

SAN FRANCISCO BAY SECTION  
California Water Environment Association

*Inkspot*



August 2006

## GREETINGS FROM THE PRESIDENT...

August already! I hope everyone is having a great summer, and has been staying cool through the recent heat wave. While the Bay Section didn't have a dinner meeting in July, there was plenty going on. On July 14<sup>th</sup>, the Collection System Committee hosted their annual Golf Tournament. Over 80 golfers came out to the Monarch Bay Golf Club to play eighteen holes and enjoy dinner. Thanks to all the committee members who helped to make this event successful.

Speaking of thanking committee members, the annual Committee Appreciation Luncheon was held July 20<sup>th</sup> at Scott's Seafood in Walnut Creek. On behalf of the Bay Section Board of Directors, I'd like to extend our sincere gratitude to all of you who have volunteered your time on behalf of the Bay Section. Hopefully you were able to make the lunch, but if not, know that your service is invaluable to the Bay Section and to CWEA. The real work of CWEA is done at the committee level—your efforts are what make this organization so successful.

In August we're back on our regular dinner meeting schedule. This month, we're meeting on August 3<sup>rd</sup> at Scott's Seafood in Oakland. Maura Bonnarens of East Bay MUD (and CWEA President Elect) will be speaking on the new General Waste Discharge Requirements recently adopted by the State Water Quality Control Board. Also, on August 8<sup>th</sup>, the

Professional Development Committee is sponsoring a seminar on *Cogeneration and Alternative Energy for POTWs*. See this month's issue of the *Inkspot* or the Bay Section web site for more details.

Finally, August 7<sup>th</sup> is the deadline for submitting abstracts for the 2007 CWEA Annual Conference. If you are interested in presenting a paper in Ontario, you can find the Call for Abstracts on both the CWEA and the Bay Section web sites.

That's all I've got for this month. Enjoy the warm weather, and we'll see you at Scott's on the 3<sup>rd</sup>!

Kevin Calderwood  
2006 SFBS President

### **Important Stuff:**

**August 3<sup>rd</sup>** SFBS Dinner Meeting

**August 7<sup>th</sup>** Final Date to  
Submit Abstracts for CWEA  
Annual Conference

**August 8<sup>th</sup>** PDC Cogen Seminar

## Musings from the Editor...

Greetings, I hope all of you are having a wonderful summer!!

OK folks, as promised, here is the next installment of "As the Clarifier Turns". As we left off from the previous episode, under the supervision of a new Board of Directors, the District hired Dave Sullivan to clean up the mess. First a little bit about Dave: Many of you know Dave, for those of you who don't, Dave has made it a career of fixing troubled sanitary sewage treatment plants. He is an expert at troubleshooting problem treatment processes, instituting quick repairs, operating treatment plants, and of course, the traditional design of treatment units. Dave is a P.E. and holds a Grade V wastewater treatment plant operator's license. When Dave arrived, he literally said "holy *<insert the appropriate expletive here>* what a mess". He then rolled up his sleeves and began the plan to make changes.

Soon after Dave's arrival and with the guidance of a newly enlightened Board of Directors, changes began. In the beginning, it was impossible to see the process units though the six-foot tall weeds growing around them. Most of the walls of the operations building were so overgrown in ivy you couldn't see them either. The so-called "floating" covers of the digesters were either tilted and stuck or covered with sludge and foam. *It gets better.* The aeration basin was in such bad shape that most of the diversion gates were either broken or stuck in position so sewage flowed in and out and though the basin in whatever path it chose. Many of the aerators were deteriorated and not functional. The gravity thickener, also in deplorable condition, was the source of a cyclic catastrophic upset at the plant due to its ineffective operation. Additionally, all metal parts in the gravity thickener building were severely corroded. The chemical feed systems were gas (not too desired anymore, especially in a residential area), the grit chamber didn't function correctly, and the emergency generators hadn't been service in years, perhaps decades. Not a good scene huh? There was no reserve in the operating fund and about \$500,000 in the capital fund.

