

SAN FRANCISCO BAY SECTION
California Water Environment Association



February 2009

**GREETINGS FROM THE
PRESIDENT...**

I hope your year is off to a great start. I am very excited about serving as your Bay Section President for 2009. This is the year for change. I am looking forward to seeing improvements on the national and international front, including an end to the economic downturn and the wars. Here at home, I would love to see positive changes to our Bay Section. That is where you can help. Your input will help the Bay Section Board of Directors determine what changes are needed so that we can serve you better. Speaking of the Board of Directors, I would like to welcome our newest Board Member. Tom Hendry of Whitley Burchett and Associates will be serving as your Second Year Director.

The January 23rd Awards and Installation Banquet was a great success. Congratulations to all of the award winners. I wish you luck at the state level. Winners will be announced at the Annual Conference. Thank you to everyone who came out to support all of the nominees. I would like to give a special thanks to the Awards Chair, Rick Chan, and the Program Chair, Polly Villarreal, and all of the other volunteers who helped to make the banquet a great success.

Printing Courtesy of Black & Veatch

Registration is open for the 2009 Annual Conference. This year's conference will be held in Palm Springs from April 28 to May 1. The CWEA website has additional information. Register early!

On Thursday, February 12, 2009, the Student Activities Committee will host its annual Student Night at Hs. Lordships in Berkeley. In response to positive feedback from both students and professionals, the "Evening with Industry" format that was debuted last year will continue this year in lieu of a traditional career fair. Please refer to the flyer in this issue for more information. Please note that Student Night is on second Thursday of the month instead of the traditional first Thursday of the month. I look forward to seeing you there.

Florence Wedington, 2009 SFBS President

Important Stuff:
Feb 4 CWEA Membranes Workshop, Fairfield (see flyer)
Feb 12 SFBS Student Night, Hs Lordships, Berkeley (see flyer)
Feb 26 CWEA Odor Control Workshop, San Ramon(see flyer)

CWEA-SFBS is Going Green!!!!
Starting on Earth Day (April 22), we will no longer be providing paper copies of the Inkspot. Please see the SFBS Website for details on how to sign up for the electronic version.

Ramblings from the Editor...

Happy New Year!!

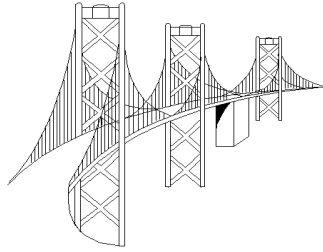
What a day today is. I am writing (most) of this on this most historic day for our great nation. Did you stay home and go in late to watch the inauguration of Barack Obama? I did. Wow!! What a crowd. Only time will tell us if President Obama can lead us out of the ditch Bush put us in. I think so, but that is my opinion.

I am sure some of you saw the most recent article from the West County Times regarding the Rodeo Sanitary District. I tried my hardest to get the reporter to not make Rodeo look so bad. All they want to do is focus on the negative. They wouldn't mention that we have established a permanent relationship with Rodeo Hardware to receive mercury thermometers in exchange for free digital ones and that this is the staging point to recycle batteries and fluorescent lamps. Did they bother to mention that we have established a new private sewer lateral condition ordinance and grant program?? I think not. What about the projects that we have done to reduce carbon emissions by thousands of tons of CO₂ per year by reducing our electrical use by 30 percent. We even reduced chemical use by almost 40 percent. Did this make it?? No. This is why we must always spread the word of our successes and not let the media focus solely on the negative side. Yes we have had violations during 2008 but that followed a one year violation free period which was the first in decades. Was this mentioned? Of course not. Well I must say that I am very proud of our accomplishments here in Rodeo. We took a disaster of a treatment plant that resembled one from a worn torn third world county and now have it producing some of the highest quality effluent in the bay area. We routinely have non-detects on TSS, CBOD and Ammonia. Was this mentioned in the news article? Gee I wonder why not...

Well anyway I hope that this is a happy, healthy and prosperous year for you!!

Hope you all have a great day!

