

TUESDAY, AUGUST 8, 2023

MAINTENANCE	Dave Badgley, Chair	Jason Badgley, Co-Chair	SHOWROOM	SESSION	
7:30 AM – 8:20 AM	Maintenace Headaches Caused by Commissioning Fa	ailures – Ralph Stevens , Facilitation Unl	imited	1106	
8:30 AM - 9:20 AM	Integrating Valve Inspections With Pipeline Inspectio	ns 2023 – Britt Klein , Xylem Inc.		1206	7:0
9:40 AM – 10:30 AM	Overview of Classic and the New State of the Art Pipel Dave Badgley , Performance Pipeline Technologys	line Rehabilitation Technology		1306	7:00 AM - 7:30 AM - JAVA JOLT
10:40 AM – 11:30 AM	Trenchless Rehabilitation for Pressure Water, Sewer F <i>Jeff Cauffman, Primus Line</i>	orce Mains and Treatment Plants		1406	7:30 AI
11:40 AM – 12:30 PM	Demands for High Performance Specialty Coatings <i>Greg Wallace, Imerys Sewpercoat; Kim Almeida, Imerys</i>			1506	M - JAV
2:00 PM – 2:50 PM	Composite Manhole Covers Help Solve A Leading Cau Chad Nunnery, Composite Access Products (CAP)	se of Water Pollution		1606	A JOLT
3:00 PM - 3:50 PM	Hydraulic Odor and Corrosion Control in Sewer Drops Kerry Koressel, IPEX USA Vortex	and Water Tank Aeration		1706	
WASTEWATER COLLEC	CTION Brandon Martinez, Chai	r Andy Keller, Co-Chair GRA	ND BALLROOM B	SESSION	
7:30 AM – 8:20 AM	12 Years & Counting: City of Las Vegas Small Diamete Marco Velarde, Brown and Caldwell; Jon Osborne, Brown and C	_	vement	1102	
8:30 AM – 9:20 AM	Pilot Tube Guided Boring for New Gravity Sewer Insta Jeff Boschert, National Clay Pipe Institute	llation in San Diego		1202	9:20 AI
9:40 AM – 10:30 AM	Nozzle Capacity Cleaning – Malvin Nezat, Nezat Training o	and Consulting Inc.		1302	V - 9
10:40 AM – 11:30 AM	Wastewater Inspection Technologies - Complete Und	erstanding of Your System – Matt O	son, CUES Inc.	1402	:40 /
11:40 AM – 12:30 PM	Bakersfield's Odor Control Breakthrough: SulFeLox S. Michael Collins, USP Technologies; Kevin Peoples, City of Bakers	• •	e	1502	9:20 AM - 9:40 AM - JAVA JOLT
2:00 PM – 2:50 PM	Know Your Sewer Cleaning Hose - Practices, Identifica Kevin Witt, UEMSI/HTV; Bob Glick, Piranha Hose Products Inc.	ation, Repair, and Safety		1602	VA JOL
3:00 PM – 3:50 PM	Advancements in Underground Infrastructure Data C Mike Russin, WinCan; Andrew Wicker, Envirosight, LLC	ollection and Analysis		1702	
WASTEWATER TREAT	MENT LeAnna Risso, Chair	Sidney Innerebner, Co-Chair	SONOMA C & D	SESSION	
7:30 AM – 8:20 AM	Keys to Practical Equipment and Process Troubleshoo	ting - Part 1 – Ken Schnaars, Brown an	d Caldwell	1110	
8:30 AM – 9:20 AM	Keys to Practical Equipment and Process Troubleshoo	ting - Part 2 – Ken Schnaars, Brown an	d Caldwell	1210	
9:40 AM – 10:30 AM	BNR Optimization to Achieve Very Low Effluent Nitro	gen – John Richardson, Garver USA		1310	Ę
10:40 AM – 11:30 AM	Evaluating Facility Process Control Modification for C Dave Commons, Valley Sanitary District; James Mills, Valley San			1410	LUNCH A - 11:30 AM - 1:00
11:40 AM – 12:30 PM	Troubleshooting with Microbiology – Steve Leach, Leach	n Microbial		1510	1
2:00 PM – 2:50 PM	Troubleshooting an MBR Process Upset in a Landfill L e Ronald Overholt, U.S. Water Industrial Group	eachate Treatment Facility		1610	30 AM
3:00 PM - 3:50 PM	Case Studies for Aerobic Granular Sludge in North Am	nerica – Brett Quimby, Aqua-Aerobic Sys	tems	1710	1:0
WATER DISTRIBUTION	N Ken Snow, Chair	Steve Davis, Co-Chair GRA	ND BALLROOM A	SESSION	_
7:30 AM – 8:20 AM	Cathodic Protection Monitoring in Water and Wastew	rater Systems – Jamey Hilleary, Elecsys	Corporation	1111	/ / L
8:30 AM – 9:20 AM	Leak Detection and Pressure Modulation to Reduce N <i>Kevin Barnes, Fluid Conservation Systems</i>	on-Revenue Water Loss		1211	UNCHE
9:40 AM – 10:30 AM	Pipeline Contingency Planning and Selection of Mech Mike Scholz, JCM Industries	nanical Repair Fittings		1311	8 - 12:3
10:40 AM – 11:30 AM	Why Reline Instead of Dig and Replace? An Eco-Frience Steve Burks, CPM Pipelines; Levi Hawkins, CPM Pipelines	lly, Cost-Effective Approach for Wa	terlines	1411	PM / LUNCH B - 12:30 PM - 2:00 PM
1:00 PM – 1:50 PM	Waterline Joint Restraints: Why, Where, and Which Or	ne? – Jeff Phillips, Star Pipe Products		1511	2:00
2:00 PM – 2:50 PM	Peristaltic & Diaphragm Chemical Metering Pump, Ac Richard Hopkins, Blue-White	cessories and Systems for Water Sy	stems	1611	PM
3:00 PM – 3:50 PM	Chlorine Measurement - The Pros and Cons of Different Amirali Jiwani, HF Scientific	nt Methods in Water Systems		1711	

