

SAN FRANCISCO BAY SECTION
California Water Environment Association

Inkspot



November 2006

**GREETINGS FROM THE
PRESIDENT...**

I'm going to start this month's message with a last minute appeal. If you have not yet voted on the updates to CWEA's constitution, please stop reading and vote now. Your vote is VERY IMPORTANT, and the voting deadline is October 31st, which, hopefully, will not yet have passed by the time you see this. If you can't find your ballot, you can get another one at www.cwea.org/vote. Go ahead, vote. I'll wait.

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Thanks!

Our October meeting at the Silver Dragon Restaurant in Oakland featured Matthew Tolcher and Heather Fleming from Engineers Without Borders speaking about two of their projects: bringing clean water to a village in Tanzania, and providing more efficient cookstoves to refugees in Darfur. Thanks to both of them for an informative and interesting presentation. On November 2nd, we will be meeting at Spenger's Fresh Fish Grotto in Berkeley. Please join us for "FOG Control Programs: One Size Doesn't Fit All," a discussion of how various agencies are trying to limit fats, oils, and grease in their collection systems.

I hope everyone is wrapping up their awards nomination packages as the deadline for nomination submittal is October 31st. Completed forms should go to the Bay Section's awards chair, Paul Louis, and not to the CWEA.

And finally, we are looking for people interested in joining the Bay Section Board of Directors. There will be a vacancy on the board in January at the Second-Year Director spot, and we would like to hear from anybody interested in learning more about it. Please see me or any of the other board members at the next dinner meeting, or give one of us a call to learn more. You can find contact information for any of us on the Bay Section's web site at www.cwea.org/sfb.

Thanks, and see you at Spenger's.

Kevin Calderwood
2006 SFBS President

Important Stuff:

November 2 SFBS Dinner Meeting - Spenger's, Berkeley, Ca

November 9 Collection Systems Committee Meeting (see flyer)

November 23 Turkey Day

Musings from the Editor...

Hello everyone, hope you are having a great day!

From my previous articles, it has become apparent that the Rodeo Sanitary District has been to Hades and back. Now, this little plant is in like new condition excluding the little luxuries like ornamental vegetation, new modern vehicles, etc. Those items are not needed to discharge high quality effluent. One of the biggest reasons that the District has such a high quality effluent is the operators. The group of guys I have here are very dedicated to what they do, especially in preserving the sensitive ecosystem of the San Pablo Bay. There are ~30 miles of collection system, two pump stations, and a full secondary activated sludge wastewater treatment plant for a staff of SIX operators (including me), ONE lab technician, and ONE District Administrator. All of the operators with the District do the majority of the maintenance except items best left to the manufacturers or machine shops, like rebuilding pumps, etc. We also do the majority of the rehabilitations/upgrades around the plant. For example, one of the projects that will be discussed in the future was the new chemical storage and feed systems. District staff installed all of the piping, most of the electrical, and the chemical storage tanks. We also did the system design and startup and shakedown. I must admit, it was a very fun project to be a part of.

As promised from the last episode of "As the Clarifier Turns", here is a discussion of one of the more significant projects completed at the District; the installation of the HiOx aeration system from Parkson. The HiOx system is an ultra fine bubble aeration panel, consisting of a flexible membrane system which produces the ultra fine bubble. The District previously used a coarse bubble system that consumed quite a bit of electricity to maintain 2-3 mg/L of Dissolved Oxygen in the effluent of the aeration basin. Essentially, the new system consists of 29 - 4'x12' membrane panels that cover the bottom of the two aeration basins (excluding the anoxic selector, ~1/3 of one basin). The panels are fed by five headers that are configured to uniformly throttle the air flow to all of the panels or just to individual panels. The air requirement for the old system, with two 100 hp blowers was 1800 scfm (90% Capacity) or more to maintain 2-3 mg/L of DO. Now we operate between 600-700 scfm with only one blower on-line, while easily achieving 4+ mg/L of DO. The savings to the District in its first year of operation have amounted to approximately \$50,000 (that's a lot of money for a small District). This savings is due to reduced power usage, as the power reduction when compared to the previous year is 30 percent. If anyone wants to get greater detail about the system and our savings, give me a call, send an email, or come to the District and see it for yourself





CWEA San Francisco Bay Section

November 2006 Dinner Meeting

Topic: *FOG Control Programs: One Size Doesn't Fit All*

Featuring: Tyree Jackson, Castro Valley Sanitary District (CVSD)
 Jeff Carson, Oro Loma Sanitary District
 Trish Maguire, East Bay Municipal Utility District (EBMUD)

Many agencies are initiating or revising their FOG (fat-oil-grease) control programs to comply with the recent State Water Resources Control Board (SWRCB) *Statewide General WDR for Wastewater Collection Agencies* (Order No. 2006-0003-DWQ). Each agency needs to tailor their FOG program to fit their needs. Come join the Bay Section to learn about different size FOG programs to get a feel of what's available, some potential pitfalls to avoid, and how the program is impacted by the WDR.