Let the rebuild begin! Between 2000 and 2002 the following was accomplished:

- Refurbished Centrysis centrifuge purchased from a milk processing outfit.
- All new aerators (perforated membrane over PVC tube), new gates, an anoxic selector, and patches for the holes in the basin walls.
- Small Rubbermaid sheds from OSH to house new liquid chemical feed systems and new CL<sub>2</sub> analyzers. No more gas feed systems!
- Cleaned up the grounds and painted the structures and piping.
- New Sernagiotto rotary drum thickener.
- New Wemco/LMH grit removal system.
- Modified the collection system to prevent recurring overflows and to ease maintenance.
- Replaced about 90 percent of the valves.
- Rehabilitated the District vehicles to functioning condition.
- Created/updated the 30-year-old plant operations and maintenance manual to reflect these changes.

The total cost for these items was about \$1.2 million. Fortunately, several small subdivisions went up in the community at about the same time as these projects, seeding the capital fund with about \$750,000.

Next time on "As the Clarifier Turns", we will discuss some of the major improvements at the District and where we are today. Stay tuned!



SAN FRANCISCO BAY SECTION  
California Water Environment Association

## **CWEA San Francisco Bay Section**

# **August 2006 Dinner Meeting**

**Featuring:** Maura Bonnarens, East Bay Municipal Utility District (EBMUD)  
*General Waste Discharge Requirements*

On May 2, 2006, the State Water Resources Control Board (SWRCB) adopted a General Waste Discharge Requirement (WDR) for all publicly owned sanitary sewer collection systems in California with more than 1 mile of sewer pipe. The goal of the WDR is to provide a consistent statewide approach for reducing Sanitary Sewer Overflows (SSOs). The WDR will have a major impact on collection system agencies throughout the state. Maura will provide an overview of what the WDR require, including the time frames for implementation.

**Where:** **Scott's Seafood**  
#2 Broadway (Jack London Sq.)  
Oakland, CA 94607  
(510) 444-3456

**Dinner:** \$30.00 CWEA Members  
\$38.00 Non-CWEA Members  
\$15.00 Students

**When:** **Thursday, August 3, 2006**  
5:00 – Board Meeting  
6:00 – Social Hour  
7:00 – Dinner  
8:00 – Presentation

**Choice of:** Imperial Salmon  
Shitake-Crusted Chicken Breast  
Pasta Primavera

**Contact:** Contact Kevin O'Toole of Whitley Burchett & Associates at 925-945-6850 or [sfbs@whitleyburchett.com](mailto:sfbs@whitleyburchett.com) for dinner reservations. Include your name, agency or company affiliation, and menu selection.

**Reservation deadline is Friday, July 28, 2006**

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

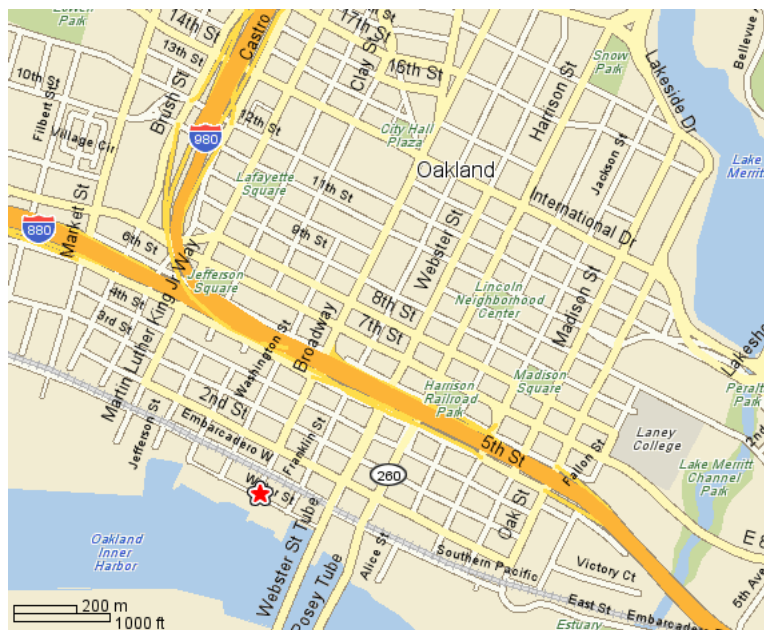
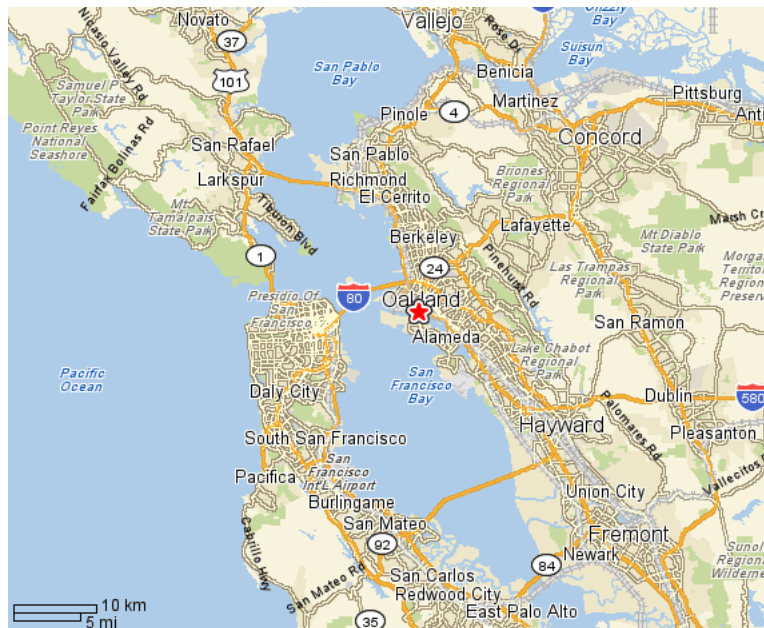
**Directions:** Please see maps on following page.