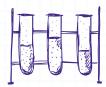
TUESDAY, AUGUST 8, 2023

ELECTRICAL / INSTRU	JMENTATION & CONTROLS Heath Szymanski, Chair Shane Hershey, Co-Chair SONOMA B	SESSION
7:30 AM – 8:20 AM	Protecting Wastewater System Motors from Damage on PWM Systems – Mark Gaskill, Nidec Motor Corporation	1114
8:30 AM – 9:20 AM	Out of Paper – Transitioning To Digital Field Forms For Daily Production and Treatment Mark French, NJBSoft; Joshi Pranam, NJB Soft	1214
9:40 AM – 10:30 AM	How Cloud-Based SCADA Provides True System Redundancy – Mauritz Botha, XiO, Inc.	1314
10:40 AM - 11:30 AM	Benefits of Online Amperometric Chlorine Measurement and Control – Chris LaCour, ProMinent Fluid Controls	1414
1:00 PM - 1:50 PM	Cover Your Ass(ets) by Developing a Dynamic Asset Management Program – Alec Hanson, Hazen and Sawyer	1514
2:00 PM – 2:50 PM	Convergence: Operational Technology Networks and the Evolving Cyber Threatscape Tony Bryson, Town of Gilbert	1614
3:00 PM – 3:50 PM	The Modern Water/Wastewater Control System Demystified: SCADA Foundations for Users Luke Stephenson, Enterprise Automation, A Tetra Tech Company; Nicholas Blischak, Enterprise Automation, A Tetra Tech Company	1714
GROUNDWATER/REC	HARGE Geno Mammini, Chair Don Hanson, Co-Chair NAPA C & D	SESSION
7:30 AM – 8:20 AM	Understanding Well Fouling and Developing Accurate Strategies - Part 1 Michael Schnieders, Water Systems Engineering; Edd Schofield, Johnson Screens	1104
8:30 AM – 9:20 AM	Understanding Well Fouling and Developing Accurate Strategies - Part 2 Michael Schnieders, Water Systems Engineering; Edd Schofield, Johnson Screens	1204
9:40 AM – 10:30 AM	Well Life and Renewal Program - Part 1 – Geoffrey Bates, California Water Service	1304
10:40 AM - 11:30 AM	Well Life and Renewal Program - Part 2 – Geoffrey Bates, California Water Service	1404
11:40 AM – 12:30 PM	Water Well Rehabilitation: Benefits, Risks, & Costs Associated with the Newest Technology Michael Bodart, General Pump Company, Inc.	1504
2:00 PM – 2:50 PM	Griggs-Walnut Groundwater Plume Superfund Site: From Dry Cleaner to Clean Drinking Chase Stearnes, Daniel B. Stephens & Associates, Inc.	1604
3:00 PM – 3:50 PM	Recharge Wells Revisited – Roxanne Holland, City of Sedona; Mike Atwater, City of Sedona	1704
LABORATORY	John Shephard, Chair Dana LaRance, Co-Chair SONOMA A	SESSION
7:30 AM – 8:20 AM	Advanced Dose Control: iCT-based Optimization of Disinfection Chemistries – Ian Watson, USP Technologies	1103
8:30 AM – 9:20 AM	Ins and Outs of BOD – Rita Rasmussen, City of Henderson	1203
9:40 AM – 10:30 AM	Proper Record Keeping for Sample Collection and Analysis at Water and Wastewater Plants Peter Strimple, CTI & Associates	1303
10:40 AM - 11:30 AM		
	QC Procedures for pH, Chlorine, and Turbidity Analyses at In-House Laboratories – Peter Strimple, CTI & Associates	1403
1:00 PM – 1:50 PM	QC Procedures for pH, Chlorine, and Turbidity Analyses at In-House Laboratories – Peter Strimple, CTI & Associates Micro ELN©, an Innovative Data Management System for Automated Microbiological Analysis Victoria Littlepage, BT Soft; Devon Morgan, Clark County Water Reclamation District	1403 1503
	Micro ELN©, an Innovative Data Management System for Automated Microbiological Analysis	
2:00 PM – 2:50 PM	Micro ELN©, an Innovative Data Management System for Automated Microbiological Analysis Victoria Littlepage, BT Soft; Devon Morgan, Clark County Water Reclamation District	1503
2:00 PM – 2:50 PM 3:00 PM – 3:50 PM	Micro ELN©, an Innovative Data Management System for Automated Microbiological Analysis Victoria Littlepage, BT Soft; Devon Morgan, Clark County Water Reclamation District Wastewater Testing: Enzymatic Methods Used to Detect Indicator Bacteria – Shawn Dubois, IDEXX The Environmental Laboratory: Sample Collection Procedures	1503 1603
2:00 PM – 2:50 PM 3:00 PM – 3:50 PM RECLAIM / REUSE	Micro ELN©, an Innovative Data Management System for Automated Microbiological Analysis Victoria Littlepage, BT Soft; Devon Morgan, Clark County Water Reclamation District Wastewater Testing: Enzymatic Methods Used to Detect Indicator Bacteria – Shawn Dubois, IDEXX The Environmental Laboratory: Sample Collection Procedures Marci Payne, Legend Technical Services of Arizona, Inc.	1503 1603 1703
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	Micro ELN©, an Innovative Data Management System for Automated Microbiological Analysis Victoria Littlepage, BT Soft; Devon Morgan, Clark County Water Reclamation District Wastewater Testing: Enzymatic Methods Used to Detect Indicator Bacteria – Shawn Dubois, IDEXX The Environmental Laboratory: Sample Collection Procedures Marci Payne, Legend Technical Services of Arizona, Inc. Frederick Tack, Chair Coenraad Pretorius, Co-Chair NAPA & B Virus Log Reduction Values (LRV) for Secondary Biological Treatment Phillip Wang, Southern Nevada Water Authority; Tyler Hill, Southern Nevada Water Authority Reverse Osmosis in Potable Reuse: Increasing LRV Credit Through Different Virus Surrogates Hannah Ray, Southern Nevada Water Authority WRF Expansion and Optimization: Squeezing Every Drop Out of Resources and Footprint Gary Whitten, GHD; Todd Hansen, MGC Contractors Utilizing MBR+RO to Reduce Water Consumption by 70% at a Tractor Manufacturing Facility Larry Morris, Kubota Membrane USA Corporation	1503 1603 1703 SESSION 1109 1209 1309



