



AMTA/SWMOA Technology Transfer Workshop

MBR and RO in the Southwest



Albuquerque,
New Mexico
May 2-4, 2023

Thank You Major Sponsors!



Avista™



Aqua
Membranes



PRINTED SPACER TECHNOLOGY®



Tuesday, May 2, 2023

3:00—5:00 Exhibitor Set-Up

3:00—5:00 Early Registration

Wednesday, May 3, 2023

8:15-8:30 Introductions and Opening Remarks
John Tonner, American Membrane Technology Association

SESSION 1: MEMBRANE BASICS, OVERVIEW AND REGULATIONS

Moderator: *Jill Miller, City of Bozeman*

Time: 8:30 am - 12:00 pm

8:30 AM Introduction to Membrane Treatment

Alex Wesner, SPI

9:00 AM Membrane Definitions, Calculations and Math for Operators

Karla Kinser, Kinser Membrane Solutions

9:30 AM Regulations and Permitting for Reuse of Domestic, Industrial and Non-Traditional Water and Wastewater

Jason Herman, New Mexico Environment Department of ground Water Quality Bureau

10:00 AM Networking Break

10:30 AM The Evolution of MBR Systems in North America

Anthony Zamarro, CDM Smith

11:00 AM Flexible MBR Design

Michael Gisclair, H2O Innovation

11:30 AM MBR for Potable Reuse

Jordan Ward, Veolia Water Technologies & Solutions

12:00 PM LUNCH

SESSION 2: FACILITY TOUR

Moderator: *Jason Diamond, Veolia Water Technologies & Solutions*

Time: 1:00 - 5:00 pm

1:10 PM Load Bus

1:20 PM Travel to Rio Rancho Cabezon Wastewater Treatment Plant

1:50 PM Tour Rio Rancho Cabezon Wastewater Treatment Plant

2:40 PM Travel to AWTF Injection Site

2:50 PM Tour AWTF Injection Site

3:15 PM Load Bus and travel to Aqua Membranes

3:45 PM Tour Aqua Membranes

4:45 PM Load Bus and head back to Hotel

5:00 PM Arrive Back at Hotel

5:00—7:00 NETWORKING RECEPTION

Thursday, May 4, 2023

SESSION 3: MBR Operations Lessons Learned

Moderator: *Greg Wetterau, CDM Smith*

Time: 8:30 - 10:00 am

8:30 AM Lessons Learned From Design and Operation of Membrane Bioreactor (MBR) Facilities

Sara Arabi, Stantec

9:00 AM Membrane Bioreactor (MBR) Troubleshooting

Nagham Najeeb, Toray Membrane USA, Inc.

9:30 AM The Good, the Bad and the Ugly: Breathing New Life Into MBRs

Dennis Livingston, MMBR Systems

Troy Hotchkiss, IWS

Todd Brunetti, IWS

10:00 AM NETWORKING BREAK

SESSION 4: POTABLE REUSE LESSONS LEARNED

MODERATOR: *Stuart Leak, Avista Technologies, Inc.*

TIME: 10:30 am - 12:00 pm

10:30 AM Cloudcroft PReWater Project—The Real Story and Path Forward for New Mexico's First Direct Potable Reuse Project

Robert Fowlie, CDM Smith

11:00 AM El Paso Water—Reuse and Desalination

Angel Bustamante, El Paso Water

11:30 AM Membrane Integrity Monitoring for Water Reuse

Christopher Morrow, DuPont Water Solutions

12:00 PM LUNCH

SESSION 5: RO and/or High Recovery RO

MODERATOR: *Darrell Byrer, American Water Chemicals*

TIME: 1:00—3:00 pm

1:00 PM The Maelstrom of Microplastics and Membrane Mitigation

Brent Alspach, Arcadis

1:30 PM Desalination and PFAS Removal Research at the Brackish Groundwater National Desalination Research Facility (BGNDRF)

Malynda Cappelle, US Bureau of Reclamation

2:00 PM Things That Happen to Membranes: An Operators Perspective

Stuart Leak, Avista Technologies, Inc.

2:30 PM 3D-Printed Feed Spacer in the Wild

Kevin Roderick, AQUA Membranes

3:00 PM Workshop Wrap-Up

Karla Kinser

4:00 - 7:00 AMTA Board of Directors Meeting

TABLE TOP EXHIBITS

Table top Exhibits are \$750

ALL EXHIBIT SPACES WILL BE SELECTED ON-SITE ON A FIRST COME/FIRST SERVED BASIS

Table Top Exhibitors Receive:

- One 6-foot table (chairs are available upon request)
- Electricity is available from the hotel for an additional fee
- One full attendee registration to the workshop
- List of attendees sent via email two weeks before and after the event

SPONSORSHIP OPPORTUNITIES

Our objective is to provide education to members and others based on current and evolving water treatment needs, issues and advancements in membrane technologies. Sponsorship of the technology transfer workshop program makes it possible for the industry to deliver information and experiences. Please consider sponsoring this workshop.

Visit - [Sponsorship Opportunities \(amtaorg.com\)](http://amtaorg.com)

Sponsor Benefits:

- List of attendees sent via email two weeks before and after event
- Acknowledgement on the website and brochure
- Recognition as sponsor at workshop
- Company promotional item giveaway (if desired)

HOTEL INFORMATION:

Embassy Suites by Hilton Albuquerque

100 Woodward PI NE

Albuquerque, NM 87102

Cancellation and Refund Policy:

Written cancellation requests received by AMTA on or before **Friday, April 21, 2023** will receive a refund, less a \$50 processing fee. No refunds and no credits for future events will be granted if requested after **Friday, April 21, 2023** (unless AMTA cancels the event). However, substitutions may be made at any time. AMTA reserves the right to make changes in programs and speakers, or to cancel programs when conditions beyond its control prevail. Every If a program is not held, AMTA's liability is limited to the refund of the program fee only.

REGISTER NOW!