Tuesday, August 29

Opening Session Salon 3

8:00 - 8:30 am	President's Welcome and Awards
	Nick Burns, Black & Veatch
8:30 - 9: 45 am	Keynote: Science Not Communicated is Science Not Done
	Melissa Marshall, Present Your Science
9:45 - 10:30 am	Break, Salon 2

Session I (Concurrent): Ozone Innovations

Pavilion I | Moderator: Eric Wert, Southern Nevada Water Authority

10:30 - 11:00 am	PFAS Treatment of Complex Wastewaters with Foam Fractionation
	Utilizing Air and Ozone Gasses
	Baxter Miatke, Arcadis U.S.
11:00 - 11:30 am	Part 1: Nano Bubble Ozone Technology (NBOT): Using Nanobubbles to
	Harness the Oxidizing Power of Ozone, Hydroxy Radicals and Peroxides in
	Water Mitigation/Remediation Processes
	Peter Moeller, NOAA/NOS
11:30 - 12:00 pm	Part 2: Nano Bubble Ozone Technology (NBOT): Open Water and
	Mesocosm Trials Demonstrating Effectiveness, Utility and Scalability of the
	Technology
	Peter Moeller, NOAA/NOS
12:00 - 1:30 pm	Lunch, Salon 2

Session 2 (Concurrent): Regional Drinking Water Applications Salon 3 / Moderator: Bob Hulsey, Black & Veatch

10:30 - 11:00 am	WaterOne Ozone System Design and Operational Summary
	Hanley Barker, WaterOne
11:00 - 11:30 am	Sidestream Injection Increases Ozonation Flexibility and Efficiency at
	WaterOne
	Thomas Steinke, Mazzei Injector Company, LLC
11:30 - 12:00 pm	Lessons Learned: 40+ Years of Operational Experience With Ozone
	Disinfection at the Springfield, Missouri Wastewater Treatment Plant
	Brian Wirth, City of Springfield Missouri
12:00 - 1:30 pm	Lunch, Salon 2

Tuesday, August 29

Session 3 (Concurrent): New Ozone Installations

Pavilion I | Moderator: Ben Kuhnel, Stantec

1:30 - 2:00 pm	Equipment and Subsystem Testing on Houston's First Drinking Water Ozone
	Disinfection System
	Lander Kennedy, CDM Smith
2:00 - 2:30 pm	Optimizing Ozone-BAF performance at Loudoun Water Using Novel
	Bioindicators
	Ramola Vaidya, HDR
2:30 - 3:00 pm	Placement is Everything: Addressing Water Quality and Design Flexibility by
	Implementing Pre-ozone at a Surface Water Treatment Plant in Utah
	Erik Rosenfeldt, Hazen and Sawyer, P.C.

Session 4 (Concurrent): Present Your Science Workshop Salon 3/Moderator: Melissa Marshall, Present Your Science

1:30 - 3:00 pm

Looking for improved and practical slide design strategies that go way beyond killing your audience's interest with bullet point after bullet point? This workshop takes a deep dive into the world of slide design and challenges the status quo of boring, text heavy slides with innovative, research-based strategies for more effective and engaging visual aids.

Tuesday, August 29

Roundtable Discussions

Salon 2 | Moderator: Benjamin Finnegan, CDM Smith

3:00 - 4:00 pm Aquatic Habitat Disinfection and Treatment

Austin Calpin, Kansas City Zoo

Ozone Policy and Regulations

Nick Burns, Black & Veatch

Ozone System Operations and Maintenance

Bill Mundy, City of Kenora Ozone in the Wine Industry

Jim Lauria, Mazzei Injector Company, LLC

Rookie Ozone Professionals, Enthusiasts, and Students Committee

Gabe Trejo, Arcadis

4:00 - 5:00 pm Ambient Ozone Safety in Treatment and Industrial Settings

Michael McKie, C3 Water, a C3 Group Company

Batch Ozone Systems

Eric Wert, Southern Nevada Water Authority

Biologic Aspects of Ozone in Dentistry

Phil Mollica, American College of Integrative Medicine and Dentistry

Ozone for Micropollutant Removal

Renato Falcao Dantas, University of Campinas

"You Asked for It"
Open Table, IOA

4:00 - 6:00 pm Networking Reception, Salon 2

Poster Presentations

Salon 2

3:00 - 4:00 pm	Virucidal Efficacy of Gaseous Ozone Against Type 1 Herpes Simplex Virus
	(HSV-1)
	James Blaxland, Cardiff Metropolitan University
	A Review Summarizing the Use and Potential Applications of Ozone Within
	the Food Industry
	Weyna Xue, Cardiff Metropolitan University

4:00 - 6:00 pm Networking Reception, *Salon 2*

Wednesday, August 30

Session 5 (Concurrent): Water Reuse

Salon 3 | Moderator: Denise Funk, Brown and Caldwell, and Nick Burns, Black & Veatch