TUESDAY, AUGUST 8, 2023

STORMWATER	Jennifer Davis, Chair Jessica Gaffney, Co-Chair GRANDVIEW LOUNGE	SESSION	
7:30 AM – 8:20 AM	Cigarette Waste and the Waters of America – Kenneth Beckstead, Cigarette Pollution Solutions	1113	
8:30 AM – 9:20 AM	Lower Las Vegas Wash – Seeking Stability in a Dynamic Stream System Matt Wilkinson, Atkins; Anita Marquez, Southern Nevada Water Authority	1213	7:00
9:40 AM – 10:30 AM	Retrofit and Rehabilitation of Bioretention LID BMPs – Adrian Montoya, Riverside County Flood Control & Water Conservation District; Matt Yeager, Riverside County Flood Control & Water Conservation District	1313	AM - 7
10:40 AM – 11:30 AM	Stormwater Capture and Recycling in an Urban Park Ron Rovansek, PACE Advanced Water Engineering; James Matthews, PACE Advanced Water Engineering	1413	:30 AM -
1:00 PM – 1:50 PM	Nevada Division of Environmental Protection (NDEP): What's New in Stormwater? Kathryn Foxworthy, Nevada Division of Environmental Protection (NDEP)	1513	JAVA J
2:00 PM – 2:50 PM	No More Rock, Paper, Scissors: The Shift to Dynamic, Interactive, and Digital Reporting Elizabeth Ruedas, Michael Baker International; Leigh Patterson, California State Parks	1613	100
3:00 PM – 3:50 PM	Resilient Stormwater Infrastructure – Wildfires, Emergency Evacuation, and Recovery Gean Na, American Concrete Pipe Association of California	1713	



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#16 Smith & Loveless Inc 1/2H 1st half

