

**SAN FRANCISCO BAY SECTION**  
California Water Environment Association

*Inkspot*



**August 2007**

**GREETINGS FROM THE PRESIDENT...**

There were plenty of things that happened in July while we took a break from our normal dinner meeting. The most important event was arguably the annual Committee Appreciation Luncheon held on July 12th at Scott's Seafood in Walnut Creek. Hopefully you were able to attend the luncheon as the majority of the work done at the committee level is what drives the Bay Section forward. On behalf of the Bay Section Board of Directors, I would like to say a big THANK YOU to all of you who have donated time and energy this past year in making the Bay Section so successful. I would also like to thank Florence Wedington for organizing this rewarding event.

On the lighter side, the annual Golf Tournament and Dinner hosted by the Collection System Committee was held on July 20th at the Monarch Bay Golf Club. Over 90 golfers and non-golfers came out to participate in this 18 hole championship. The event was well run and the dinner afterwards was delicious. All had a great time, especially those who took home the grand prizes for lowest score and winning the putting contest. A big thanks to Gordon White and Walt Lunn and the rest of the Collection System Committee for organizing this very enjoyable event.

In August we are back on our regular dinner meeting schedule. This month, we will be meeting on August 2nd at Hs Lordships in Berkeley. Our guest speaker will be Alicia Chakrabarti

from East Bay MUD who will present the District's investigation of several waste-to-energy technologies that they believe could have potential application at their Main Wastewater Treatment Plant. Check out the flyer in this newsletter for more details.

Finally, abstracts for the 2008 Annual CWEA Conference in Sacramento are due on August 7. If you are interested in presenting a paper, you can find the Call for Abstracts on the CWEA web site.

One last note, please see at the end of the inkspot a letter from the CWEA regarding the SFBS donation to the Kirtland H. Brooks Memorial Scholarship Fund.

Rick Chan  
2007 SFBS President

**Important Stuff:**

**August 2** SFBS Dinner Meeting, HS Lordships, Berkeley(see flyer)

**August 7** Abstracts for the 2008 CWEA Annual Conference are due

**August 23** PDC Seminar on Energy Efficiency, HS Lordships, Berkeley (See Flyer)

**September 12-14** Northern Regional Training Conference, Redding, Ca.

**Printing Courtesy of Black & Veatch**

## Ramblings from the Editor...

Greetings!

It was that cherished time of year again; the annual vacation to the Klamath National Forest. This year I piggy backed it on a vacation with the family to Tahoe. Sometimes it is very hard to get back into the swing of things after a nice long vacation. Tahoe was beautiful. The fires were out, the basin was a tad smoky but not bad. This led to small crowds which is always nice. Ever been to Fallen Leaf Lake and the waterfalls above the lake? Very nice area, we love to hike through the stream above and below the falls. Lake Tahoe was also great, very warm for even Tahoe standards. Global Warming? I think not but that's another debate...

The trip to Sawyers Bar with my life long friends was awesome. The First day it rained all day. This was actually great as we arrived the morning before at about 2:30 am. My commitments at the District (Tuesday night Board meeting) had to be met before we could leave. We just relaxed at the cabin and played cards. This cool weather was a welcome break from the 110-115 F days the week before. The rest of the week was in the mid 90s with crystal clear skies for satellite and shooting star gazing. We also returned with our trophies (welts from paintball battles in the forest). This year we were more prepared than usual. We had multiple bottles of compressed CO<sub>2</sub> so we could have more battles. We had 3 on 2, 2 on 2, and even the crazed 3 on 1. That was a painful lesson in being outmatched as I was the one. Won't be doing that again anytime soon...

Anyway, please see the brochure after my ramblings. Jim Kelley (CCCSD), Gary Darling (DDSD), and Bert Michalczyk (DSRSD) are spearheading an effort to promote and develop educational opportunities for our industry. Our industry will see a large percentage of operators retire over the next five years or so. There are currently not enough bodies to fill the voids that will be created. This program will help to develop a stable resource for operations and technicians. The program will need the support of private and public alike. Please contact one of these gentlemen or Randy Grieb (CCCSD) for more information or to pledge your support.