Steve



SAN FRANCISCO BAY SECTION
California Water Environment Association

February Dinner Meeting

ANNUAL STUDENT NIGHT

Featuring: **Evening with Industry*** for Civil and Environmental Engineering Majors. In response to positive feedback from both students and professionals, we are continuing the Evening with Industry format we debuted last year, in lieu of a traditional career fair. Student Night will begin at 5:00pm with a two-hour social/mixer, giving students an opportunity to learn about local firms, agencies and their employees in an informal setting, as well as a chance to practice their networking skills. We hope that you will participate in the Evening with Industry, even if you currently have no positions to fill. Please consider this an opportunity to enhance the future well-being of our industry.

Student Speaker - TBD

Where: **Hs. Lordship's**
199 Seawall Drive
Berkeley, California

When: **Thursday, February 12, 2009**
5:00 - 7:00 Evening with Industry Social Hour/Mixer with Students*
7:00 - Dinner
8:00 - Student Speaker Presentation

Dinner: \$30.00 CWEA Members
\$45.00 Non-CWEA Members
\$15.00 Students

Choice of: Chicken Jerusalem
London Broil
Vegetable Lasagna

Contact: Email Polly Villarreal of East Bay Municipal Utility District at cweasfbs@aol.com for dinner reservations. Include your name agency or company affiliation, and menu selection. If you require special accommodations, please provide a written description of your needs.

Reservation deadline is Friday, February 6, 2009
Remember - a reservation is a commitment to pay

** There is an additional \$100 fee for companies participating in Evening with Industry. For information regarding this portion of the event, or to make a reservation, please contact Khyati Jain of CDM at JainKM@cdm.com.*

★ **HS Lordships, 199 Seawall Drive, Berkeley, CA 94710, (510) 843-2733**

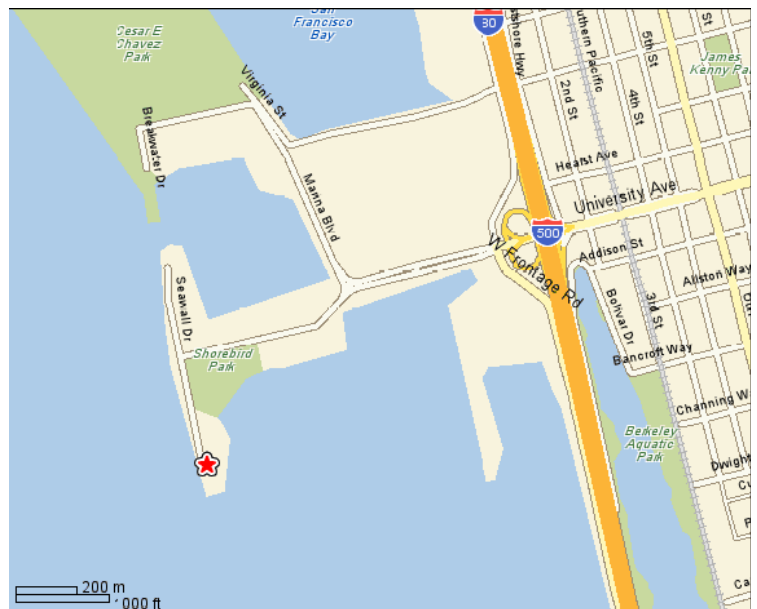
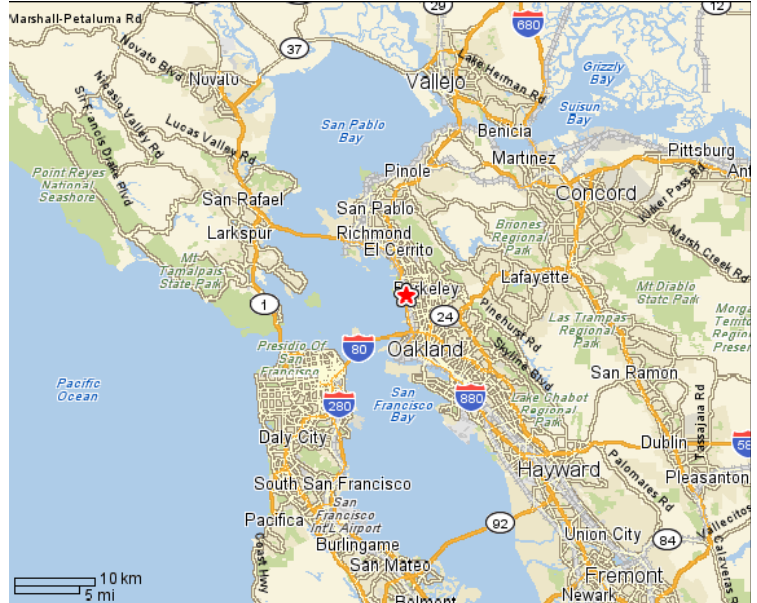
From Sacramento: Take I-80 West towards Berkeley. Exit at University Ave. and turn left onto University. Turn left on Seawall Drive. Continue on Seawall to HS Lordships.