WEDNESDAY, AUGUST 9, 2023

MAINTENANCE	Dave Badgley, Chair Jason Badgley, Co-Chair SHOWROOM	SESSION
:30 AM – 8:20 AM	Will Your Tank Survive a Major Earthquake – Mark Moore, Blue Locker Commercial Diving	2106
8:30 AM – 9:20 AM	Maintenance Hole, Pump & Lift Station, Utility Vault Structure Rehabilitation Technologies Dave Badgley, Performance Pipeline Technologies	2206
9:40 AM – 10:30 AM	Structural Assessments and Asset Preservation Strategies for Steel Water Tanks Leslie Scott, Tank Industry Consultants	2306
10:40 AM – 11:30 AM	Optimizing Water Main Rehabilitation Using the "Assess-and-Fix" Approach Randall Cooper, Envirologics Engineering	2406
11:40 AM – 12:30 PM	Jeopardy: An Interactive Lesson on the Functions of Water & Wastewater Air Valves Crystal Flitton, GSM Arizona	2506
2:00 PM – 2:50 PM	The Answer to Sustainable Wastewater Treatment, Conveyance & Surface Water Protection Suzan Chin-Taylor, Creative Ravin; Rodney Dickerson, PE, EnBiorganic Technologies	2606
3:00 PM – 3:50 PM	Predictive Maintenance for Electric Motors – Don Taft, Valley Power Systems	2706
WASTEWATER COLLE	CTION Brandon Martinez, Chair Andy Keller, Co-Chair GRAND BALLROOM B	SESSION
7:30 AM – 8:20 AM	Hotspot and Periodic Line Cleaning Best Practices – Sean Dingman, Websoft Developers	2102
8:30 AM – 9:20 AM	Principles of Root Foaming - Implementing a Chemical Sewer Root Control Program Tom Edwards, Duke's; Brian Conroy, Duke's	2202
9:40 AM – 10:30 AM	Systematically Analyzing Wastewater Collections Data to Drive Decisions Joseph Siva, Pima County; Jessica McGullam, Pima County	2302
10:40 AM – 11:30 AM	How Will the New ASTM Cleaning Standards Affect Your Sewer Collections Organization? Kent Carlson, National Clay Pipe Institute	2402
11:40 AM – 12:30 PM	Hydraulic Odor & Corrosion Control in Sewer Drops – Kerry Koressel, IPEX USA Vortex	2502
2:00 PM – 2:50 PM	Applications of Wastewater-Based Epidemiology in Public Health: SARS CoV-2 and Beyond Kathrine Crank, Southern Nevada Water Authority; Casey Barber, University of Nevada Las Vegas	2602
3:00 PM – 3:50 PM	Small City, Big Dreams - Implementing an In-House CCTV Program Roxanne Holland, City of Sedona; Greg Payne, City of Sedona	2702
WASTEWATER TREATI	MENT LeAnna Risso, Chair Sidney Innerebner, Co-Chair SONOMA C & D	SESSION
7:30 AM – 8:20 AM	Densification: Combining Biological, Chemical, and Physical Selection Approaches Daniel Dair, World Water Works	2110
8:30 AM – 9:20 AM	Smart Water: Primer and Case Study Grab Bag – Chris Maher, Clean Water Services	2210
9:40 AM – 10:30 AM	Optimizing Polymer Activation for Improved Dewatering: Following the Science Kevin Sanner, UGSI Solutions; Robin Giguere, UGSI Solutions	2310
10:40 AM – 11:30 AM	The Mechanics of Centrifuge Biosolids Dewatering and Thickening Optimization – Sean Tierney, Frazenburg	2410
11:40 AM – 12:30 PM	Clarifiers: A Discusion of Critical Design Details – John Esler, Clarifiers.com	2510
2:00 PM – 2:50 PM	Put in a Pipe! Closed Vessel UV for Wastewater Disinfection – Patrick Bollman, Evoqua	2610
3:00 PM – 3:50 PM	Applying Ozone and AOP for Multiple Processes at Industrial WWTPs Alex Bettinardi, De Nora Water Technologies	2710
WATER DISTRIBUTION	N Ken Snow, Chair Steve Davis, Co-Chair GRAND BALLROOM A	SESSION
7:30 AM – 8:20 AM	Why Mix? The Key Benefits and Technology Behind Reservoir Mixing David Hartwig, D&H Water Systems, Inc.	2111
8:30 AM – 9:20 AM	Solutions for Control Tapping, Line-Stops, Valve Insertions – Michael Urwin, Hydra-Stop	2211
0.40 444 10.20 444	Intro to Line Stops, Valve Insertions, Hot Taps, & Pipe Freezing Steven Helm, Tap Master, Inc.	2311
9:40 AM – 10:30 AM		
10:40 AM - 11:30 AM	Hydrant Flushing Distribution Water Mains During the Drought, Without Wasting Water! Chris Wilkinson, NO-DES	2411
		2411 2511
10:40 AM – 11:30 AM	Chris Wilkinson, NO-DES	

