



**SOUTH CENTRAL
MEMBRANE
ASSOCIATION**

Membrane Plant Operator Training

MOC-I: Introduction to Membrane Systems

John Bailey, City of Sugar Land, TCEQ Qualified Instructor

Subject Matter Experts (SME) providing support
Justin Sutherland, PhD, PE, Carollo Engineers, Inc.
Darrell Byrer, American Water Chemicals, Inc.

***Space is limited to 40 attendees**

****Students must have attended a basic water class or equivalent or be working as an employee of a Water/Wastewater Public Agency, Industrial Water/Wastewater Users, or Water Suppliers to End Users (submit proof)**

TCEQ Approved Training

March 26-28, 2019

H2Oaks Center - Brackish

Groundwater Desalination Plant

4588 Hardy Road, Elmendorf, TX 78112

Day 1 - Tuesday - Mar. 26th

- 7:30 - 7:45 Registration/Check-In
7:45 - 8:00 Welcome & Introductions
8:00 - 10:00 Chapter 1 - Introduction to Membrane Processes
10:00 - 10:15 Break
10:15 - 12:15 Chapter 2 - R/O Membrane Processes
12:15 - 1:00 Lunch (included)
1:00 - 2:30 Chapter 3 - MF and UF Membrane Processes
2:30 - 2:45 Break
2:45 - 4:15 Chapter 4 - Water Supply
4:15 - 5:45 Plant Tour: H2Oaks Center - Brackish Groundwater Desalination Plant

Day 2 - Wednesday - Mar. 27th

- 8:00 - 11:00 Chapter 5 - Water Chemistry & Chemical Dosing
11:00 - 11:15 Break
11:15 - 12:15 Chapter 6 - Membrane Math
12:15 - 1:00 Lunch (included)
1:00 - 2:45 Chapter 6 - Membrane Math (cont.)
2:45 - 3:00 Break
3:00 - 5:00 Chapter 7 - Post Treatment

Day 3 - Thursday - Mar. 28th

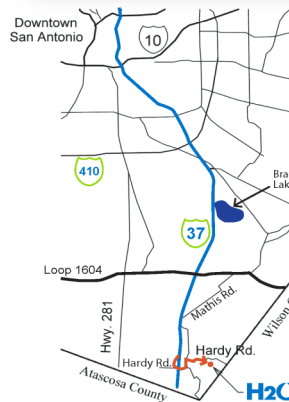
- 8:00 - 10:00 Chapter 8 - Equipment Used in Membrane Processes
10:00 - 10:15 Break
10:15 - 11:45 Chapter 9 - Instrumentation and Controls
11:45 - 12:15 Chapter 10 - Safety
12:15 - 12:45 Lunch (included)
12:45 - 2:00 Course Summary, Review and Evaluation
2:00 - 2:45 Exam

Thanks to the Sponsor:

Major



Special Thanks to Host Facility:



H2Oaks

4588 Hardy Road, Elmendorf, TX 78112
(approximately 30 minutes from downtown)

- Go south on I-37 to exit 120 (Hardy Road).
- Turn left, heading east on Hardy Road over I-37.
- Take the first left onto Mathis Road (approximately 1/2 mile).
- Take first right onto Hardy Road (approximately 1/3 mile).
- Proceed down Hardy Road past two curves, enter gate on the right (approximately 1 1/4 mile).



If lost - 210-233-3380

From San Antonio International Airport (SAT):

Exit the Airport via the US/TX-281 South ramp towards San Antonio; the road name changes to I-37 South. Stay on US/TX-281 / I-37 for 29.5 miles. Take exit 120 and turn Left on to Hardy Road. In .7 miles, turn Left on to Hardy/Mathis Road. In .5 miles, turn Right on Hardy Road. San Antonio H2Oaks Center entrance is 1.2 miles on the Right.

March 26-28, 2019

SCMA - MOC-I: INTRODUCTION TO MEMBRANE SYSTEMS REGISTRATION FORM

South Central Membrane Association (SCMA)

PHONE: 512-617-6529 EMAIL: support@scmembrane.org WEB: www.scmembrane.org
14900 Avery Ranch Blvd., Ste. C200 #300, Austin, TX 78717

Name: _____ Title: _____

Company: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Cell: _____ Fax: _____

E-mail: _____ Website: _____

YES NO Emails about SCMA/Affiliate Events, Newsletters, and/or Upcoming Activities are welcome.

YES NO Networking with other SCMA Members, Operators, Attendees, Speakers, Moderators, Sponsors, Board Members, and others interested with membranes is approved, share my contact information (cell phone # will not be shared).

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

SCMA MOC-I: (See Program Information Page): Limited to 40 Attendees

Must have attended a basic water class or equivalent or be working as an employee of a Water/Wastewater Public Agency, Industrial Water/Wastewater Users, or Water Suppliers to End Users in order to attend this course:

(Non-Licensed Operators with water class attendance who pass the Exam are not eligible to receive a Membrane Operator Certification)

Non-Members - contact SCMA to become a member prior to registering for this Training

***Registration and Payment must be received prior to event date:** (No Exceptions)

		Amount
MOC-I - SCMA Members: (Mar. 26-28)	\$375	_____
Exam: (Mar. 28)	\$25	_____

***Limited Space - Registration Reserved ONLY Upon Receipt of Payment and Availability**

The registration fee includes CEUs/PDHs, the shipment of the MOC Manual to the address listed above upon receipt of payment. If an alternate address for shipment is requested, please provide the preferred shipment address by calling SCMA at 512-617-6529. If payment is not received within five (5) business days of the school, the MOC Manual will be provided the first day of class and upon receipt of payment.

Total Registration Fee \$ _____

Special Needs:

- Food Allergies (provide specifics)
- Gluten Free
- Halal Meals
- Vegan Meals
- Vegetarian Meals
- Wheelchair Access
- Other: _____

METHOD OF PAYMENT: Payable to: South Central Membrane Association

Mail to: 14900 Avery Ranch Blvd.; Ste. C200 #300, Austin, TX 78717

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

**For Security Purposes, SCMA encourages you to use the Easy Online
Registration. Secure Credit Card and eCheck Payment Processing is Now
Available at: WWW.SCMEMBRANE.ORG**

Cancellations/Refunds...

Written cancellation requests received by the South Central Membrane Association (SCMA) at least 14 days before a scheduled event will receive a refund, less a \$50 administrative processing fee upon return receipt to SCMA office of the unaltered MOC Handbook for each Module. Without return receipt of the unaltered MOC Handbook(s) the cancellation fee will be \$200 for each Module (includes administrative processing fee and handbook fee). Full payment is required if the request is received less than 14 days of the scheduled event and no refund will be available. A substitution of the registrant may be made any time without cost up to the date of the event. The requested amount of a refund must exceed their respective administrative processing fees as described above in order to be considered. SCMA reserves the right to make changes to the scheduled event including but not limited to changing the event location, scheduled date(s), program and speakers, or to cancel the event in its entirety when conditions beyond its control prevail. If the event is cancelled, SCMA's liability is limited to providing a full refund of the fees paid toward the scheduled event.