From Walnut Creek: Take Hwy 24 to 580 East, following the signs to Berkeley/Sacramento. Exit at University Ave. Stay in the right lane and follow the signs directing you towards Fourth St. Turn right onto Hearst St. Turn right onto Sixth St. Turn right onto University Ave. Turn left on Seawall Drive. Continue on Seawall to HS Lordships.

From South Bay: Take I-80 and exit at University Ave. Stay in the right lane and follow the signs directing you towards Fourth St. Turn right onto Hearst St. Turn right onto Sixth St. Turn right onto University Ave. Turn left on Seawall Drive. Continue on Seawall to HS Lordships.

From SF: Take 101 to the Bay Bridge to I-80 (Sacramento), staying to the left. Continue on I-80 and exit at University Ave. Stay in the right lane and follow the signs directing you towards Fourth St. Turn right onto Hearst St. Turn right onto Sixth St. Turn right onto University Ave. Turn left on Seawall Drive. Continue on Seawall to HS Lordships.

Free Parking





SAN FRANCISCO BAY SECTION
California Water Environment Association

**ANNUAL STUDENT NIGHT
EVENING WITH INDUSTRY**

THURSDAY, FEBRUARY 12, 2009

5:00 p.m. to 7:00 p.m.

**HS Lordship's Restaurant
199 Seawall Dr.
Berkeley, CA 94710
(510) 843-2733**

Name of Organization: _____
Address: _____

Telephone Number: _____

<u>Name of Representative</u>	<u>Email Address</u>
_____	_____
_____	_____
_____	_____
_____	_____

(Additional names and email addresses may be provided on a separate sheet.)

RSVP's must be received by Thursday, February 5, 2009.

To make a reservation, please mail this form with a check for \$100.00* payable to SFBS-CWEA to:

**SFBS-CWEA Student Night
c/o CDM
One Walnut Creek Center
100 Pringle Avenue, Suite 300
Walnut Creek, CA 94596
Attn: Khyati Jain**

**The \$100 fee pays for Evening with Industry participation only. The cost of dinner is not included.*

Company representatives who would also like to attend the regular monthly dinner and guest speaker presentation from 7 to 9 p.m. should RSVP to Polly Villarreal of EBMUD at cweasfbs@aol.com by 4:30 p.m. on Friday, January 30, 2009. Please see the San Francisco Bay Section website (www.cwea.org/sfb) for dinner cost and menu selection.

It is highly encouraged that participating firms and agencies donate door prizes to be given away to students attending the event. Prize donations will be accepted the evening of the event. Firms and agencies will be recognized for their donations when prizes are handed out.



PLANT OPERATIONS & MAINTENANCE (O&M) COMMITTEE

Presents a

HANDS ON SEMINAR

Wednesday, March 18, 2009

8:00 – 8:30 am Registration & Coffee

8:30 am to 3:30 pm

at

Delta Diablo Sanitation District (DDSD)

Registration is \$40.00 (CWEA members) \$55 (non-members)

Lunch and Refreshments Provided

Attendance is limited to 60 participants

**E-mail (preferred) Gervaise.Christiansen@lee-ro.com
or call Gervaise Christiansen at (925) 627.3384, to register**

Note: If you are unable to attend, please cancel by March 13th, or send a substitute.