Hope you all have a great day!!  
Steve

**If you are comfortable**



- using tools and machines
- with science, math, and computers
- working with a team of professionals
- using your hands, head and heart

**We want to meet you**

Begin a career after High School graduation and enter a lifetime profession with a Certificate of Achievement in Water/Wastewater after completing 28.5 college units.

OR

Advance your current water/wastewater career with an Associate of Science Degree after completing 28.5 units and the required general education courses.

**To Apply**

1. Go Online to [www.Solano.edu](http://www.Solano.edu)  
Click on Admissions.  
Go to "Apply Online"  
and follow the instructions.

2. After applying to Solano Community College, call (925) 335-7728 for specific course information, class start dates, and directions to Central Contra Costa Sanitary District.

3. Students will register in the classes they choose on the first evening the class is held at CCCSD on a first come basis. A \$50 enrollment fee will be charged for each class.



Central Contra Costa Sanitary District  
5019 Imhoff Place  
Martinez, CA 94553

**Begin a career  
with a future**



*If you like a challenge and responsibility for protecting public health and the environment-a job in the Water or Wastewater Industry could be for you.*

***Become a Water or Wastewater Professional!***

Solano Community College will offer Water/Wastewater Technology courses at the Central Contra Costa Sanitary District, 5019 Imhoff Place Martinez, CA 94553

For more information, email [class@centralsan.dst.ca.us](mailto:class@centralsan.dst.ca.us) or call (925) 335-7728

## Wastewater Treatment Plant Operators

**W**ater/Wastewater plant operators protect the public's health and the environment. They work with sophisticated equipment to remove potentially harmful contaminants from wastewater before it is consumed by the public or returned to the environment. Operators ensure that all Federal, State, and local water standards are met 24 hours a day, 365 days a year by the treatment plant.



The Water and Wastewater fields need new operators. Close to 50% of all treatment plant operators are expected to retire in the next seven to ten years. Jobs in water and wastewater treatment provide excellent pay, benefits, and promotional opportunities. It is a career for a lifetime with entry level operators earning more than \$50,000 in their first year.

Bay Area Clean Water Agencies (BACWA) have contracted with Solano Community College to offer an educational opportunity for men and women who are graduating or have graduated from high schools and Regional Occupational Programs (ROP) to become Certified Plant Operators. This program also provides education for advancement for employees currently employed in the industry.



It is planned that this program be offered at water and wastewater treatment plants throughout the Bay Area and would include classroom instruction, hands-on practice in a plant, and experience in environmental laboratories. Students would then be matched with a personal mentor during the course of study.

### What Skills Are Needed?

Water/Wastewater treatment plant operators should enjoy working with their hands and have an interest in biology, chemistry, and mathematics. Advancement to Journey-Level positions require passing exams administered by the State Water Resources Control Board.

### COURSES - Fall 2007 Semester

#### Water 100- Introduction to Water/Wastewater Treatment - 4 Units, Thursday, Lecture

Faculty E.J. Shalaby, M.P.A. District Manager, West County Wastewater District



Study of municipal and industrial wastewater collection and wastewater treatment methods, protection of ground water and receiving waters, and effects of pollutants on receiving waters.

#### Water 104- Introduction to Water Supply and Treatment - 3 Units, Tuesday, Lecture and Lab

James F. Smith, M.S. Superintendent of Water Treatment, East Bay M.U.P.



Study of elementary engineering aspects of design, operation, process control, and maintenance of water treatment plants and facilities.

#### Water 107- Mathematics of Water and Wastewater Treatment- 4 Units, Wednesday Lecture

Faculty, Gail Chesler Ph.D., Associate Engineer, Central Contra Costa Sanitary District



Study of hydraulics and calculations used in the design, operation, process control and the maintenance of treatment plants and facilities.

Courses begin at 6 P.M. and will be held at the Central Contra Costa Sanitary District, 5019 Imhoff Place, Martinez CA 94553



SAN FRANCISCO BAY SECTION  
California Water Environment Association

## **CWEA San Francisco Bay Section**

# **August 2007 Dinner Meeting**

**Featuring:** Alicia Chakrabarti, East Bay Municipal Utility District  
*EBMUD's Waste to Energy Project*

Municipal wastewater treatment plants are increasingly interested in waste-to-energy technologies as a way to reduce operating costs. The East Bay Municipal Utility District (EBMUD) identified and evaluated a number of waste-to-energy technologies that had potential for application at its Main Wastewater Treatment Plant (MWWTP) in Oakland, California. These technologies, results of the economic analysis, non-economic considerations and the outcome of the study will be discussed.