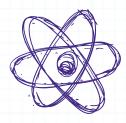


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ELECTRICAL / INSTRU	JMENTATION & CONTROLS Heath Szymanski, Chair Shane Hershey, Co-Chair SONOMA B	SESSION
7:30 AM – 8:20 AM	Chandler Pecos SWTP SCADA Upgrades - Discovery Through Design Teresa Smith-DeHesus, Jacobs; Jay Hardison, Jacobs	2114
8:30 AM – 9:20 AM	Consequences of Water and Wastewater Cyber Breaches and Potential Mitigation Strategies Constantine Antoniou, Schneider Electric	2214
9:40 AM – 10:30 AM	SCADA Network Connectivity Hurdles with Geographically Challenged Sites Mark Reski, Quantum Engineering	2314
10:40 AM – 11:30 AM	Instrumentation Diagnostics Deserve Their Own PLC – Nick Hanson, Endress+Hauser	2414
1:00 PM – 1:50 PM	eRIS - Log Your Data From Anywhere at the Plant & Manage Multiple Data Sources Mike Espejo, Suez; Tim Kruse, Suez	2514
::00 PM – 2:50 PM	The Electrical Trilogy – Ralph Stevens, Facilitation Unlimited	2614
3:00 PM – 3:50 PM	Masaqua: A New Control System to Streamline MBR Operations and Decrease OPEX and CAPEX Larry Morris, Kubota Membrane USA Corporation	2714
NVIRONMENTAL CO	OMPLIANCE/PRETREATMENT Nicole deMoet, Chair Stephanie Pezzelle, Co-Chair NAPA C & D	SESSION
30 AM – 8:20 AM	Regulating Commercial Customers – Randy De La Garza, City of Surprise, AZ	2107
:30 AM – 9:20 AM	Managing Ordinances for FOG and Industrial Users – Rick Allen, BioLynceus, LLC	2207
:40 AM – 10:30 AM	Managing Your Septic and Grease Haulers – Rick Allen, BioLynceus, LLC	2307
0:40 AM – 11:30 AM	Smart POTW Approaches to PFAS – John Shaffer, EEC Environmental	2407
1:40 AM – 12:30 PM	THC in Water and Wastewater – Zachary Golden, Golden Environmental LLC	2507
2:00 PM – 2:50 PM	A Semiconductor in the Desert: An Industrial Pretreatment Case Study Chelsey Weaver, City of Phoenix	2607
:00 PM – 3:50 PM	Hazardous Building Materials - More Than Just a Requirement Chris Cisneros, Phoenix Sky Harbor Int'l Airport	2707
NVIRONMENTAL HE	EALTH/SAFETY & SECURITY Tim Page-Bottorff, Chair Jon Cordoba, Co-Chair NAPA A & B	SESSION
7:30 AM – 8:20 AM	Elevating Safety Culture: A Journey Towards World-Class Leadership Jon Cordoba, P3 Safety Solutions	2108
3:30 AM – 9:20 AM	The Humor in Safety – Tim Page-Bottorff, SafeStart	2208
9:40 AM – 10:30 AM	Cell Phones Don't Cause Accidents; People Do: A Look at Human Factors Dave Silva, Silva Performance Solutions	2308
10:40 AM – 11:30 AM	Influencing Your Organization's Culture to Build Resilience – Maribeth Anderson, Xylem	2408
1:00 PM – 1:50 PM	Your Ace in the Hole - Supervisors Are the Key to Safety Leadership Mary Silva, Crum and Forster	2508
2:00 PM – 2:50 PM	STCKY Chemicals: Real-World Hazard Communications Russell Duren, PGM Safety Services	2608
3:00 PM - 3:50 PM	Active Shooter and Workplace Violence – Shayne Anderson, Eye On Safety	2708
STORMWATER	Jennifer Davis, Chair Jessica Gaffney, Co-Chair GRANDVIEW LOUNGE	SESSION
7:30 AM – 8:20 AM	Construction Site Stormwater Inspections Made Simple T. Luke Owen, NPDES Stormwater Training Institute	2113
3:30 AM – 9:20 AM	Between a Rock Bag and a Hard Place: Enforcement and the Non-Compliant Construction Site Shawnetta Grandberry, City of Carlsbad	2213
9:40 AM – 10:30 AM	The Runway to Success is Always Under Construction: CGP Stormwater Compliance at an Airport Rick Rogowski, City of Phoenix Aviation Department; Lisa Farinas, City of phoenix	2313
10:40 AM – 11:30 AM	Breachable Moments: Responding to Stormwater Discharges at Large-Scale Construction Sites Shawnetta Grandberry, City of Carlsbad	2413
1:00 PM – 1:50 PM	Stormwater Collection & Removal of Suspended Debris, Hazardous Metals, and Organics James Impero, Ovivo USA, LLC; Abner Aviles, OVIVO, USA, LLC	2513
1:00 PM – 1:50 PM 2:00 PM – 2:50 PM	•	2513 2613