OVERVIEW: Participants will attend five 50 minute hands-on sessions during this day-long training seminar. ***A total of 5.5 contact hours are available.*** The presenters are:

- **FOSTER FLOW CONTROL AND T&T VALVE AND INSTRUMENT, INC.** – “*Valve, Valve Actuation & Controls*” We will explore the different valve options based on applications in the wastewater collection and processing industry Hands on examples and samples.
- **ALLEN BRADLEY** – “*Configuring an IntelliCENTER MCC*” O&M Personnel will learn how to use IntelliCENTER software to improve the speed and safety of MCC Maintenance. Exercises include connecting to MCC's, navigating the software, creating custom workspaces, setting parameters, setting up and capturing trend graphs, accessing and adding MCC documentation, using the event log function, using the software to locate HRG Ground Faults, and more.
- **BRANSOM INSTRUMENTS** – “*Level Control for Water and Wastewater Applications*” Hands on demonstration and presentation on using ultrasonic, radar, pressure and other instrument devices for level control applications.
- **ABS Pumps** – “*How Pumps Work from the Experts*” Participants will explore what's on the inside.
- **TIMKEN BEARINGS** – “*Bearings: Applications and Maintenance*” The focus will be on general bearing maintenance, including installation, handling, lubrication and damage analysis.
- **ACTIFLOW** – Actiflow will present an on-going side-bar presentation during the day.

DIRECTIONS: DDSD is located at 2500 Pittsburg-Antioch Highway in Antioch, just North of Highway 4 on the Pittsburg-Antioch Highway, between Loveridge and Somersville Roads. The Plant Operations Center is located on the left side of the road. Phone: 925-756-1900

Training Description:

This conference will present an overview of membrane treatment in wastewater treatment and how membrane technology has evolved over the years to help wastewater professionals in meeting more stringent treatment standards. The conference will cover design and operations of a Membrane Bioreactor (MBR), different methods of membrane procurement and how to treat wet weather flows in MBR. Conference attendees will also learn about MBR's capability in removing emerging contaminants that are of growing concerns. In addition to MBR, the conference will discuss performance evaluation of membranes for advanced water reuse and new generation of ceramic membrane in wastewater treatment.

Specifically designed for managers, engineers, and technical staff involved in planning, design and operation of wastewater treatment facilities, this conference will help you to stay current with their knowledge of membrane technology in preparation to meet future more stringent treatment requirements.

Key Learning Points:

- ◇ Overview of Membranes
- ◇ MBRs – Design, Operation, Procurement and Wet Weather Flow Management
- ◇ Membranes and Emerging Contaminants and Water Reuse
- ◇ New Generation of Membranes

Location Information:

Hilton Garden Inn Fairfield

2200 Gateway Court

Fairfield, CA 94533

Phone: (707) 426-6900

CWFEA and its Board, members and volunteers are not responsible for the actions of speakers or the contents of their papers, and no endorsement is implied or given of any persons or their philosophies, ideas or statements; nor of any products or processes; nor of any organizations or companies who volunteer to serve as speakers at the conference or exhibitors who purchase display space in the exhibit.



California
Water
Environment
Association

7677 Oakport Street, Suite #600
Oakland, CA 94621

CWEA SPECIALITY
CONFERENCE FOR
COLLECTION SYSTEMS

Membranes in Wastewater Treatment

Wednesday, February 4, 2009
Fairfield, California



Brought to you with the support of
the Redwood Empire Section

Non Profit Organization
U.S. Postage PAID
Oakland, CA
Permit # 1483

Speaker's biography information:

Marie-Laure Pellegrin, HDR Engineering

Marie-Laure Pellegrin, Ph.D., is HDR MBR Practice Leader and is responsible for developing and evaluating MBR technology performance for HDR water/wastewater clients across the nation, which includes assessing treatment deficiencies, developing process alternatives and designing pilot and full-scale systems. She is also involved in computer modeling of the biological systems that are used to design MBR systems. Marie-Laure holds a doctorate degree in environmental engineering from the University of Montpellier in France. She also holds a postgraduate degree with specializations in the mechanics of materials, structures, and chemical engineering, from the same university.