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

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

**When:** **Thursday, August 2, 2007**  
5:00 – Board Meeting  
6:00 – Social Hour  
7:00 – Dinner  
8:00 – Presentation

**Choice of:** London Broil  
Baked Salmon  
Vegetable Lasagna

**Contact:** Email Florence Wedington of East Bay Municipal Utility District at [cweasfbs@aol.com](mailto:cweasfbs@aol.com) for dinner reservations. Include your name, agency or company affiliation, and menu selection.

**Reservation deadline is Friday, July 27, 2007**

**REMEMBER – A reservation is a commitment to pay.**

**Directions:** Please see maps on following page.

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

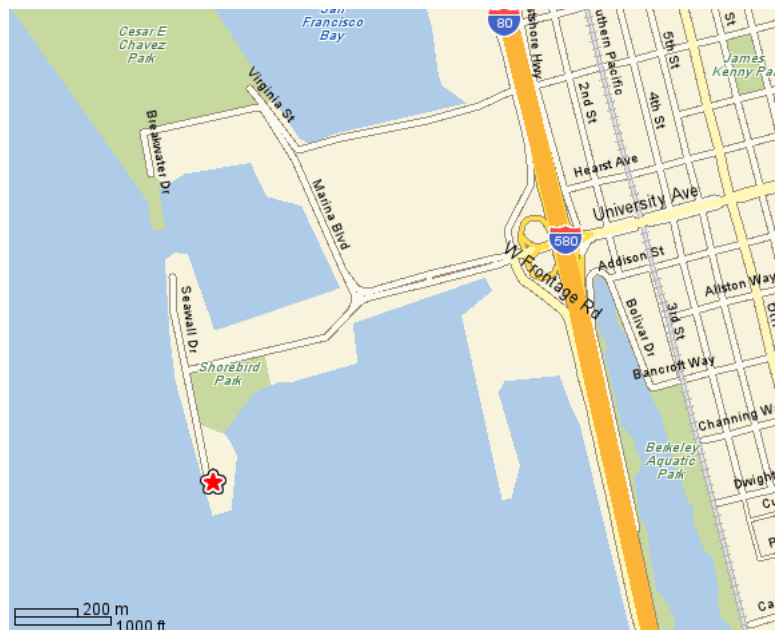
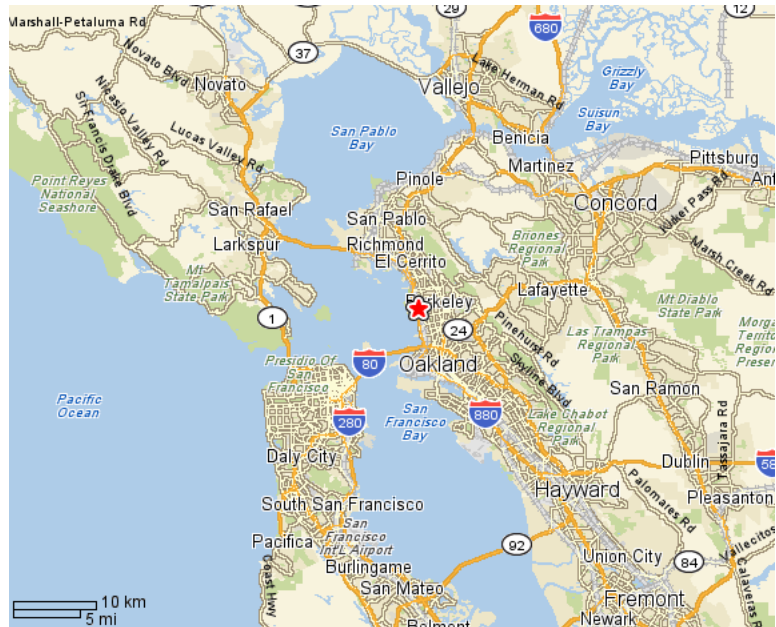
**From Sacramento:** Take I-80 West towards Berkeley. Exit at University Ave. and turn left onto University. Turn left on Seawall Drive. Continue on Seawall to HS Lordships.