WEDNESDAY, AUGUST 9, 2023

SURFACE WATER/WA	TER TREATMENT	Raj Chavan, Chair	Blake Gonska, Co-Chair	SONOMA A	SESSION
7:30 AM – 8:20 AM	Chemical and Microbi <i>Katerina Papp, Southern N</i>		Homelessness in an Urban Watershed		2112
8:30 AM – 9:20 AM	Water Treatment in S	mall Communities and Develo	pping Countries – Sujit Pawar, Atkins		2212
9:40 AM – 10:30 AM	•	uates In-Situ Electrogenerated ning and AMS; Roy Sanchez CWP, Cit	l Ferrous Reagent for Arsenic Removal y of Alamosa		2312
10:40 AM – 11:30 AM	Cleaning Optimization: Selecting the Best Conditions for RO Effective Cleaning Joshua Utter, American Water Chemicals				2412
1:00 PM – 1:50 PM		nrcity – Achieving ZLD For Drinki r Inc.; Tony Powell, Purifics Water Inc.	ng Water Using SiC Ceramic Membranes		2512
2:00 PM – 2:50 PM	Reverse Osmosis Fund Brad Reisinger, Hazen	damentals: Basics to Form a Soli	d Understanding of Operating Principle	es	2612
3:00 PM – 3:50 PM	•	hogen and Chemical Contami hnologies; Kamrun Ahmadi, City of F	nant Treatment Commitments with UV Reno	Г АОР	2712



