

SAN FRANCISCO BAY SECTION
California Water Environment Association



September 2007

GREETINGS FROM THE PRESIDENT...

I recently visited China and the growth in its two major cities is astronomical. Beijing, host of the 2008 Olympic Games, has over 15 million people. Shanghai, host of the 2010 World Expo, has over 17 million people. Infrastructure construction in both cities is occurring at a feverish pace. From various reports, more than 50 percent of the concrete poured in the world in 2006 was in China. As fast as these two commercial and industrialized cities are growing, their water and wastewater infrastructure systems still fall far behind standards that we are accustomed to in the United States. At every city in China that I visited, the tour guide always reminded us to never drink water directly from the tap. In some of the older sections of Beijing and in many rural areas of the country, "squatters" are still widely used where conventional toilets are not available (don't ask me where the flow goes from the "squatters"). When I got back to the States, I could not be happier to be able to drink water directly from my kitchen sink and to see my American Standard toilet in action. This experience has made me more appreciative of the work we water and wastewater people do on a daily basis to protect public health and improve the environment we live in.

The September dinner meeting will be a joint meeting with the Redwood Empire Section. It will be on September 6 at Back Forty Texas BBQ in Pleasant Hill (I was just there last week and the food is awesome!).

Printing Courtesy of Black & Veatch

The guest speaker will be Jeff Skinner from Central Contra Costa Sanitary District who will present his experiences with wastewater collection and disposal practices at mobile events. Check out the flyer in this newsletter for more details.

Finally, just another reminder for you to nominate someone and/or a project that is deserving for a San Francisco Bay Section Award. Contact Kevin Calderwood, our Awards Chairman, at 916-853-5374 or email him at kcalderwood@brwncald.com for more information or if you have any questions.

That's it for now. See you at Back Forty Texas BBQ on September 6. FYI, they have no "squatters."

Rick Chan
2007 SFBS President

Important Stuff:

September 6 SFBS/RWE Joint Dinner Meeting, Back Forty Texas BBQ, Pleasant Hill (see flyer)

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

Ramblings from the Editor...

Greetings!

YIKES!! Time? Do you think we can petition Congress to commission a committee to see if there is a way to slow the rotation of the earth? Or even slow the orbit? Hmm, sounds like a good idea, but unlikely. I just seem to need more time. My most recent adventure was to install 17 trusses over the walls of my addition. Yes I am the builder (sole) as well as engineer, contractor, financier, floor sweeper, you name it. I must say one thing for certain, those who do construction for a living, WOW very impressive. I find it difficult to move the next day from the very sore muscles. I have spent almost 18 months on this project and will spend probably close to 12 more. But what a savings!! Building materials aren't that much, labor is the real cost; surprised?!?

Anyway, please see the brochure after my ramblings. **WE NEED YOUR SUPPORT!!** Many of the agencies in the area 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.

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
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 or call (925) 335-7728

Wastewater Treatment Plant Operators

Water/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.D.



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 & Redwood Empire Section

September 2007 Joint Dinner Meeting

Featuring: Jeff Skinner, Central Contra Costa Sanitary District
Circus Here Today, Wastewater Disposal at Mobile Events

Every town seems to have a festival, carnival or circus in the summer. At a circus or carnival there are living quarters with sinks, restrooms and showers as well as porta-potties. What happens to the wastewater when the festival is over or the circus leaves? Do they haul it off with them to the next location, use a septic hauler or dispose of it themselves. Mobile events produce challenges along with their wastewater. Hear about case studies that show the challenges and strategies for dealing with these types of events.

Where: **Back Forty Texas BBQ**
100 Coggins Drive
Pleasant Hill, CA 94523
(925) 935-1440

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

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

Choice of: **All You Can Eat – BBQ**
Chicken, Sliced Beef, Salad,
Corn Cobettes, BBQ Beans,
and Veggie Burgers (upon
request)

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

Reservation deadline is Friday, August 31, 2007

REMEMBER – A reservation is a commitment to pay.

Directions: Please see maps on following page.