**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**





**CWEA 80<sup>TH</sup> ANNUAL CONFERENCE – “STEPPING UP TO THE CHALLENGE”  
APRIL 13-16, 2008 – SACRAMENTO CONVENTION CENTER**



**PRESENTATION ABSTRACT SUBMITTAL FORM**

**DEADLINE FOR ABSTRACT SUBMISSION IS AUGUST 7, 2007.**

*(MS Word version of this form can be downloaded from [http://www.cwea.org/et\\_attendees\\_conferences.shtml](http://www.cwea.org/et_attendees_conferences.shtml))*

**Primary Speaker Information** (for coordination purposes, list only one person as primary speaker):

Primary Speaker's Name: \_\_\_\_\_

CWEA Member ID  
(if applicable, not required): \_\_\_\_\_

Company/Agency: \_\_\_\_\_

Department/ Division: \_\_\_\_\_

Full Mailing Address: \_\_\_\_\_

Office Phone: \_\_\_\_\_

Mobile or Home Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Are you a student?     Yes                      If yes:     Graduate     Senior     Junior     Sophomore     Freshman

Name of school: \_\_\_\_\_

**Additional Speaker Information** (if applicable, list additional speakers who will participate in the presentation)

2<sup>nd</sup> Speaker Name / Agency: \_\_\_\_\_

3<sup>rd</sup> Speaker Name / Agency: \_\_\_\_\_

4<sup>th</sup> Speaker Name / Agency: \_\_\_\_\_

**Presentation Title & Topic** (fill in the requested information and provide abstract on the following page)

Title of Presentation: \_\_\_\_\_

**Is your presentation most related to?** (check one)

- Operations     Maintenance     Engineering Design/Construction     Engineering Research     Other

**Preliminary Session Topics** (Please check the topic that most represents your presentation. Highlight sub-category, if applicable.)

- |   |  |
|---|--|
| <input type="checkbox"/> ASSET MANAGEMENT                         | <input type="checkbox"/> PLANT & PROCESS OPERATIONS                    |
| <input type="checkbox"/> BIOSOLIDS TREATMENT, MANAGEMENT & RE-USE | <input type="checkbox"/> POLLUTION PREVENTION                          |
| <input type="checkbox"/> COLLECTION SYSTEMS MAINTENANCE           | <input type="checkbox"/> PROCESS CONTROL & AUTOMATION                  |
| <input type="checkbox"/> COLLECTION SYSTEMS OPERATIONS            | <input type="checkbox"/> PROFESSIONAL & PERSONAL GROWTH                |
| <input type="checkbox"/> DISINFECTION                             | <input type="checkbox"/> PROJECT MANAGEMENT                            |
| <input type="checkbox"/> ELECTRICAL & INSTRUMENTATION MAINTENANCE | <input type="checkbox"/> PUBLIC EDUCATION & INVOLVEMENT                |
| <input type="checkbox"/> EMERGING CONTAMINANTS                    | <input type="checkbox"/> REGULATORY ISSUES                             |
| <input type="checkbox"/> FINANCING & FINANCIAL MANAGEMENT         | <input type="checkbox"/> RISK MANAGEMENT                               |
| <input type="checkbox"/> GOVERNMENT AFFAIRS                       | <input type="checkbox"/> SAFETY  |
| <input type="checkbox"/> INDUSTRIAL WASTEWATER TREATMENT          | <input type="checkbox"/> SECURITY                                      |
| <input type="checkbox"/> LABORATORY ANALYSIS & ISSUES             | <input type="checkbox"/> SOURCE CONTROL & PRETREATMENT                 |
| <input type="checkbox"/> MAINTENANCE TRAINING                     | <input type="checkbox"/> STORMWATER MANAGEMENT, COLLECTION & TREATMENT |
| <input type="checkbox"/> MECHANICAL MAINTENANCE                   | <input type="checkbox"/> STUDENT PROJECTS & RESEARCH                   |
| <input type="checkbox"/> NATURAL TREATMENT SYSTEMS                | <input type="checkbox"/> UTILITY MANAGEMENT                            |
| <input type="checkbox"/> NPDES PERMIT ISSUES                      | <input type="checkbox"/> WASTEWATER TREATMENT                          |
| <input type="checkbox"/> ODOR CONTROL                             | <input type="checkbox"/> WATER RECLAMATION & REUSE                     |
| <input type="checkbox"/> OPERATOR TRAINING                        | <input type="checkbox"/> WATER RESOURCE MANAGEMENT                     |
| <input type="checkbox"/> PERSONNEL MANAGEMENT & SUPERVISION       |  |

Along with confirmation that your abstract has been accepted for the conference, you will be advised of the duration of your session. Presentation sessions will be either 25 minutes long or 50 minutes long, including Q/A. Although speakers will not have a choice of duration, for future planning efforts, we would like to know whether you would prefer a 25 minute session or a 50 minute session.