★ **Scott's Seafood, #2 Broadway (Jack London Sq.), Oakland, CA 94607, (510) 444-3456**

**From Contra Costa:** Take Hwy 24 to I 980/Downtown Oakland. Take the 11th/12th Street Exit. Once you exit the freeway you will be on Brush Street. Turn left on 5th Street and right on Broadway. Follow Broadway to the waterfront for Jack London Square.

**From South Bay:** Take Hwy 880 North to the Broadway Exit. Off the freeway, turn left onto Broadway to the waterfront for Jack London Square.

**From SF & North Oakland:** Take Bay Bridge to I 880 South/Alameda-SJ. Exit on Broadway-Alameda exit. Ease to the right at the bottom of the ramp, turn right onto Adeline and left on 3rd Street. Travel 12 blocks and turn right onto Broadway. Follow Broadway to the waterfront for Jack London Square.





**California Water Environment Association**  
Protecting our water environment through education and training.

## *Call for Abstracts*

**CYCLE INTO EXCELLENCE**



**2007 CWEA ANNUAL CONFERENCE • ONTARIO, CALIFORNIA  
APRIL 17 - 20, 2007 - ONTARIO CONVENTION CENTER**

**FINAL DATE TO SUBMIT ABSTRACTS IS  
AUGUST 7, 2006**

TEAM CWEA

Building, Developing, Growing through  
**Volunteers**, Training, **Education**, **Certification** and **Networking**

FOR INFORMATION AND REQUIREMENTS, VISIT THE CWEA WEBSITE'S CONFERENCE PAGE

[HTTP://WWW.CWEA.ORG/ET\\_ATTENDEES\\_CONFERENCES.SHTML](http://www.cwea.org/et_attendees_conferences.shtml)





SAN FRANCISCO BAY SECTION  
California Water Environment Association

# SEMINAR

Professional Development Committee

## Cogeneration and Alternative Energy for POTW's

**Who Should Attend:**

- Design engineers
- Consulting engineers
- Operator and maintenance staff
- Plant/facilities engineers and managers
- Energy managers

**Tuesday, August 8, 2006**

**9:00 am to 3:30 pm**

**Registration 8:30 am**

**Hs. Lordships Restaurant  
199 Seawall Drive, Berkeley  
510-843-2733**

**Topics Include:**

- Digester gas treatment for cogeneration
- Fuel cell applications for POTW's
- Cogeneration facility design
- Wind and solar energy projects
- Microturbines

**SPEAKERS:**

- Dick York - City of Millbrae
- Kevin Bell - Chevron Energy Solutions
- Tom Hendrey - Whitley Burchett & Associates
- Sarwan Wason - Carollo Engineers
- Richard Konieczka - Logan Energy
- Ric O'Connell - Black & Veatch



*Earn up to 5 contact hours. For more information contact Craig Mizutani, Central Contra Costa Sanitary District, (925) 229-7361, cmizutani@centralsan.dst.ca.us*



