



SWMOA - MOC-I: Membrane Operators Certification Introduction to Membrane Systems

*Space limited to 30 attendees

March 5-7, 2019

21 Contact Hours/PDHs - Approved

Oceanside Library Community Rooms

300 N. Coast Highway, Oceanside, CA 92054

Day 1 - Tuesday - March 5th

- 7:30 - 7:45 **Check-In & Continental Breakfast**
- 7:45 - 8:00 **Welcome & Introduction**
- Moderator** **Gabriela Handley, Separation Processes, Inc.**
- 8:00 - 10:00 **Chapter 1 - Introduction to Membrane Processes**
Gabriela Handley, Separation Processes, Inc.
- 10:00 - 10:15 **Break**
- 10:15 - 12:00 **Chapter 2 - R/O Membrane Processes**
Megan Lee, Avista Technologies, Inc.
- 12:00 - 1:00 **Lunch**
- 1:00 - 2:30 **Chapter 3 - MF and UF Membrane Processes**
Dave Smith, Olivenhain Municipal Water District
- 2:30 - 2:45 **Break**
- 2:45 - 4:30 **Chapter 4 - Water Supply**
Alex Wesner, Separation Processes, Inc.

Day 2 - Wednesday - March 6th

- Drive to Mission Basin GWPF directly to start the day**
- Tour address: 215 Fireside Drive, Oceanside, CA 92058**
- Moderator** **Justin Brazil, Sweetwater Authority**
- 8:00 - 9:00 **Plant Tour: Mission Basin GWPF**
Ronald Lutge, City of Oceanside, Water Utilities
- 9:00 - 9:30 **Drive from Tour to Training Rooms & Break**
- 9:30 - 11:30 **Chapter 5 - Water Chemistry & Chemical Dosing**
Naghm Najeeb, Avista Technologies, Inc.
- 11:30 - 12:15 **Lunch**
- 12:15 - 2:15 **Chapter 6 - Membrane Math**
John Perlman, Separation Processes, Inc.
- 2:15 - 2:30 **Break**
- 2:30 - 4:30 **Chapter 7 - Post Treatment**
Justin Brazil, Sweetwater Authority

Day 3 - Thursday - March 7th

- Moderator** **Nathan Boyle, Hazen and Sawyer**
- 8:00 - 10:00 **Chapter 8 - Equipment Used in Membrane Processes**
Gabriel Zink, MISCOWater Southwest
- 10:00 - 10:15 **Break**
- 10:15 - 11:45 **Chapter 9 - Instrumentation and Controls**
Chris Schleich, Enterprise Automation (EA)
Zack Gentry, Enterprise Automation (EA)
- 11:45 - 12:15 **Chapter 10 - Safety**
Ronald Lutge, City of Oceanside, Water Utilities
- 12:15 - 12:45 **Lunch**
- 12:45 - 2:00 **Course Summary, Review and Evaluation**
Nathan Boyle, Hazen and Sawyer
- 2:00 - 2:45 **Final Exam**

Thanks to Sponsors: Major



Creative Chemistry. Smart Solutions.

Lunch

Enterprise Automation

Break

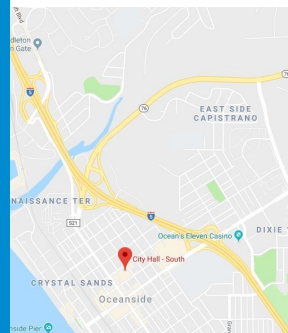
Separation Processes, Inc.

Thanks to Host Facility:

Mission Basin Groundwater Purification Facility



If Lost, contact 760-435-4500



Directions to Oceanside Library Community Rooms:

From San Diego Airport

Take Harbor Drive East to I-5 North for 35 mi., Exit Mission Ave. westbound & make a right turn onto Coast Hwy, Make another right turn onto Civic Center Dr. & follow to parking structure entrance.

From John Wayne Airport

Take 405 South to I-5 South, Exit Coast Hwy & go right onto Hwy 76, Make a left turn on Coast Hwy, another Left turn onto Civic Center Dr. & follow to parking structure entrance.

Hotels in the area:

Courtyard Marriott
3501 Seagate Way
Oceanside, CA 92056
760-966-1000 (6 mi. away)

Residence Inn Marriott
3603 Ocean Ranch Blvd
Oceanside, CA 92056
760-722-9600 (6 mi. away)

Mar. 5-7, 2019 - SWMOA - MOC-I: Introduction to Membrane Systems REGISTRATION FORM

Southwest Membrane Operator Association (SWMOA)
PHONE: 888-463-0830 ♦ **EMAIL:** support@swmoa.org ♦ **WEB:** www.swmoa.org
 1035 East Vista Way, #103, Vista, CA 92084

Name: _____ Title: _____
 Company: _____
 Mailing Address: _____
 City: _____ State: _____ Zip: _____
 Phone: _____ Cell: _____
 E-mail: _____ Website: _____

- YES NO: I would like to receive email messages from SWMOA about Events, Newsletter or Activities.
 YES NO: I would like to network with SWMOA Members, Operators, Attendees, Speakers, Moderators, Exhibitors, Sponsors or Board, please share my contact information (cell phone # will not be included).

License Type: _____ Level (i.e., A, B, or C): _____ Lic.#: _____

Registration and Payment in full must be received to reserve your space: <i>(No Exceptions)</i>	Amount
SWMOA Members: (Mar. 5-7)	\$575 _____
Non-Members: (Mar. 5-7)	\$650 _____
Exam: (Mar. 7)	\$25 _____
(to be certified, exam is required and exam fee is not included with registration fee)	
Total Registration Fee	\$ _____

Non-Members - Contact SWMOA Membership if interested in joining prior to registering

The registration fee includes CEUs/PDHs, the shipment of the MOC Manual to the address listed above upon receipt of full payment. If an alternate address for shipment is requested, please provide the preferred shipping address by calling SWMOA at 888-463-0830. For payments received within five (5) business days of the school, the MOC Manual will be provided on the first day of class.

Special Needs:

Food Allergies (provide specifics)

Gluten Free

Halal Meals

Vegan Meals

Vegetarian Meals

Wheelchair Access

Other: _____

METHOD OF PAYMENT: Payable to: Southwest Membrane Operator Association
Mail to: 1035 East Vista Way #103, Vista, CA 92084-4606

Check Enclosed for \$ _____ Please Invoice Credit Card - see below

**For Security Purposes, SWMOA encourages you to use the
 Easy Online Registration. Secure Credit Card and eCheck
 Payment Processing is Now Available at:
www.swmoa.org**

Cancellations/Refunds...

Written cancellation requests received on or before **Feb. 19, 2019** will receive a refund, less a \$50 administrative processing fee upon return receipt to SWMOA office of the unaltered MOC Handbook. Without the return receipt of the unaltered MOC Handbook the cancellation fee will be \$200 (includes administrative processing fee and handbook fee). Full payment is required if cancellation is received on or after **Feb. 20, 2019** - no refunds and no credits for future events will be granted. However, substitutions may be made at any time. SWMOA reserves the right to make changes in programs and speakers, or to cancel programs when conditions beyond its control prevail. Every effort will be made to contact each enrollee if a program is cancelled. If a program is not held, SWMOA's liability is limited to the refund of the program fee only.