Where: Spenger's Fresh Fish Grotto
 1919 Fourth Street
 Berkeley, CA 94710
 (510) 845-7777

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

When: **Thursday, November 2, 2006**
 5:00 – Board Meeting
 6:00 – Social Hour
 7:00 – Dinner
 8:00 – Presentation

Choice of: Grilled Flat Iron Steak
 Parmesan Petrale Sole
 Pasta Provencal (Vegetarian)

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

Reservation deadline is Friday, October 28, 2006

REMEMBER – A reservation is a commitment to pay.

Directions: Please see maps on following page.

★ **Spenger's Fresh Fish Grotto, 1919 Fourth Street, Berkeley, CA 94710, (510) 845-7777**

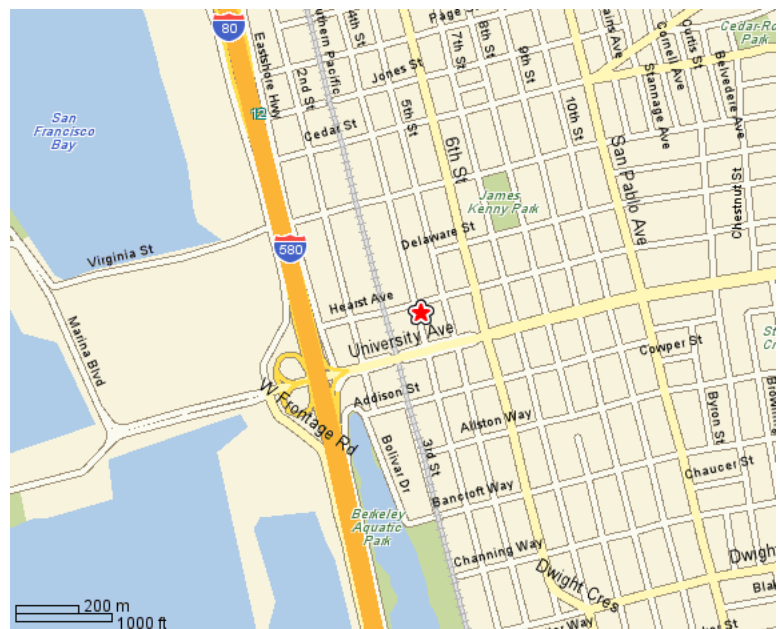
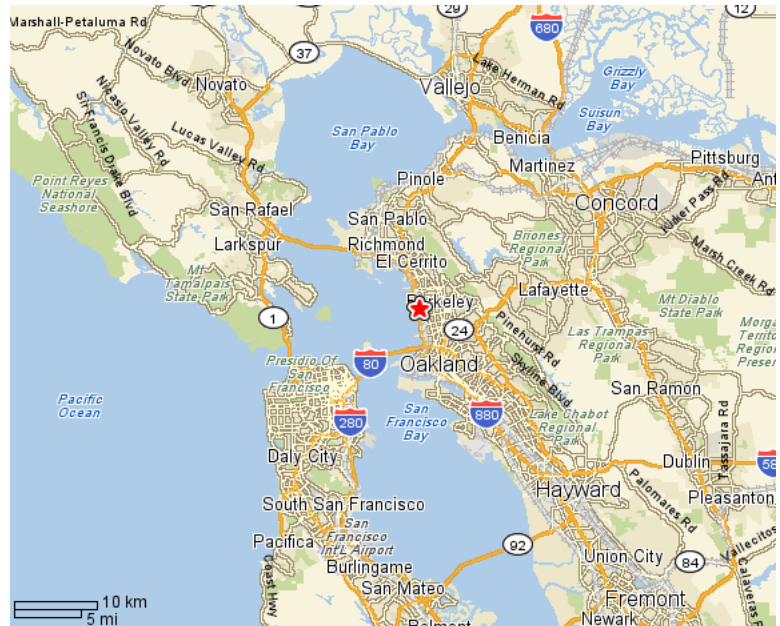
From Sacramento: Take I-80 West towards Berkeley. Exit at University Ave. and keep right. Pass over the highway and turn left at the first stoplight onto Sixth St. Take the first left at Hearst St. Go two blocks and turn left on Fourth St. Spenger's will be on the left.

From East Bay: 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. and go two blocks to Fourth St. Turn right and Spenger's will be on the left.