### Registration form for "Cogeneration and Alternative Energy for POTW's"

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

Name \_\_\_\_\_ Check # \_\_\_\_\_

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

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

Daytime Phone (\_\_\_\_\_) \_\_\_\_\_ Fax # (\_\_\_\_\_) \_\_\_\_\_

E-mail Address \_\_\_\_\_

Do you want contact hours?  Yes  No

**COST:** \$80 for SF Bay Section members and \$100 for non-members.  
Includes continental breakfast, lunch, and refreshments.  
Please make a copy of this filled in form for your records.  
Enclose a check payable to SF Bay Section, CWEA.

**MAIL TO:** Bing Misra, Dublin San Ramon Services District  
7399 Johnson Drive, Pleasanton, CA 94588  
Phone: 925-875-2323 Fax: 925-846-2937



## SFBS CALENDAR



### AUGUST 2006

<b>1 – 3</b>	<b>WEF Wastewater Security Workshop, San Francisco, California</b>
<b>3</b>	<b>SFBS Dinner Meeting – Scott’s Sea Food, Oakland (see flyer)</b>
<b>6 – 9</b>	<b>WEF Collection Systems 2006, Detroit, Michigan</b>
<b>7</b>	<b>Final date to submit abstracts for CWEA Annual Conference in Ontario, California April 17-20, 2007</b>
<b>8</b>	<b>PDC Cogeneration Seminar (see flyer)</b>
<b>SEPTEMBER 2006</b>	
<b>7</b>	<b>Joint SF Bay and Redwood Empire Sections Dinner Meeting – Topic and Locale TBD</b>
<b>10 – 13</b>	<b>WateReuse Symposium, Hollywood, California</b>
<b>17 – 19</b>	<b>CWEA Northern Regional Training Conference, Sparks, Nevada</b>
<b>28 – 30</b>	<b>Tri-State Seminar, Primm, Nevada</b>
<b>OCTOBER 2006</b>	
<b>21 – 25</b>	<b>WEFTEC, Dallas, Texas</b>

## SF BAY SECTION BOARD OF DIRECTORS AND COMMITTEE CHAIRS

<b>President</b> kcalderwood@brwnald.com	<b>Kevin Calderwood</b> 925-210-2234	<b>Laboratory</b> cassie.prudhel@ssf.net	<b>Cassie Prudhel</b> 650-829-3840
<b>Vice President</b> rchan@carollo.com	<b>Rick Chan</b> 925-932-1710	<b>Laboratory QA/QC</b> rayb@dwq.swrcb.ca.gov	<b>Bill Ray</b> 916-657-1123
<b>1<sup>st</sup> Year Director</b> kotoole@whitleyburchett.com	<b>Kevin O'Toole</b> 925-945-6850	<b>Membership</b> fioruccirw@bv.com	<b>Randy Fiorucci</b> 925-949-5950
<b>2<sup>nd</sup> Year Director</b> kjk@vaengr.com	<b>Kevin Krajewski</b> 510-903-6600	<b>O &amp; M Exchange</b> bdobey@centralsan.dst.ca.us	<b>Bruce Dobey</b> 925-335-7782
<b>Past President/Awards Chair</b> paul@centralsan.dst.ca.us	<b>Paul Louis</b> 925-229-7165	<b>Professional Development</b> mwalkowi@ch2m.com	<b>M. Walkowiak</b> 510-251-2426
<b>Treasurer</b> jose_cabral_rodriguez @ yahoo.com	<b>Jose Rodriguez</b> 510-226-1456	<b>Safety</b> lgonzalez@centralsan.dst.ca.us	<b>Leo Gonzalez</b> 925-229-0480
<b>Communications</b> mtakemoto@rmcwater.com	<b>Mark Takemoto</b> 925-627-4100	<b>Student Activities</b> cshima@centralsan.dst.ca.us	<b>Clint Shima</b> 925-229-9500
<b>Newsletter Editor</b> bealls@rodeosan.org	<b>Steve Beall</b> 510-799-2970	<b>TCP Officer</b> santosac@worldnet.att.net	<b>Angelino Santos</b> 510-481-6996
<b>Collection System</b> lrather@oroloma.org	<b>Lenny Rather</b> 510-276-4700		

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