

**2022 NWEA Conference  
Technical Program**



**MONDAY 01/31/2022**

EVENT/TECHNICAL SESSION	ID	START	END	MIN	
Breakfast Bar - Day 1	H08	7:30 AM	8:30 AM	60	Lobby
General Opening Session	S01	8:30 AM	9:00 AM	30	External
Speaker 01 - Track B	B01	9:00 AM	10:00 AM	60	Sienna
Speaker 01- Track C	C01	9:00 AM	10:00 AM	60	Tuscany
Operator Exam Training - Morning	D01	9:00 AM	12:00 PM	180	Flor. B.
Coffee Break - Morning Day 1	H01	10:00 AM	10:20 AM	20	Lobby
Speaker 02 - Track B	B02	10:20 AM	11:10 AM	50	Sienna
Speaker 02 - Track C	C02	10:20 AM	11:10 AM	50	Tuscany
Speaker 03 - Track B	B03	11:10 AM	12:00 PM	50	Sienna
Speaker 03 - Track C	C03	11:10 AM	12:00 PM	50	Tuscany
Plated Lunch and Awards Ceremony	H02	12:00 PM	1:30 PM	90	External
Operator Exam Training - Afternoon	D02	1:30 PM	4:00 PM	150	Flor. B.
Speaker 04 - Track B	B04	1:30 PM	2:20 PM	50	Sienna
Speaker 04 - Track C	C04	1:30 PM	2:20 PM	50	Tuscany
Speaker 05 - Track B	B05	2:20 PM	2:45 PM	25	Sienna
Speaker 05 - Track C	C05	2:20 PM	2:45 PM	25	Tuscany
Coffee Break - Afternoon Day 1	H03	2:45 PM	3:05 PM	20	Lobby
Speaker 06 - Track B	B06	3:05 PM	4:00 PM	55	Sienna
Speaker 06 - Track C	C06	3:05 PM	4:00 PM	55	Tuscany
Icebreaker Reception	G03	5:00 PM	7:00 PM	120	External

**2022 NWEA Conference  
Technical Program**



**TUESDAY 02/01/2022**

EVENT/TECHNICAL SESSION	ID	START	END	MIN	
WaterReuse Breakfast	W01	7:00 AM	8:00 AM	60	Flor. B.
Breakfast Bar - Day 2	H09	7:30 AM	8:30 AM	60	Lobby
Woman in Water Breakfast	H04	7:30 AM	8:30 AM	60	Firenza
Water Reuse Symposium	W02	8:00 AM	12:00 PM	240	Flor. A.
Speaker 07 - Track B	B07	9:00 AM	10:00 AM	60	Sienna
Speaker 07 - Track C	C07	9:00 AM	10:00 AM	60	Tuscany
Coffee Break - Morning Day 2	H05	10:00 AM	10:20 AM	20	Lobby
Speaker 08 - Track B	B08	10:20 AM	11:10 AM	50	Sienna
Speaker 08 - Track C	C08	10:20 AM	11:10 AM	50	Tuscany
Speaker 09 - Track B	B09	11:10 AM	12:00 PM	50	Sienna
Speaker 09 - Track C	C09	11:10 AM	12:00 PM	50	Tuscany
Water Reuse Symposium Luncheon	W03	11:30 AM	1:00 PM	90	Flor. B.
Vendor & Attendee Lunch and Learn	H06	12:00 PM	1:30 PM	90	Flor. C-E
Speaker 10 - Track B	B10	1:30 PM	2:20 PM	50	Sienna
Speaker 10 - Track C	C10	1:30 PM	2:20 PM	50	Tuscany
Speaker 11 - Track B	B11	2:20 PM	2:45 PM	25	Sienna
Speaker 11 - Track C	C11	2:20 PM	2:45 PM	25	Tuscany
Coffee Break - Afternoon Day 2	H07	2:45 PM	3:05 PM	20	Lobby
Speaker 12 - Track B	B12	3:05 PM	3:55 PM	50	Sienna
Speaker 12 - Track C	C12	3:05 PM	3:55 PM	50	Tuscany