George Crawford, CH2MHill

George Crawford is Technology Fellow for Wastewater Treatment for CH2M HILL, where he has worked for 30 years specializing in the areas of wastewater treatment process development, application of new technologies, and facility design. George has been involved in the design of over 20 MBRs, ranging in size from 0.25 mgd to 39 mgd, and has been active in the MBR field, including conducting research for WERF, presenting frequently at WEFTEC, WEF MBR Webcasts and Preconference Workshops, as the MBR chapter author for the recently published WEF text "Membrane Systems for Wastewater Treatment", and as Vice-Chair of the WEF Membranes Community of Practice.

Graham Juby, Carollo Engineers

Graham Juby has 24 years experience in testing, evaluating and designing advanced treatment technologies for water and wastewater treatment applications, including both low and high-pressure membrane systems. He obtained his bachelors degree in chemical engineering from the University of Cape Town, South Africa, and his Ph.D. in water utilization engineering from the University of Pretoria, South Africa. He is a Partner with Carollo Engineers, and is a member of AWWA and WEF. He is a registered Civil Engineer in California.

R. Shane Trussell, Trussell Technologies, Inc.

Shane has 11 years of experience with a strong focus on membrane separations as they apply to water and wastewater treatment. Since his first MBR project in 1999, Shane has been actively involved in the development and research that has resulted in our current understanding and application of the MBR process. Shane is currently part of a design/build/operate team for a 3.4 MGD MBR that will be the largest MBR in North America to incorporate Koch Membrane System's PURON™ equipment. Shane is a Principal at Trussell Technologies, Inc., a small engineering firm that is focused on water quality and intelligent treatment process design.

Andrew Salveson, Carollo Engineers

Mr. Salveson oversees various reclaimed water/advanced wastewater treatment and disinfection designs within Carollo's Process Group. Mr. Salveson is the PI or co-PI for various water and wastewater treatment research and certification projects, including ozone, UV, chlorine, PAA, membranes, titanium dioxide/UV, pasteurization, non-thermal plasma, and small-scale wastewater treatment. Mr. Salveson was named the 2007 Water Reuse Person of the Year.

Event Schedule:

8:00 – 8:10 a.m.	Welcome and Opening Remarks
8:10 – 9:00 a.m.	Membrane Treatment - Evolving Technology and Regulatory Drivers Speaker: Marie-Laure Pellegrin, HDR Engineering
9:05 - 9:55 a.m.	Membrane Bioreactor Operations and Design Speaker: George Crawford, CH2MHill
10:00 – 10:50 a.m.	Sole Sourcing, Pre-Purchasing and Methods of Membrane Procurement Speaker: Graham Juby, Carollo Engineers
10:55 – 11:45 a.m.	Treating Wet Weather Flows in a Membrane Bioreactor Speaker: R. Shane Trussell, Trussell Technologies, Inc.
11:45 – 1:00 pm	Lunch (Provided)
1:00 – 1:50 p.m.	Membranes and Emerging Contaminants Speaker: Andrew Salveson, Carollo Engineers
2:00 – 2:50 p.m.	Performance Evaluation of Advanced Water Treatment for Water Reuse Speaker: Zakir Hirani, MWH Americas, Inc.
3:00 – 3:50 p.m.	New Generation Ceramic Membranes on Wastewater Secondary Effluent. Speaker: Li Liu, MWH Americas, Inc.

Zakir Hirani, MWH Americas, Inc.

Zakir Hirani is a Senior Engineer with the Applied Research Department of MWH. During his last four years with MWH, he was involved in several wastewater treatment and water reclamation projects using membrane technologies and advanced oxidation. This includes City of San Diego's Water Reuse pilot study consisting of UF-RO-UV process chain and a USBR project assessing the performance of newly developed MBR systems for water reclamation in San Diego, CA. He is currently involved in Water Reuse Foundation's research study investigating MBR technology and effluent water quality. He is also involved in MBR pilot testing program at Inland Empire Utilities Agency in Chino, CA. Zakir holds a Bachelors degree in Civil Engineering from M.S. University, India and a Masters degree in Environmental Engineering from University of Southern California.

Li Liu, MWH Americas, Inc.

