



8:00 a.m. - 4:00 p.m. (Space limited to 65 attendees)
6.25 Contact Hours (CA Water - (Approved))

Terminal Island Water Reclamation Treatment Plant

445 Ferry Street
San Pedro, CA 90731

Reclamation Membrane Operator Training

7:30 - 8:30	Registration / Check-In
Moderator	Sam Pallares, City of Los Angeles
8:30 - 12:00	SESSION 1: Technology, Overview & Tour
8:30 - 8:45	Introduction/Welcome Mark Starr and Dave Gumaer, City of Los Angeles
8:45 - 9:15	Overview of City of Los Angeles Terminal Island Water Plant Sam Pallares, City of Los Angeles
9:15 - 9:45	History/Experience/Details About Membrane Plant Seung-Tag Oh, City of Los Angeles
9:45 - 10:15	Basic Principles of Microfiltration/Reverse Osmosis Richard Sales, City of Long Beach
10:15 - 10:30	Refreshment Break
10:30 - 11:00	Groundwater RO Pretreatment: Chemicals and Cartridge Filtrations Jessica Boynton, Ph.D., King Lee Technologies
11:00 - 11:30	Troubleshooting NF/RO Performance Sam Pallares, City of Los Angeles, and Richard Salas, City of Long Beach
11:30 - 12:00	Advanced Oxidation (AOP) using LPUV & Free Chlorine Seung-Tag Oh, City of Los Angeles
12:00 - 12:45	Lunch (included)
12:45 - 4:00	SESSION 2: Facility Tour & Hands-On Training
12:45 - 1:30	Facility Tour Sam Pallares and Dean Taylor, City of Los Angeles
1:30 - 2:00	Overview of Controls and SCADA System Sam Pallares, City of Los Angeles
2:00 - 2:30	Hollow Fiber Membrane Construction/Autopsy Sam Pallares, City of Los Angeles, and Richard Salas, City of Long Beach
2:30 - 2:45	Refreshment Break
2:45 - 3:15	Hollow Fiber Membrane Repair Sam Pallares, City of Los Angeles, and Richard Salas, City of Long Beach
3:15 - 3:45	Membrane Cleaning: Maintaining an RO Through Chemistry Jessica Boynton, Ph.D., King Lee Technologies
4:00 - 4:15	Workshop Wrap-Up Sam Pallares, City of Los Angeles

Special Thanks to Host Facility:

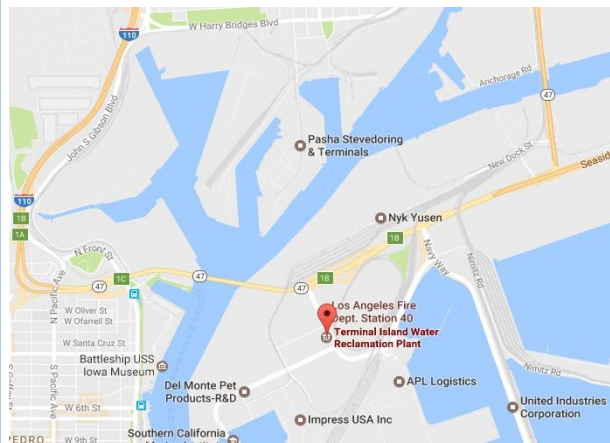


Lunch Sponsor:



Terminal Island Water Reclamation Treatment Plant

445 Ferry Street, San Pedro, CA 90731



If Lost - Ph: 310-548-7520

Directions: from Long Beach Airport:

Take I-405 N (1.3 miles).
Take I-710 S. to Pico Ave.
Take Exit 1B (8 miles). Take Seaside Freeway (.9 mile).
Continue on Seaside Fwy.
Drive to Ferry St. in Los Angeles. Take Exit 1B (3.1 miles). Continue on Ferry St.

Hotels in the area:

Sunrise Hotel San Pedro
525 S Harbor Blvd, San Pedro, CA 90731
(310) 548-1080

Crowne Plaza Los Angeles Harbor Hotel
601 S Palos Verdes St, San Pedro, CA 90731
(310) 519-8200

Best Western Plus San Pedro Hotel & Suites
111 S Gaffey St, San Pedro, CA 90731
(310) 514-1414

5/15/17 - REGISTRATION FORM

Southwest Membrane Operator Association (SWMOA)

PHONE: 888-463-0830 ♦ FAX: 772-463-0860

EMAIL: custsrv@swmoa.org ♦ WEB: www.swmoa.org
1035 East Vista Way, #103, Vista, CA 92084-4606

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

Special Needs:

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

I would like to receive email messages from SWMOA about Events or Activities: YES NO

(Attendee materials will be sent approx. 2 weeks after event, provide an email address compatible to receive and/or access Hightail messages. If other than listed above, provide here: _____)

Member of (check all that apply): SWMOA

State: _____ License Type: _____ Grade (i.e., 1, 2, 3, etc.): _____ Lic.#: _____

SWMOA - Terminal Island Water Reclamation Treatment Plant Workshop:

***Registration (includes CEUs/PDHs) and Payment must be received by event date:**

	<u>Amount</u>
Members/Affiliates (must be from the list above)	\$175 _____
Non-Members - Certified Ops (includes 1 year Div.1B SWMOA membership)	\$250 _____
Non-Members - Non-Ops-Individual (includes 1 year Div.3C SWMOA membership)	\$300 _____

(For other types of membership-please contact SWMOA for membership application)

***Limited space - available to the first 65 paid registrants**

Total Registration Fee \$ _____

Cancellations/Refunds...

Written cancellation requests received on or before **May 1, 2017** will receive a refund, less a \$50 processing fee. Full payment is required if cancellation is received on or after **May 2, 2017** - 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.

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

- Check Enclosed for \$ _____ Please Invoice

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