



Operator Symposium

Tuesday, March 17, 2015
 Up to 6 contact hours each day

Time	WATER TREATMENT & WATER QUALITY	EMERGENCY PREPAREDNESS & CERTIFICATION	DISTRIBUTION SYSTEM OPERATIONS & MAINTENANCE	REGULATORY CONCERNS
8:30 AM - 9:20 AM	Ozone Operating Experiences at the Robert A. Skinner WTP Jon Bloomberg, Metropolitan Water District	Issues, Tools, & Guidance on Water Security, Preparedness, and Emergency Response Joseph Crisologo, SWRCB-DDT	Monitoring Pressuring Reducing Valve Stations to Improve Water Distribution Management Roger Lah, Cla-Val Co.	Update on Federal Drinking Water Regulations Bruce Macler, EPA
9:20 AM - 9:40 AM	BREAK			
9:40 AM - 10:30 AM	Operation of Biofiltration Process at the Robert A. Skinner WTP Brendan Park, Metropolitan Water District	Emergency Management and You Gary Sturdivan, Sturdivan Consulting	Side-by-Side Comparison of Nondestructive Examination of LADWP Water Mains Dan Ellison, HDR Inc.	History of Drinking Water in California Update on California Drinking Water Regulations Jeff O'Keefe, DDW
10:30 AM - 11:10 AM	BREAK			
11:10 AM - 12:00 PM	The Basics of Carbon Dioxide Injection Methods and Equipment for pH Control Mike Dirth, TOMCO	Lessons Learned from the Napa Earthquake Gary Sturdivan, Sturdivan Consulting	On Demand Pump Condition Assessment and Optimization Jeff Miller, Schneider Electric	Revised Total Coliform Rule Overview Scott Rovanner, City of Benicia
12:00 PM - 1:00 PM	LUNCH - COMPETITIONS			
1:00 PM - 1:50 PM	Practical Guide to Inorganic Remediation of Groundwater Cathy Swanson, Evoqua	Differences & Similarities of the Drinking Water and Wastewater Operator Certification Program Wes Wilkinson and Alice Webber, SWRCB	Benefits of Developing an All Mains Hydraulic Model Using GIS Data Matt Yucelen, San Gabriel Valley Water	How to Comply with the New Statewide Permit for Drinking Water System Discharges Diana Messina, SWRCB
2:00 PM - 2:50 PM	Blue Green Algae Formation in Raw Water Reservoirs David Summerfield, Medora/Solarbee	Cyber Threats to Critical Infrastructure Ron Williams, Talon Executive Services	Development of a Regional Well Rehabilitation and Replacement Program Russell Kyle, Wood Rodgers, Inc. Lawrence Ernst, Wood Rodgers, Inc	The New NPDES Permit Application Process for Potable Water Discharges Brandy Hancocks, Golden State Water
3:00 PM - 3:50 PM	Addressing Seasonal Blue Green Algae Blooms - A Case Study Sam Silva, California Water Co.	The Future of Certification within the CA-NV Section, AWWA Steven Garner, CA-NV-AWWA	Well Maintenance Mike Fogel, California Water Co.	Best Management Practices (BMPs) for Meeting the New NPDES Permit for Potable Discharge Greg Buncab, Alameda County WD



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Time	PUMPS & TANKS	ADVANCED TREATMENT	DISTRIBUTION SYSTEM WATER QUALITY	TOPS-OP'S CHALLENGE
8:30 AM - 9:20 AM	Water Tank Selection, Maintenance, and Inspection Matt Tasch and John Hake, Superior Tank	Advanced Water Treatment Fred Gerringer, Trussell Technologies	Coliform Sampling and Testing Experiences in Potable Distribution Systems Rick Zimmer, Eurofins	Top-Op's Challenge
9:20 AM - 9:40 AM	BREAK			
9:40 AM -10:30 AM	Reducing Operating and Maintenance Costs with Peristaltic Metering Pumps Bill Schiller, Watson Marlow Pumps	Advanced Oxidation Processes from an Operational Perspective David Hokanson, Trussell Technologies	Chloramination Strategies, Monitoring, and Control David Roskowic, ASA Chemsan	Top-Op's Challenge
10:30 AM -11:10 AM	BREAK			
11:10 AM -12:00 PM	Innovative Progressive Cavity Technology Saves Time and Money Max Rupert, Seepex	Fine Tuning UV Disinfection for Effective and Efficient Operation Bill Sotirakos, Carollo Engineers	Nitrification in Distribution Systems: Effects, Causes, and Control Helene Baribeau, AQUAlity Engineering	Top-Op's Challenge
12:00 PM - 1:00 PM	LUNCH-Top-Op's			
1:00 PM - 1:50 PM	Do This, Not That - Build it Right to Get the Most Out of Your Facilities Mike Fogel, California Water Co.	Membranes Part 1: Membrane Filtration Jim Vickers, SPI Engineering	The Science of Mixing and Improving Water Quality Paul Handke, Tideflex	
2:00 PM - 2:50 PM	Effective Tank Maintenance Planning and Execution Stephen Harrison, California Water Co.	Membranes Part 2: Reverse Osmosis Eric Owens, West Basin MWD	Disinfection Byproduct Control through Proper Tank Design and Operation Paul Handke, Tideflex	
3:00 PM - 3:50 PM	High Performance Protective Coatings for Tanks Stephen Harrison, California Water Co.	In-Line Filtration Using UF Membranes for the East Valley Water District Greg Wetterau, CDM-Smith	THM Removal by In-Tank Mixing or Air-Stripping: Which Method is Best for You David Summerfield, Medora/Solarbee	