Ms. Liu received her Bachelor of Science degree in Environmental Engineering with highest honor from Tsinghua University, Beijing, China in 2004. She continued her education at the University of Illinois at Urbana - Champaign, where she worked as a graduate research assistant investigating membrane fouling and completed her Master of Science degree in 2006. She was the recipient of 2005 Esmylla Writing Award for Best Technical Paper within the Environmental Engineering and Science Program. Since 2006, Li has worked for MWH's National Technology Group in Pasadena, California. Her project experiences include water quality and treatability studies, membrane piloting, and innovative techniques development for membrane fouling control and residual management. Li is also a registered civil engineer in the State of California.

Registration for Membranes in Wastewater Treatment

First Name _____ Last Name _____ Name for Badge _____

Agency/Company _____

Address _____

City _____

State _____

Zip Code _____

Email Address _____

Phone _____

Fax Number _____

Emergency Contact _____

Phone _____

Member CWEA, WEF or CA-NV AWWA Mbr # _____
(Current membership required for member rates)

Special Services: Please check here if you require special accommodations to fully participate. Please attach a note about what you require.

Register for:	Regular Rate	Member Discounted Rate
<input type="checkbox"/> Wed. 2/4/09, Fairfield	\$206	\$140

Total Fee: _____

Method of Payment:

Check: Payable to CWEA Membrane Filtration 2009

Purchase Order—Must be attached to registration form

Visa Mastercard American Express Discover

Credit card #: _____

Expiration Date: _____

Name on the card (please print): _____

Signature: _____

If more than one person from your agency will attend, please photocopy and submit one form for each person.

Written cancellation notice is required, and must be received at least 15 days prior to the conference date. A 25% service fee shall be retained on all cancellations. No refunds shall be given for cancellations made less than 15 days prior to any conference.

All fees for conference registration shall be paid in full at the time of pre-registration or on-site registration. Full payment may be made by credit card, personal check or company/agency check. Purchase orders are acceptable and must be attached to the registration form. Registrations received by CVEA without full payment or purchase order will not be processed. Pre-registration deadline is 48 hours prior to each scheduled event.

CREDIT CARD PAYMENTS MAY BE MAILED TO THE ADDRESS BELOW OR FAXED TO (510) 382-7810



California Water Environment Association
7677 Oakport Street, Suite 600
Oakland, CA 94621
Phone: 510-382-7800 Fax: 510-382-7810

Questions? Call 510-382-7800x115
Register online at www.cwea.org/conferences

Earn up to 7 Contact Hours

Conference Speakers:

David Clidence, P.E., Design Engr. Eco Oxygen

David Clidence is the chief engineer for ECO2. His experience stems from a broad range of odor control systems, construction management and business development. David holds a BA in Civil/Environmental Engineering from Purdue University and is a licensed P.E. in Indiana and Kentucky.

Bob Gaudes, P.E., VP, Air Quality Group, CDM

Bob Gaudes is a Senior Vice President at CDM. He formed CDM's Odor Control Group in the early 1990s and managed it until very recently. He has earned BS in Mechanical Engineering from Lowell Technological Institute, a MEng in Environmental Engineering from Rensselaer Polytechnic Institute, and a MS in Systems Management from the University of Southern California.

Patrick Griffith, P.E., Sr. Air Quality Eng, LACSD

Patrick Griffith is a Senior Civil Engineer at LACSD. In his current role with the Air Quality Section, he performs health risk assessments, works on permitting issues and prepares emissions reports for the Districts' wastewater facilities. He also works with the California Wastewater Climate Change Group tracking California's efforts to reduce greenhouse gas emissions. Patrick has a BE from Vanderbilt University and a MS from the University of Cincinnati in Environmental Engineering. He has a P.E. in Chemical Engineering.

Larry Hottenstein, VP Partner, ERM

Larry Hottenstein is a Principal Partner with ERM based in Irvine, California. He has over 34 years of experience in air quality consulting, specializing in emissions measurements, ambient air quality monitoring, environmental compliance, and odor evaluations. He has conducted odor studies at a wide variety of industrial facilities, such as refineries, chemical plants, and manufacturing operations, in addition to evaluating wastewater treatment plants, landfills, and rendering facilities.