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#3 JA Crawford 1/2H



THURSDAY, AUGUST 10, 2023

MAINTENANCE	Dave Badgley, Chair	Jason Badgley, Co-Chair	SHOWROOM	SESSION	
7:30 AM – 8:20 AM	Leak Detection 101 - Basic Methodology and Trouble	shooting – James Maushart, SebaKMT		3106	
8:30 AM – 9:20 AM	Ice Pigging - Advanced Pipe-Cleaning Technology – P	Paul Treloar, American Pipeline Solutions		3206	7:0
9:40 AM – 10:30 AM	Maintaining Your Automatic Control Valve – Jim Lugo,	Watts Water Technologies; Scott Allison, D	elco Sales	3306	O A
10:40 AM - 11:30 AM	Smart Phone, Smart Cars, Smart Cathodic Protection sy	rstems? – Charlie Poore , MESA Products, Ind	-	3406	VI - 7
11:40 AM – 12:30 PM	Well System Management and Rehabilitation Progra	m – Jason Mace, Southern Nevada Water i	Authority	3506	:30
2:00 PM – 2:50 PM	Water Flush, Oil Lube, Water Lube, or Submersible W <i>Mike Bodart, General Pump Company, Inc.</i>	ell Pumps?		3606	7:00 AM - 7:30 AM - JAVA JOLT
3:00 PM – 3:50 PM	Training For Compliance and Competency <i>James Mcpherson, CTS International, Inc.; Ralph Strevens, Comp</i>	petency Training Systems		3706	AVA JO
WASTEWATER COLLEC	TION Brandon Martinez, Chair	Andy Keller, Co-Chair GRAN	D BALLROOM B	SESSION	5
7:30 AM – 8:20 AM	Overview of Classic and State of the Art Gravity Pipel David Badgley, Badgley & Associates	line Rehabilitation Technologies		3102	
8:30 AM – 9:20 AM	Transitioning from a Reactive to a Proactive CCTV Pro Stephanie Prescott, Jack Doheny Company; Kyle Secrist, Rapidvi	-		3202	
9:40 AM – 10:30 AM	Gas Detectors Calibration & Bump Test Requirements: W <i>Michael Calvo, GFG Instrumentation</i>	/hat Do Negative Display Readings Me	an?	3302	9:20
10:40 AM – 11:30 AM	Combo Machine Maintenance Jake Haaker, Haaker Equipment Company; Jake Boyle, Haaker E	Equipment Company		3402	9:20 AM - 9:40 AM - JAVA JOLT
11:40 AM – 12:30 PM	Lower Costs, Lower Risks - New Relief from Optimized	Cleaning – Jay Boyd, ADS Enviromental Ser	vices	3502	:40
2:00 PM – 2:50 PM	Collection System Life Cycle Cost Consideration Com Derek Lachut, Environment One Corporation	paring Options		3602	AM - JA
3:00 PM – 3:50 PM	How the Inland Empire Utilities Agency Turbocharge <i>Megan Livak, SmartCover Systems; Lucia Diaz, Inland Empire Utilities</i>			3702	VA JOL
WASTEWATER TREATM	IENT LeAnna Risso, Chair	Sidney Innerebner, Co-Chair	SONOMA C & D	SESSION	
7:30 AM – 8:20 AM	Wastewater Treatment Aeration Applications and Blo <i>Richard Barile, Sulzer; Steven Seymour, Saddleback Environmen</i>	_		3110	
8:30 AM – 9:20 AM	Mitigating Energy Demand Charges: Putting Energy <i>George Schuitt, AESC-Inc.</i>	Optimization in the Hands of Opera	tors	3210	
9:40 AM - 10:30 AM	Do I Need Grit Removal? – Eric Tobin, Hydro International			3310	=
10:40 AM - 11:30 AM	How Design Impacts Headworks Screening Systems -	- Dave Barkey, JWC Environmental		3410	Z
11:40 AM – 12:30 PM	New Screen Capture Efficiency Sampling and Testing <i>Abner Aviles, OVIVO, USA, LLC</i>	Protocol for WWTP Screens		3510	HA-1
2:00 PM – 2:50 PM	Enhanced Domestic Primary Wastewater Treatment <i>John Dyson, Aqua-Aerobic Systems, Inc.</i>	Utilizing Pile Cloth Media Filtration		3610	1:30 AI
3:00 PM – 3:50 PM	Master Planning for Risk-Based Prioritization of Association (Coral Taylor, Carollo Engineers	et Replacement - Case Study		3710	LUNCH A - 11:30 AM - 1:00
WATER DISTRIBUTION	Ken Snow, Chair	Steve Davis, Co-Chair GRAN	D BALLROOM A	SESSION	77
7:30 AM – 8:20 AM	Pumps and Motors for Water Operators Chase Stearnes, Daniel B. Stephens & Associates, Inc.; Michael A.			3111	/ LUN
	AWWA D102 Tank Coatings: Which Systems Offer Long	-	sts	3211	HE
8:30 AM – 9:20 AM	in Water Systems – Randy Moore, Tnemec; Travis Gold, Atlanti	e country consultants, memce			
9:40 AM – 10:30 AM	How to Develop a Valve Maintenance Program, No M Sharon Lydon, Wachs Utility Products			3311	12:30 P
	How to Develop a Valve Maintenance Program, No M	atter the Size of Your Budget		3311 3411	12:30 PM -
9:40 AM – 10:30 AM	How to Develop a Valve Maintenance Program, No M Sharon Lydon, Wachs Utility Products	atter the Size of Your Budget AU - MUNICIPEX / Golden Sun Marketing	ems		12:30 PM - 2:00 PM
9:40 AM – 10:30 AM 10:40 AM – 11:30 AM	How to Develop a Valve Maintenance Program, No M Sharon Lydon, Wachs Utility Products History of Water Service Line Materials – Whit Hall, REH Increasing Data Collection Accuracy to Solve the Hyd	atter the Size of Your Budget AU - MUNICIPEX / Golden Sun Marketing Iraulic Model Mystery in Water Syste		3411	M / LUNCH B - 12:30 PM - 2:00 PM