Which session length would you prefer?     25-minute session     50-minute session

**Presentation Abstract**

In the box, below, provide an abstract of your paper/presentation. Abstracts are to be a maximum length of 150 words. Abstracts of more than 150 words will not be accepted. Before submitting, please check your abstract's word count. To do this, highlight your abstract text, in the box below, and click "Word Count" from the Tools drop-down menu.

**Speaker Biographies**

In the boxes, below, provide brief biographies of each speaker(s). These will be used to introduce the speaker(s) before the presentation. Keep biographies simple. Includes bullets pertaining to education, experience, employer, position/role, specialty, etc.

<p>Primary speaker name: _____</p> <ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li></ul>	<p>2nd speaker name: _____</p> <ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li></ul>
<p>3rd speaker name: _____</p> <ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li></ul>	<p>4th speaker name: _____</p> <ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li><li>•</li></ul>

**Abstract Submittal Instructions**

Abstracts must be submitted by **Aug 7, 2007**. The primary speaker will be notified of acceptance or rejection by Oct 1, 2007.

If you are submitting more than one abstract, submit them separately. All abstracts must be prepared and received electronically, using this Abstract Submittal Form, which can be downloaded in MS Word format from [http://www.cwea.org/et\\_attendees\\_conferences.shtml](http://www.cwea.org/et_attendees_conferences.shtml). Handwritten abstracts, those prepared without using this form, or those received by snail mail or fax will not be accepted.

Completed abstracts shall be submitted electronically, by e-mail, to Cassie Prudhel, Program Co-Chair, at [cassie.prudhel@ssf.net](mailto:cassie.prudhel@ssf.net)  
If you have a problem submitting your abstract, for information regarding the conference program, or for clarification of abstract submittal requirements, please contact:

**Cassie Prudhel**  
Conference Program Co-Chair  
City of South San Francisco WQCP  
Office: (650) 829-3840  
[Cassie.prudhel@ssf.net](mailto:Cassie.prudhel@ssf.net)

# STEPPING UP TO THE CHALLENGE

2008 CWEA ANNUAL CONFERENCE • SACRAMENTO, CALIFORNIA  
CWEA AC08  
Certification, Networking, training, fun!







**California  
Water  
Environment  
Association**

7677 Doherty Street, Suite 525,  
Oakland, CA 94621-1915

June 12, 2007

Rick Chan  
Carollo Engineers  
2700 Ygnacio Valley Rd., #300  
Walnut Creek, CA 94598-3488

Dear San Francisco Bay Section;

On behalf of the CWEA Board of Directors and members, thank you so much for the generous contribution of \$2,000 made to the CWEA Kirtland H. Brooks Memorial Scholarship Fund.

Your gift will enable deserving CWEA members and their immediate families to achieve their goals of higher education. Your generosity is greatly appreciated.

While the fund has reached the initial \$200,000 goal, we realize that its success is based in the strong support that it has received from our local sections. We look forward to continuing to aid those pursuing further education in our community for many years to come.

Again, thank you to all of the San Francisco Bay Section members for supporting the CWEA Kirtland H. Brooks Memorial Scholarship Fund.

Yours truly,

A handwritten signature in cursive script that reads "Alice L. Benson".