David McEwen, Brown and Caldwell

David McEwen has worked in odor control planning and design as a consultant for 9 years, completing numerous field evaluations, computer modeling, and technology assessments. He has also been a contributor to a multi-year WERF research program investigating the origin and minimization of Biosolids odors at wastewater treatment facilities. He has served as the lead engineer for numerous studies, master plans, and designs for new and upgraded odor control systems in Northern California, including a current evaluation and potential major upgrade to a comprehensive odor control system for Union Sanitary District in Union City, California.

Charles McGinley, P.E., St. Croix Sensory, Inc.

Mike McGinley is the Technical Director of Laboratory, at St. Croix Sensory Inc., and an Associate Engineer of McGinley Associates, P.A.

Dick Pope, P. E., VP Malcolm Pirnie

Dick Pope is a Vice President of Malcolm Pirnie, Inc involved in Odor Control/Air Services group. He is an alumnus of Manhattan College with undergraduate and graduate degrees in engineering. He heads a centralized company team of dedicated odor specialists who provide full service, long-term odor control planning by conducting field odor investigations, odor dispersion modeling, and control system design. In that capacity he has been involved in developing immediate and long-term odor control and corrosion plans for more than 200 facilities around the country and beyond.

Dr. Mel Suffet, Environmental Science and Engineering Program, UCLA

Dr. Suffet is Distinguished Professor of Environmental Sciences in the Environmental Science and Engineering Program at UCLA. He has BS in chemistry from Brooklyn College (1961), his MS degree in chemistry from the University of Maryland (1964), and his Ph.D. in Environmental Science from Rutgers University (1968). His research interests include development of new analytical methods and approaches to evaluate the fate of pollutants in the environment and during treatment processes. He has studied toxics from nitrosamines to PCBs and odor causing compounds from MTBE to methyl sulfides from different sources and their fate in the air, soil and aquatic environments.

Philip Wolstenholme, Brown and Caldwell

Philip is Brown and Caldwell's national practice leader for odor control. He has published many papers on odor control, and presented at many national conferences. He is a contributor to the 1998 McGraw Hill Odor Control Handbook, the 2004 WEF Manual of Practice 25, and the odor control section of the recent third edition of Pumping Station Design textbook. Philip serves as a member of the WEF Air Quality committee.

CWEA and its Board, members and volunteers are not responsible for the actions of speakers or the contents of their papers, and no endorsement is implied or given of any persons or their philosophies, ideas or statements; nor of any products or processes; nor of any organizations or companies who volunteer to serve as speakers at the conference or exhibitors who purchase display space in the exhibit.



California
Water
Environment
Association

7677 Oakport Street Suite 600
Oakland, CA 94621 -1935

CWEA Specialty One Day Conferences

Odor Control in the Wastewater Field



Tuesday,
February 24, 2009
Playa Del Rey, CA

Thursday,
February 26, 2009
San Ramon, CA

Brought to you by CWEA
and its
Los Angeles Basin Section
and
Sacramento Area Section

Non Profit Organization
U.S. Postage
PAID
OAKLAND, CA
Permit #1483

Conference Overview

This one day specialty conference is designed to bring you the latest information on odor control technologies and operations and maintenance practices.

The workshop will start with an overview of odor regulations and policies and how best to communicate better with the public about odor issues.

Understanding odor generation and release is key to managing odors. Topics in this workshop will include how to assess odors and emissions, including characteristics and measurement of toxic air contaminants, odor sampling and

measurement, and atmospheric dispersion modeling techniques for odors and air emissions

Practical information regarding minimizing odor and fugitive emissions and containment of odors and emissions will be provided. The latest on technologies to manage odors through biological, chemical, and physical treatment will be explained.

Plant operations and maintenance staff, engineers, and management will all benefit from attending this unique specialty conference.

