

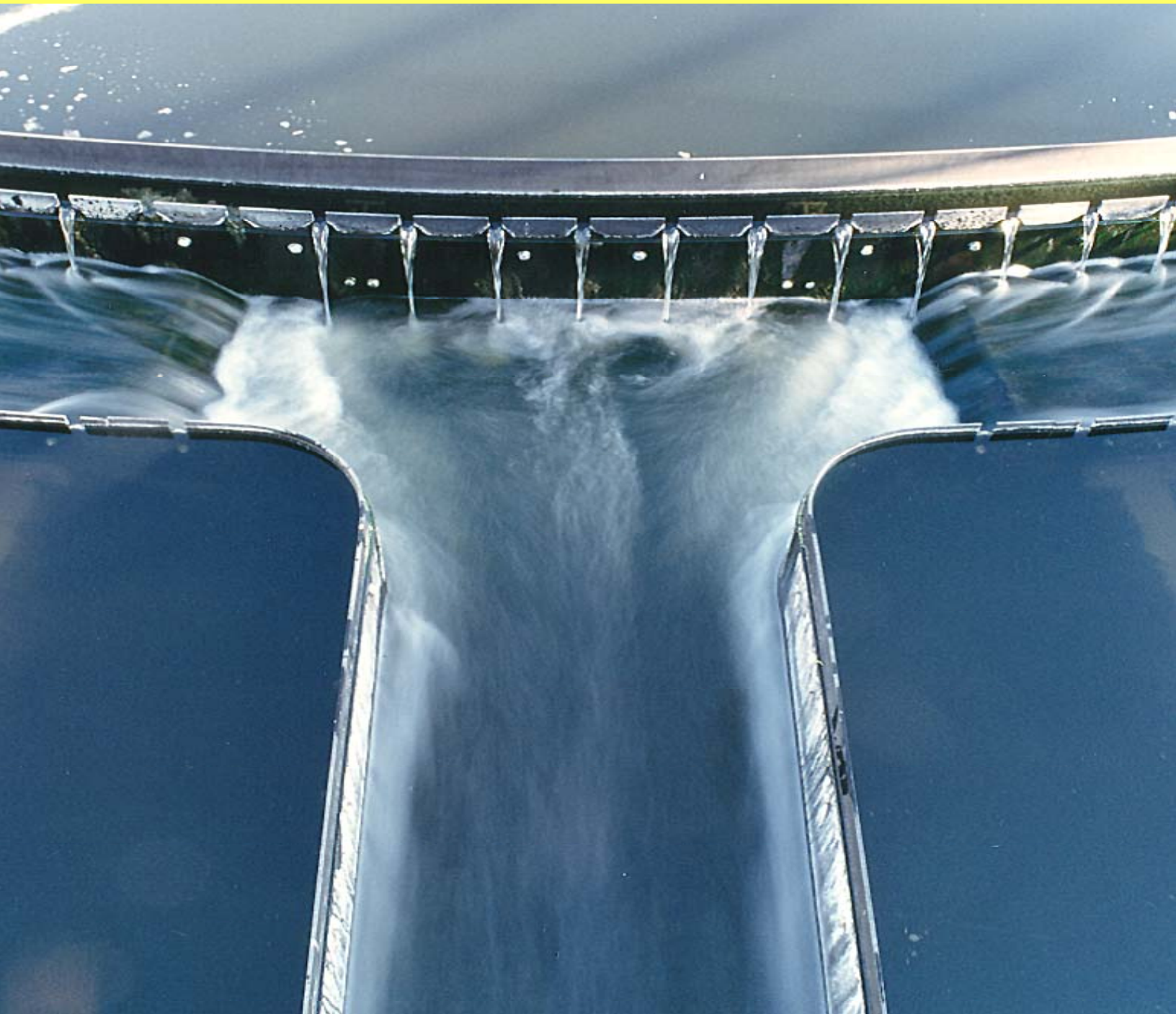


----- “The Goal” and Wastewater Treatment -----
----- CWEA Government Affairs Specialty Conference on Global Climate Issues -----
----- Highlights from the ASCE Pump Seminar -----
----- LABS Young Professionals Summer Event at the Hollywood Bowl -----
----- See Page 5 for LABS July Training Event Details -----

