Utah	Equipment Maintenance	Upgrading Lagoon Based Treatment Systems to Meet More Stringent Limits for BOD, TSS, and Nutrient Removal	Inverted Sewer Siphon - A Solution to a Screwly Lift Station	Applications for Smart Sensors in Water and Wastewater
	Andrew Pompeo-Utah DWQ		Tom Birkeland-Lemna Environmental Technologies	Andee Guy Harris– Bowen and Collins	Rob Bebout-Stantec
Topic	WATER QUALITY		NUTRIENT REMOVAL	LEADERSHIP	ASSET MANAGEMENT
4:10 - 4:45	Keeping pace with current dynamic state of UV disinfection	Chris Reilley-Central Valley Water Reclama- tion Facility	Biohacking BNR: Getting the Most Out (Literally) of Your Wastewater	Timeless Leadership Principles That Move The Needle	New Technologies Enabling Condition- Based Maintenance for Collection Sys- tems
	Romeo Vela- Glasco UV LLC		Bethany Burton-WesTech Engineering	Rhett Butler-Skyline Electric Company	Eric Petersen-RH Borden

4/28/2023	FRIDAY				
TIME	ENTRADA A	ENTRADA B & C	SUNBROOK A	SUNBROOK B	SUNBROOK C
8:00-8:30	REGISTRATION				
Topic	ASSET MANAGEMENT	OPERATIONS EXAM PREPARATION	PROJECT DELIVERY	PROCESS CONTROL	WASTEWATER FACILITIES
8:30-9:05	Risk Management in Water and Wastewater (Novice)	Practice Test	Advantages of Preconstruction Services for Capital Projects: An Electrical Approach	Teaching an Old Dog New Tricks - Troubleshooting & Optimizing Chlorine Disinfection Systems	Enhanced Domestic Primary Wastewater Treatment Utilizing Pile Cloth Media Filtration for Operational Savings and Sustainability
	Skyler Rember-Cedar City Corp.		Michael Hamilton-Skyline Electric Company	Brian Hilts-CDM Smith	John Dyson-Aqua-Aerobic Systems, Inc.
Topic	ASSET MANAGEMENT		PROJECT DELIVERY	COLLECTION SYSTEMS	WASTEWATER FACILITIES
9:10 - 9:45	Risk Management in Water and Wastewater (Advanced)	Dustin Lewis— Snyderville Basin Water Reclamation District	Executing Projects During Unsettled Times: Thinking Outside the Box	Interactive Collections System Kahoot!	Wear Determination in Multi-Disc Screw Press
	Skyler Rember-Cedar City Corp.	Nate Cloward— Central Davis Sewer District	Justin Thorne-Archer Western Construction		Sergiy Pesin-Esmil
9:45 - 10:30	BREAK				
Topic	ASSET MANAGEMENT	OPERATIONS EXAM PREPARATION	PROJECT DELIVERY	STUDENT PRESENTATION	WASTEWATER FACILITIES
10:30 - 11:05	Life Cycle Costs for Wastewater Pumping Systems	Test Review	Construction Manager/General Contractor (CM/CG) Delivery for First Time Users	Student Presentation	Large Scale Belt Dryer Installations – Planning and Operation
	Aaron Terry-Xylem		Jeremy McVey-Haskell	TBD	Dieter Weinert-HUBER
Topic	ASSET MANAGEMENT				
11:10 - 11:45	Asset Management Plans- balancing the right level of effort	Chad Burrell— Snyderville Basin Water Reclamation District			
	Ryan Dooley-Brown and Caldwell	Brian Lamar-North Davis Sewer District			