Alice Benson  
KB Scholarship Committee Chair

cc: Maura Bonnarens, President  
Elizabeth Allan, CAE, ABC, Executive Director



**SAN FRANCISCO BAY SECTION**

California Water Environment Association

Professional Development Committee

**CWEA SEMINAR**

Thursday, August 23, 2007

## Energy Efficiency at Wastewater Plants

*You've heard about cogeneration and aeration blower controls to save energy consumption. Now learn about some less common ways.*

### Who Should Attend?

Anyone who is interested in energy efficiency in treating wastewater

#### SPEAKERS

**Diep Nguyen, DTN Engineers**

- Modify your Electrical System for Energy Savings

**Robert Sundberg, NorCal Molecular, LLC**

- Polymer Coatings to Improve Pump Efficiency

**Steve Fok, Pacific Gas & Electric Co.**

- Energy Efficiency and Incentive Programs

**Alicia Chakrabarti, East Bay MUD**

- EBMUD Energy Reduction Programs and WWTP Energy Use Benchmarks

**Dick York**

- Innovative FOG to Energy Project at the City of Millbrae

#### Hs. Lordships Restaurant

199 Seawall Drive, Berkeley, CA  
510-843-2733

For more information, contact:  
Tom Hendrey

Whitley Burchett & Associates  
925-945-6850  
thendrey@whitleyburchett.com

Earn up to 5 CWEA contact hours

Thursday, August 23, 2007

Registration 8:30 am

Seminar: 9:00 am to 3:30 pm

Lunch provided at noon



### Registration Form for Energy Efficiency at Wastewater Plants

Early registration is encouraged due to space limitations. Seminar topics and speakers are subject to change without prior notice.

Name: \_\_\_\_\_

Agency/Firm: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Daytime Phone: \_\_\_\_\_ Fax #: \_\_\_\_\_

E-mail Address: \_\_\_\_\_ Check Number: \_\_\_\_\_ Please make a copy of this filled-in form for your records.

Do you require special accommodations (please describe): \_\_\_\_\_

Enclose check payable to: S.F. Bay Section, CWEA

Cost: \$90 for CWEA and CA-NV AWWA members

\$100 for non-members

Includes continental breakfast, lunch, and refreshments

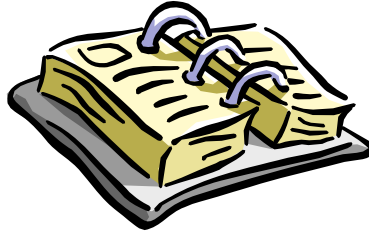
Do you want contact hours?  Yes  No

Mail to: Bing Misra, Dublin San Ramon Services District

7399 Johnson Drive, Pleasanton, CA 94588

Phone: 925-875-2323 Fax: 925-875-2424

Email: misra@dsrsd.com or gumber@dsrsd.com



## SFBS CALENDAR

AUGUST 2007	
<b>1</b>	<b>Operator Certification Exam Application Deadline</b>
<b>2</b>	<b>SFBS August Dinner Meeting, HS Lordships, Berkeley</b>
<b>7</b>	<b>Abstracts for the 2008 CWEA Annual Conference are due (see flyer)</b>
<b>23</b>	<b>PDC Seminar on Energy Efficiency, HS Lordships Berkeley (see flyer)</b>
SEPTEMBER 2007	
<b>TBA</b>	<b>SFBS September Dinner Meeting, Location TBA</b>
<b>9-12</b>	<b>22<sup>nd</sup> Annual Water Reuse Symposium, Tampa Florida</b>
<b>12-14</b>	<b>Northern Regional Training Conference, Redding, Ca.</b>
OCTOBER 2007	
<b>TBA</b>	<b>SFBS October Dinner Meeting, Location TBA</b>
<b>13-17</b>	<b>WEFTEC 07, San Diego California</b>



**SF BAY SECTION BOARD OF DIRECTORS AND COMMITTEE CHAIRS**

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<b>Treasurer</b> kjk@vaengr.com	<b>Kevin Krajewski</b> 510-903-6600	<b>Student Activities</b> cshima@centralsan.dst.ca.us	<b>Clint Shima</b> 925-228-9500
<b>Communications</b> mtakemoto@rmcwater.com	<b>Mark Takemoto</b> 925-627-4100	<b>TCP Officer</b> santosac@worldnet.att.net	<b>Angelino Santos</b> 510-481-6996
<b>Newsletter Editor</b> bealls@rodeosan.org	<b>Steve Beall</b> 510-799-2970	<b>Collection System</b> tom_herlihy@unionsanitary.com	<b>Tom Herlihy</b> 510-276-4700

San Francisco Bay Section/CWEA  
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