

“WSO Innovates” - Conference Presentations and Journal Publications

March – June 2021

Conference or Journal	Conference/ Publication Date	WSO Staff Presenter/Author	Presentation/Article Title	Presentation/Article Description
WateReuse 36th Annual Symposium	March 1- April 23	Sun Liang Joyce Lehman George Di Giovanni Shawn Thompson (LACSD)	Expert Panel: Demonstration Testing on the Path to Potable Reuse with MBRs	Broad range of topics regarding current status of demonstration testing at the Regional Recycled Water Advanced Purification Center.
WateReuse 36 th Annual Symposium	March 17	Sun Liang	Understanding the Effects of Treating Non-Nitrified Wastewater Effluent through Advanced Water Treatment Processes	Nitrification/denitrification studies for treating secondary wastewater effluent at the Regional Recycled Water Advanced Purification Center.
ACWA Webinar: Safe Drinking Water Regulatory Landscape	March 24	Terri Slifko	Changes, Updates, and New Rules: PFAS	Overview of recent state and federal legislative and regulatory activities for PFAS.
Science of the Total Environment (Journal)	March 30	Seyoum Gebremariam Paul McCormick Paul Rochelle	Evidence of a Rapid Phosphorus-Induced Regime Shift in a Large Deep Reservoir	Nutrient enrichment in Diamond Valley Lake and subsequent water quality issues.
AWWA Research Webinar - Leading Research in the Field of Potable Reuse	April 14	Paul Rochelle George Di Giovanni	Pathogen Removal for MWD's Regional Recycled Water Program	Pathogen reduction testing of the secondary membrane bioreactor (MBR) process at the Regional Recycled Water Advanced Purification Center.
NALMS National Monitoring Conference	April 19	Seyoum Gebremariam	Near Real-Time Monitoring of Cyanobacterial Blooms in Drinking Water Supply Reservoirs Using Satellite Data	Satellite-based water quality monitoring, specifically tracking cyanobacterial activity and blooms at Metropolitan reservoirs.
Water Industry University Research Symposium	May 13	Laura Ceballos	Meter Testing at Utah State University Water Research Laboratory	Collaboration with Utah State University Research Lab on improved design approaches for Metropolitan's service connection meters.
California-Nevada AWWA Desalination and Water Reuse Summer 2021 Workshop	May 20	Joyce Lehman	MBR in Reuse: Metropolitan Water District	Overview of the Regional Recycled Water Program, focusing on the Advanced Purification Center demonstration facility and preliminary results of MBR testing.

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AWWA 2021 Annual Convention and Exposition (ACE)	June 14	Presenter: Sun Liang Metropolitan co-authors: Joyce Lehman, George Di Giovanni	Advanced Water Treatment Using Tertiary Membrane Bioreactor for Potable Reuse	Secondary membrane bioreactor (MBR) process testing at the Regional Recycled Water Advanced Purification Center.
Singapore International Water Week 2021	June 29	Sun Liang	Membrane Bioreactor for Indirect and Direct Potable Reuse Applications to Treat Primary or Non-nitrified Secondary Wastewater Effluent	Review of indirect and direct potable reuse options for the Regional Recycled Water Program and associated water quality and testing considerations.