THURSDAY, AUGUST 10, 2023

BACKFLOW PREVENT	TION Nathan Ellis, Chair TBD, Co-Chair SONOMA B	SESSION
7:30 AM – 8:20 AM	Backflow Troubleshooting 101 – Chris Castaing, San Diego County Water Authority	3101
8:30 AM – 9:20 AM	Developing a Backflow Program Start to Implementation – Ken Ashlock, Cross Connection Environmental	3201
9:40 AM – 10:30 AM	Basics of Backflow and Troubleshooting - Part 1 – Sean Perry, Apollo Valves	3301
10:40 AM – 11:30 AM	Basics of Backflow and Troubleshooting - Part 2 – Sean Perry, Apollo Valves	3401
1:00 PM – 1:50 PM	Running a Backflow Cross-Connection Program – Randy De La Garza, City of Surprise	3501
2:00 PM – 2:50 PM		3601
3:00 PM – 3:50 PM		3701
ENVIRONMENTAL CO	MPLIANCE/PRETREATMENT Nicole deMoet, Chair Stephanie Pezzelle, Co-Chair NAPA C & D	SESSION
7:30 AM – 8:20 AM	Digital Transformation - Automating Industrial Pretreatment Permits <i>Mark French, NJB Soft; Alex Chakmak, NJB Soft</i>	3107
8:30 AM – 9:20 AM	Creating a Municipal Fats, Oils, & Grease Program – Sam Mcleod, FOG BMP	3207
9:40 AM – 10:30 AM	Sustainable W & WW Collection System Cleaning, Odor, FOG & HAB Reduction Is Under Our Feet Jim Aanderud, Permidian Technologies LLC; Suzan Chin-Taylor, The TUIT Group and Creative Raven	3307
10:40 AM – 11:30 AM	The Building Blocks of FOG - How to develpe a FOG Control Program Joseph Jenkins, EEC Environmental	3407
11:40 AM – 12:30 PM	Co-Contaminants in Water - Achieving Compliance with a Mix of Influent Chemicals Cathy Swanson, Purolite LLC, an Ecolab Company	3507
2:00 PM – 2:50 PM	Pretreatment Compliance Audits and Inspections – James Polek, US EPA Region 9	3607
3:00 PM – 3:50 PM	EPA Pretreatment Update – Amelia Whitson, US EPA Region 9	3707
ENVIRONMENTAL HE	ALTH/SAFETY & SECURITY Tim Page-Bottorff, Chair Jon Cordoba, Co-Chair NAPA A & B	SESSION
7:30 AM – 8:20 AM	Arc Flash and Electrical Safety: A Review of NFPA 70E – Alex VandenBroeck, ATM Electric	3108
8:30 AM – 9:20 AM	Safety Issues Facing Collection System Workers – Malvin Nezat, Nezat Training and Consulting	3208
9:40 AM – 10:30 AM	Ensuring Safety Compliance in Your Training Program James Mcpherson, CTS International; Ralph Stevens, Competency Training Systems	3308
10:40 AM – 11:30 AM	The Big Hole in Confined Space - Gas Meter Competence Training – Jason Call, Tinosi	3408
1:00 PM – 1:50 PM	What is Process Safety Management (PSM) of Highly Hazardous Chemicals? Shayne Anderson, Eye On Safety	3508
2:00 PM – 2:50 PM	Safety Is No Accident - Pump Station Safety – Joe Schmidt, Smith and Loveless	3608
3:00 PM – 3:50 PM	2023 Trench Safety Awareness: What You Need to Know About Excavations Kris Graham, United Rentals	3708
LEADERSHIP DEVELO	PMENT Brett Offerman, Chair Lisa Farinas, Co-Chair GRANDVIEW LOUNGE	SESSION
7:30 AM – 8:20 AM	Bridging the Generational Gap in Operations Chris Carey, City of Sedona; Greg Payne, City of Sedona	3105
8:30 AM – 9:20 AM	Developing Frontline Supervisors for Leadership Success - Are They Ready? <i>Michele Rodriguez-Florez, Ridgecresta; Jennifer Rojas, Long Beach Water Department</i>	3205
9:40 AM – 10:30 AM	Building Your Water Career - Part 1 – Michele Rodriguez-Florez, Ridgecresta	3305
10:40 AM – 11:30 AM	Building Your Water Career - Part 2 – Michele Rodriguez-Florez, Ridgecresta	3405
	Managing the Training Function	3505
1:00 PM – 1:50 PM	James Mcphereson, CTS International, Inc.; Ralph Stevens, Competency Training Systems	
1:00 PM – 1:50 PM 2:00 PM – 2:50 PM	James Mcphereson, CTS International, Inc.; Ralph Stevens, Competency Training Systems The Best Way to Attract and Retain OITs/Interns – Holistic Early Career Programming Jordan Rodriguez, Stantec	3605



THURSDAY, AUGUST 10, 2023

SURFACE WATER/WA	TER TREATMENT	Raj Chavan, Chair	Blake Gonska, Co-Chair	SONOMA A	SESSION	
7:30 AM – 8:20 AM	PFAS - Chasing the Ro	egulations with Treatment – Ca	nthy Swanson, Purolite LLC, an Ecolab Company		3112	7
8:30 AM – 9:20 AM	•	cing Native American Tribes an orado River Regional Water System	nd Potential Solutions		3212	:00 AM
9:40 AM – 10:30 AM	PFAS - The Latest and	d Greatest – Heather Jennings, Prol	biotic Solutions		3312	- 7:
10:40 AM – 11:30 AM	Treatment for PFAS: A Scott Grieco, Jacobs	Are There Advantages to Incor	porating Dual Adsorbents?		3412	30 AM
1:00 PM – 1:50 PM	, ,	on-Functional Turf Removal ar orth America; Brian Rowley, Clark Cou	nd Its Effect on the Flood Control Plan unty Regional Flood Control District		3612	- JAVA J
2:00 PM – 2:50 PM	-	hange Systems for the Treatme Technologies, Inc.; Tim Berschauer, C	ent of Nitrate Contaminated Groundwate Charles P. Crowley Company	er	3712	101
3:00 PM - 3:50 PM	Plant and Vertical As	set Inspection Best Practices –	Sean Dingman, Websoft Developers		3712	



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ONCE THE SEMINAR IS OVER, YOU WILL NEED YOUR CONFIRMATION NUMBER TO RETRIEVE YOUR CEU INFORMATION.

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