## INVITED SPEAKERS

ID	START	END	SPEAKER	TOPIC
<b>MONDAY, JAN 31</b>				
S01	8:30 AM	9:00 AM	Diego Rosso	WEF Update, Conference General Opening Session (shared by all attendees)
B01	9:00 AM	10:00 AM	David E. James	Demonstration Case Study and Guidance Manual for IPR-SWA in an Alpine Reservoir
C01	9:00 AM	10:00 AM	Edwin Oh & Lin Li	COVID-19 Surveillance in Wastewater and Detection of Variations
D01	9:00 AM	12:00 PM	Jennifer Diamond	Operator Exam Training: Math
B02	10:20 AM	11:10 AM	Raj Chavan	Predictive Controls and Machine Learning: Future of Nutrient Removal Optimization in WRRFs
C02	10:20 AM	11:10 AM	Brittany Radke	A Progressive Design Approach for the City of Buckeye
B03	11:10 AM	12:00 PM	Ralph Stevens	Commissioning equipment and build your assets at the same time
C03	11:10 AM	12:00 PM	Steven Jarvis	A Case Study on Maintenance of Plant Operation (MOPO) Planning and Execution
D02	1:30 PM	4:00 PM	TBA	Operator Exam Training: Process
B04	1:30 PM	2:20 PM	Eric Roundy	Using Kenaf to Achieve Winter Nitrification
C04	1:30 PM	2:20 PM	Sabrina Rivera	Condition Assessment Fundamentals
B05	2:20 PM	2:45 PM	George Kajjumba	Treatment of Side Streams in Wastewater Treatment Plants
C05	2:20 PM	2:45 PM	Kyle Foss	Using the Multi Criteria Analysis Methodology for Better Decision Making
B06	3:05 PM	4:00 PM	Krishna Pagilla	Process Intensification and Densification Panel Discussion
C06	3:05 PM	4:00 PM	Mary Mach and Dr. Watts	Garver's Lake Thunderbird Oklahoma Water Reuse Pilot
G03	4:30 PM	5:30 PM	Nikita Lingenfelter	Diversity, Equity, and Inclusion (DEI): Implementing Best Practices Within Our Own Organizations, Roundtable
<b>TUESDAY, FEB 01</b>				
B07	9:00 AM	10:00 AM	Casey Mentzer	Dewatering Changes and Odor Control Implications at TMWRF
C07	9:00 AM	10:00 AM	Dominic Gagnon	High Speed Turbo Blowers Today and Beyond
B08	10:20 AM	11:10 AM	Judy Kareck	Digital Transformation of Water and Wastewater
C08	10:20 AM	11:10 AM	Robert Domkowski	Post-COVID-19 Modern Trash Loading Proves Sewage Pump Clog Resistance Can Not Be Predicted ...
B09	11:10 AM	12:00 PM	Mauritz Botha	Your Crystal Ball – How Cloud-Based SCADA Allows Operators To See The Future – And Avoid Problems
C09	11:10 AM	12:00 PM	Jay Boyd	Measuring I/I Means More Than Scratching the Surface in Collection Systems
B10	1:30 PM	2:20 PM	Alex Franchi	PFAS Management in One Water
C10	1:30 PM	2:20 PM	Dylan Carey	Disinfection Byproduct Formation in Water Use and Reuse Applications
B11	2:20 PM	2:45 PM	NWEA / NDEP	Certification Program Updates: What Operators Need to Know
C11	2:20 PM	2:45 PM	Meena Ejjada	Implications of Homelessness on Water Quality – Disinfection Byproduct Formation Potential
B12	3:05 PM	3:55 PM	Lior S. & Kathryn D.	Comprehensive Overview: Types of Permits and Types of Activities Requiring a Permit from the NDEP, BWPC
C12	3:05 PM	3:55 PM	Rick Warner & Mary Mach	WaterReuse Roundtable