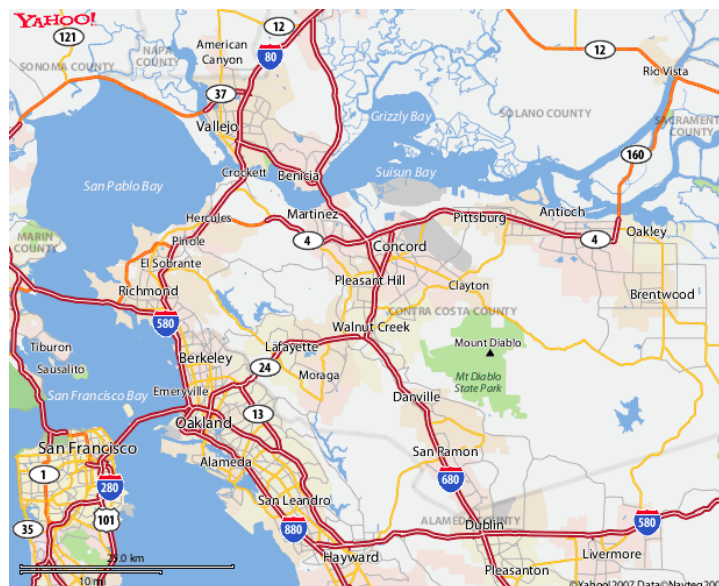
★ **Back Forty Texas BBQ, 100 Coggins Drive, Pleasant Hill, CA 94523**

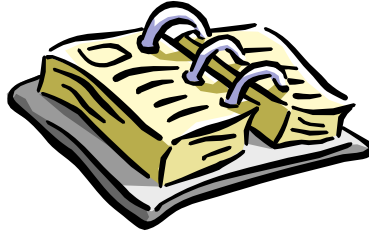
Free Parking

From Sacramento: Take I-80 West to I-680 South toward Benicia/San Jose. Exit at Treat Boulevard/Geary Road. Turn Right on N. Main Street. Turn Left on Pleasant Valley Drive. Turn Left on Oak Park Blvd. Continue on Coggins Drive.

From Vallejo: Take I-780 East to I-680 South toward Benicia/San Jose. Exit at Treat Boulevard/Geary Road. Turn Right on N. Main Street. Turn Left on Pleasant Valley Drive. Turn Left on Oak Park Blvd. Continue on Coggins Drive.

From Oakland: Take I-980 East toward Walnut Creek/San Francisco/Hayward. Continue on CA-24 East. Take the Concord/Sacramento left exit onto I-680 North. Exit at Treat Blvd./Geary Road. Continue on Buskirk. Turn right on Coggins Drive.





SFBS CALENDAR

SEPTEMBER 2007	
6	SFBS September Joint Dinner Meeting, Back Forty Texas BBQ, Pleasant Hill
9-12	22nd Annual Water Reuse Symposium, Tampa Florida
12-14	Northern Regional Training Conference, Redding, Ca.
27-29	Tri-State Seminar, Primm, Nevada
OCTOBER 2007	
TBA	SFBS October Dinner Meeting, Location TBA
6	Operator Certification Exam
13-17	WEFTEC 07, San Diego California
31	Technical Certification Application Deadline
NOVEMBER 2007	
TBA	SFBS November Dinner Meeting, Location TBA
22	Happy Thanksgiving!



SF BAY SECTION BOARD OF DIRECTORS AND COMMITTEE CHAIRS

President rchan@carollo.com	Rick Chan 925-932-1710	Laboratory cassie.prudhel@ssf.net	Cassie Prudhel 650-829-3840
Vice President kotoole@whitleyburchett.com	Kevin O'Toole 925-945-6850	Membership fioruccirw@bv.com	Randy Fiorucci 925-949-5950
1st Year Director fwedingt@ebmud.com	Florence Wedington 510-287-1625	O & M Exchange Greg.DeBois@LEE-RO.com	Greg DeBois 925-937-4050
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Communications mtakemoto@rmcwater.com	Mark Takemoto 925-627-4100	TCP Officer santosac@worldnet.att.net	Angelino Santos 510-481-6996
Newsletter Editor bealls@rodeosan.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