8:15 - 8:45 am	Ozone and WateReuse Association
	Patricia Sinicropi, WateReuse Association
8:45 - 9:15 am	Using Ozone for Advanced Water Treatment in Anne Arundel County
	Maryland's Managed Aquifer Recharge Program
	Ramola Vaidya, HDR
9:15 - 9:45 am	Evaluating the Impacts of Bromate Minimization Strategies (Chloramine,
	Peroxide Addition) on Disinfection During Ozone Treatment for Potable
	Reuse
	Eric Wert, Southern Nevada Water Authority
9:45 - 10:30 am	Break, Salon 2
10:30 - 11:00 am	A Comparison of RO-based, NF-based, and Non-membrane-based (O3-
	BAC-GAC) Treatment Trains for Potable Reuse
	Hannah Ray, Southern Nevada Water Authority
11:00 - 11:30 am	Evaluation of Alternative Ozone Disinfection Frameworks in Low Ozone
	Exposure Conditions
	Samantha Hogard, Virginia Tech-Hamptons Roads Sanitation District
11:30 - 12:00 pm	Towards New Virus Log Reduction Frameworks for Sub-residual Ozone
	Treatment
	Delaney Snead, University of Michigan
12:00 - 1:30 pm	Lunch, Salon 2

Wednesday, August 30

Session 6 (Concurrent): Drinking Water Applications

Pavilion I | Moderator: Michael McKie, C3 Water, a C3 Group Company, and Aswathi Pradeep, Black & Veatch

8:15 - 8:45 am	Estimating Ozone-BAF DBP Reduction Using a Validated TOC Reduction Model Paired with Site-specific DBP Data
	Josh Fuchs, The Ohio State University
8:45 - 9:15 am	Pilot-Scale Study of Temperature Effects on Ozonation and Bromate
	Control to Support Drinking Water Full-Scale Design
	Bilal Abada, Southern Nevada Water Authority
9:15 - 9:45 am	Cryptosporidium Inactivation with Ozone Using Six Different CT
	Calculation Methods: Implications on Ozone System Design and Operation
	Christine Ngan Love, CDM Smith
9:45 - 10:30 am	Break, Salon 2
10:30 - 11:00 am	Enhance the Removal of Taste and Odor Compounds with Partial
	Ozone/Hydrogen Peroxide Advanced Oxidation
	Shih-Chi Weng, Gwinnett County DWR
11:00 - 11:30 am	Piloting Ozone and Biofiltration to Tackle Taste & Odor Issues for
	Maryville, MO
	Aaron Robison, HDR
11:30 - 12:00 pm	Winning the Battle Against 1,4-Dioxane with Ozone Advanced Oxidation
	Denise Funk, Brown and Caldwell
12:00 - 1:30 pm	Lunch, Salon 2

Wednesday, August 30

Session 7 (Concurrent): Ozone Design

Salon 3 | Moderator: Christine Ngan Love, CDM Smith

1:30 - 2:00 pm	Pushing the Envelope on Turndown - Making 100:1 a Reality!
2:00 - 2:30 pm	Aswathi Pradeep, Black & Veatch Preparing for Wildfires in the Colorado Front Range – City of Westminster
•	Case Study
	Carl Lundin, CDM Smith
2:30 - 3:00 pm	When Ozone Gets Out (of Solution): Examining Best-Practices for Managing
	Ambient Ozone in Water Treatment Facilities
	Michael McKie, C3 Water, a C3 Group Company
3:00 - 3:30 pm	Break, Salon 2

Session 8 (Concurrent): Ozone Innovation Pavilion 1/Moderator: Bill Mundy, City of Kenora

1:30 - 2:00 pm	Disinfection of Listeria Monocytogenes from Food Contact Surfaces Using
	Gaseous Ozone
	James Blaxland, Cardiff Metropolitan University
2:00 - 2:30 pm	Ozone Air Purifier to Mitigate Avian Flu & Reduce Ammonia
	Michael Duggan, CerroZone
2:30 - 3:00 pm	Reducing Industrial Wastewater Toxicity by Ozonation – Case History
	Alex Bettinardi, De Nora Water Technologies
3:00 - 3:30 pm	Break, Salon 2

Wednesday, August 30

Session 9 (Concurrent): Ozone Application

Pavilion 1/Moderator: Benjamin Finnegan, CDM Smith

3:30 - 4:00 pm	Review of Ozone in Cooling Water Treatment
	Anthony Sacco, Spartan Environmental Technologies, LLC
4:00 - 4:30 pm	Virtual Witness Testing: A Relic of the COVID Era or Here to Stay
	Daniel Bond, CDM Smith
4:30 - 5:00 pm	Heterogeneous Advanced Oxidation of Antibiotic Drugs and Disinfection of
	Municipal Wastewater over Iron Oxychloride based Heterostructures
	Gcina Mamba, University of South Africa
5:00 - 7:00 pm	Conference Reception, Rooftop Bar

Session 10 (Concurrent): Bromate

Salon 3 | Moderator: Keisuke Ikehata, Texas State University

3:30 - 4:00 pm	Bromate Mitigation and Downstream Biofiltration Impacts in Potable Reuse
	Aarthi Mohan, Southern Nevada Water Authority
4:00 - 4:30 pm	Online Monitoring of Bromate Formation at a Pilot-scale Advanced Water
	Purification System for Potable Reuse Using Ozone
	Keisuke Ikehata, Texas State University
4:30 - 5:00 pm	Case Studies Make a Strong Case for Ozone Sidestream Injection
	Jim Lauria, Mazzei Injector Company, LLC
5:00 - 7:00 pm	Conference Reception, Rooftop Bar