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. and go two blocks to Fourth St. Turn right and Spenger's will be on the left.

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. and go two blocks to Fourth St. Turn right and Spenger's will be on the left.

Parking: Parking is validated for three hours in the private lot across from Spenger's on Fourth St.



DRIVING DIRECTIONS

From I-880 South:

Take the Hesperian Blvd. Exit.
Quickly merge to the left lane.
Make Left onto Lewelling Blvd.

***Continue on Lewelling Blvd. for several miles.

Make Right onto Wicks Blvd.
The Marina Community Center is on the Left.

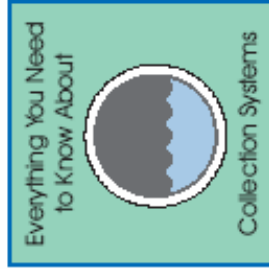
From I-880 North:

Take the Lewelling Blvd. Exit.

Make a Right onto Lewelling Blvd.***

San Francisco Bay Section's Collection System Committee
c/o City of Antioch
1201 W. 4th St.
Antioch, CA 94531

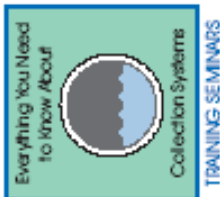
Seminar #5
Traffic Control and
Flagger Certification



TRAINING SEMINARS

November 9, 2006
8:30 A.M. to 3:00 P.M.
Marina Community Center
15301 Wicks Blvd, San Leandro
California 94579

Sponsored by:
CWEA
San Francisco Bay Section's
Collection System Committee



Traffic Control and Flagger Certification

When: N o v e m b e r 9 , 2006
One Day Only

Where: Marina Community Center
15301 Wicks Blvd. San Leandro 94579

Cost: \$75 per person (cash or check) Includes lunch
No refunds. Attendance limited to 40. No walk ins.

For reservations, contact:
Tom Sains, (925) 779-6962, or by email tsains@ci.antioch.ca.us; or call Michelle or Karen, (925) 779-7950, by Sept. 1, 2006. Mailed checks must be received before date of class; otherwise, please pay at the door for admittance.
Make checks payable to **CWEA- SFBS** and mail to: Tom Sains
PO Box 5007, Antioch, CA 94531

Traffic Control and Flagger Certification

- Traffic Control Training
Certified Instructor will give instruction on proper traffic control set up and other requirements.
- Obtaining State Required
Flagger Certification
Become familiar with the Flagger requirements and become a Certified Flagger.
- Certification Exam
Attendees will be required to complete and pass a practical exam before receiving their certification.
Bringing your Flagger PPE is optional.

- ▶ Flagger Certificate
- ▶ 4 Contact Hours

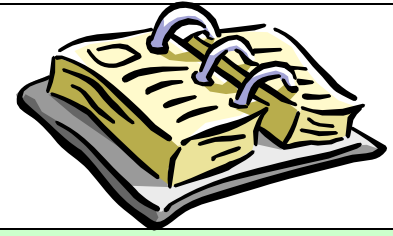
Traffic Control and Flagger Certification PROGRAM

- 8:30 am to 9:00 am
Registration and
Continental Breakfast
- 9:00 am to 11:30 am
Classroom Instruction
- 11:30 am to 12:30 pm
Lunch - Provided
- 12:30 pm to 3:00 pm.
Classroom Instruction and Flagger Exam

(Please be on time)

Seminar # 6
Technical Certification Program
Preparation Class - January, 2007
Look for more information in the mail.

Interested in joining the **SFBS
Collection Committee?** Contact
Committee Chair for information.
Sergio Ramirez
sergio@cvsan.org
(510) 909-8725



SFBS CALENDAR

NOVEMBER 2006	
2	SFBS November Dinner Meeting, Spenger's Fresh Fish Grotto, Berkeley
2	SWRCB SSO WDR Notice of Intent Enrollment Due
23	Turkey Day!!
DECEMBER 2006	
TBA	SFBS December Dinner Meeting, Location TBA
21	Winter Solstice (more daylight returns!!)
JANUARY 2007	
TBA	SFBS January Dinner Meeting, Location TBA
2	CWEA Board Nominations Due
12	SFBS Awards & Installation Banquet, Location TBD

SF BAY SECTION BOARD OF DIRECTORS AND COMMITTEE CHAIRS

President kcalderwood@brwnald.com	Kevin Calderwood 925-210-2234	Laboratory cassie.prudhel@ssf.net	Cassie Prudhel 650-829-3840
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1st Year Director kotoole@whitleyburchett.com	Kevin O'Toole 925-945-6850	Membership fioruccirw@bv.com	Randy Fiorucci 925-949-5950
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