Workshop Locations

Southern California
Tuesday, February 24, 2009
 Hyperion Treatment Plant
 Pregerson TSF Building #16
 12000 Vista Del Mar
 Playa Del Rey, CA 90293



Northern California
Thursday, February 26, 2009
 Wedgewood Wedding &
 Banquet Center
 9430 Fircrest Land
 San Ramon, CA 94583

Earn up to 8.7 Contact Hours

Conference Schedule:

7:30AM — 8:00AM Registration
 8:00AM — 8:15AM Introduction
 8:15AM — 9:00AM Presentation by: Bob Gaudes
 9:00AM — 10:00AM Presentation by: Larry Hottenstein
 10:00AM — 11:00AM Presentation by: Richard Hope
 11:00AM — 12:00PM Presentation by: David Clidence
 12:00PM — 1:00PM Lunch (provided)
 1:00PM — 1:45PM Presentation by: Dr. Mel Suffet
 1:45PM — 3:00PM Presentation by: Charles McGinley
 3:00PM — 3:45PM Presentation by: Patrick Griffith
 3:45PM — 4:30PM Presentations by: David McEwen & Phillip Wolstenholme
 4:30PM Adjournment

First Name _____ Last Name _____ Name for Badge _____
 Agency/Company _____
 Address _____
 City _____ State _____ Zip Code _____
 Email Address _____
 Phone _____ Fax Number _____
 Emergency Contact _____ Phone _____

Special Services: Please check here if you require special accommodations to fully participate. Attach a written description of your needs. _____

___ Member CWEA, WEF or CA-NV AWWA Mbr # _____
 Current membership required for member rates.
 ___ Non-Member

	Regular Rate	Member Discounted Rate
<input type="checkbox"/> Tuesday 2/24/2009 Playa Del Rey	\$226.00	\$160.00
<input type="checkbox"/> Thursday 2/26/2009 San Ramon	\$226.00	\$160.00

Method of Payment _____ Total \$ _____

Check "CWEA 2009 Odor Control" Discover
 Visa MasterCard
 American Express Purchase Order — Must be attached

Credit Card # _____ Exp. date _____

Signature _____

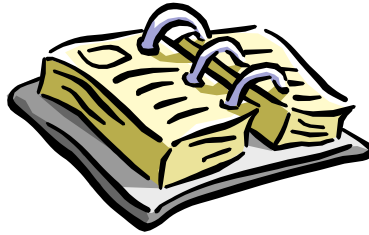
If more than one person from your agency, please photocopy and submit one form for each person.

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CWEA Specialty Conferences
 7677 Oakport Street, Suite 600
 Oakland, CA 94621
 Phone: (510) 382-7800
 Fax: (510) 382-7810

Questions? Call (510)382-7800x115
 Register online at www.cwea.org/conferences



SFBS CALENDAR

FEBRUARY 2009	
4	CWEA Specialty Conference, Membranes in Wastewater Treatment, Fairfield, Ca
12	SFBS Student Night, Hs Lordships, Berkeley
26	CWEA Specialty Conference, Odor Control in the Wastewater Field, San Ramon, CA
MARCH 2009	
TBA	SFBS Dinner Meeting, TBA
2-4	P3S 2009 Conference, Monterey, Ca
5	Math Anxiety Workshop, Vacaville, CA
18	O&M Committee Hands On Seminar, Delta Diablo, Antioch, CA
APRIL 2009	
TBA	SFBS Dinner Meeting, TBA
28- May 1	CWEA Annual Conference, Palm Springs, Ca

SF BAY SECTION BOARD OF DIRECTORS AND COMMITTEE CHAIRS

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2 nd Year Director thendry@whitleyburchett.com	Tom Hendry 925-945-6850	Professional Development mherston@fssd.com	Meg Herston 707-428-9109
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Laboratory Committee Cassie Prudhel cassie.prudhel@ssf.net	650-829-3840	Student Activities Cynthia Cano ccano@carlolo.com Sandie De Medeiros DeMedeirosSL@cdm.com	925-932-1710 925-296-8031
Communications mtakemoto@rmcwater.com	Mark Takemoto 925-627-4100	TCP Officer santosac@worldnet.att.net	Angelino Santos 510-481-6996
Newsletter Editor bealls@rodeosn.org	Steve Beall 510-799-2970	Collection System tom_herlihy@unionsanitary.com	Tom Herlihy 510-276-4700

**San Francisco Bay Section/CWEA
2999 Oak Road, Suite 490
Walnut Creek, CA 94597**