July 2008 SEWER LEAKS – A Los Angeles Basin Section of the CWEA Publication

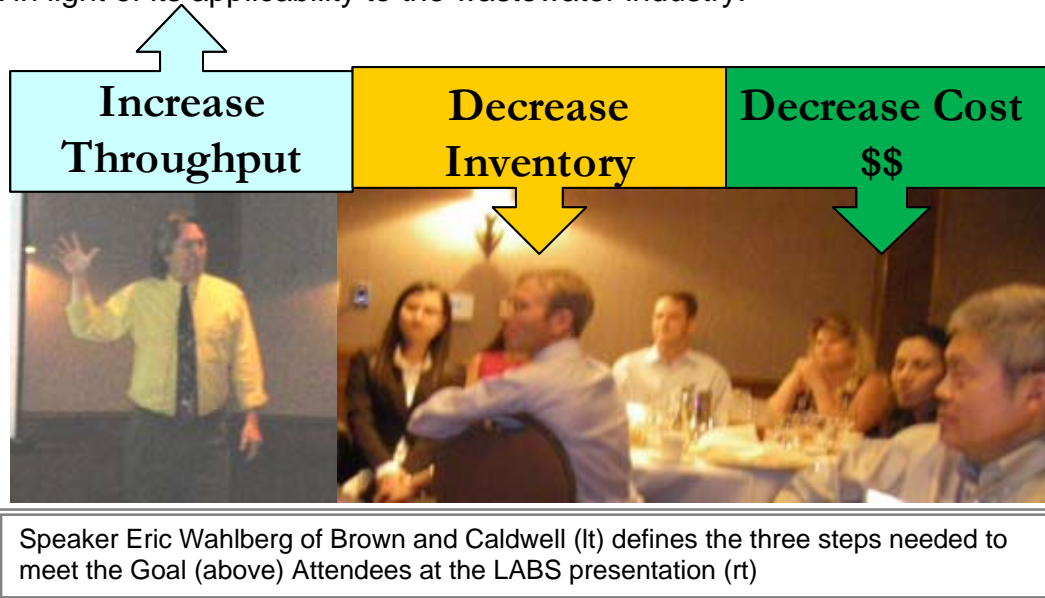


LABS VP Hala Titus (lt) speaker Eric Wahlberg at the June LABS Event (ctr lt) Attendees at the June LABS Event (ctr) CWEA Regulatory Affairs Cmt Chair Nichole Baker and speaker Patrick Griffith at the Global Climate Issues Specialty Conference in Whittier (lt) Cincinnati MSD rectangular clarifiers with circular weirs presented as an example of process design constraints at the June LABS event (below)



“The Goal” and Wastewater Treatment

On June 26, the Los Angeles Basin Section (LABS) of California Water Environment Association (CWEA) hosted a training meeting at the Monterey Hill Restaurant in Monterey Park. The featured speaker at the event, Dr. Eric Wahlberg of Brown and Caldwell, presented a review of the business management publication “The Goal” written by Eliyahu Goldratt and Jeff Cox in light of its applicability to the wastewater industry.



Speaker Eric Wahlberg of Brown and Caldwell (lt) defines the three steps needed to meet the Goal (above) Attendees at the LABS presentation (rt)

After a creative guitar interlude that served as an icebreaker, Dr. Wahlberg challenged leaders of the wastewater industry to consider the operation of wastewater treatment plants using principals generally applied to manufacturing plants, though the industrial engineering discipline. The goal of any manufacturing plant is to make as much money as possible. Historically, wastewater treatment plants came on-line to achieve water quality regulations and therefore the industry has established permit compliance as its primary goal. According to Dr. Wahlberg, this practice can lead to inefficiencies in operations since management does not generally assess wastewater treatment plants in light of manufacturing principals. These principals are currently being applied agencies throughout the US. These include Cincinnati MSD, Metro Denver, and the City of Los Angeles. An example of design optimization was shown for Cincinnati MSD where square clarifiers were designed with circular weirs. This complicates solids removal and increases the plant inventory.

Dr. Wahlberg redefines the goal of wastewater treatment plants as an opportunity *to make permit and produce safe, usable biosolids as cost effectively as possible*. The three steps required to achieve the goal are (1) Maximize throughput, (2) Minimize inventory, and (3) Minimize operating expenses. Dr. Wahlberg cautioned the wastewater industry to pay attention to the order of the steps. Often there is a tendency to focus on cost minimization, however, plants can become distracted by reducing costs that don't have any impact on reducing operating expenses. For example, reducing the aeration rate could be narrowly viewed as an “operating cost reduction” however, it leads to poor solids settling and increased inventory. The order is important. From a “production” standpoint, wastewater treatment plants produce biosolids. To achieve the goal in wastewater treatment: (1) Maximize throughput by assuring max capacity always available, (2) Minimize inventory by minimizing solids mass in all processes, and (3) Minimize operating expenses by doing the other two.

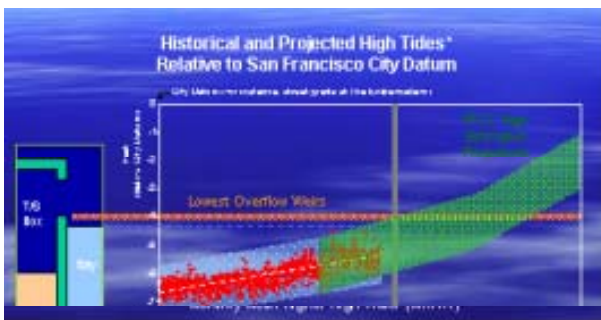
CWEA Government Affairs Specialty Conference a Success!

On June 17th and 18th CWEA’s Government Affairs Committee hosted two one-day specialty seminars entitled Global Climate Change Issues. Concerns over climate change as a consequence of the release of greenhouse gases (GHGs) has resulted in a range of efforts to regulate and reduce their emissions as well as to replenish the stores of fixed carbon (C) on earth. As a result of these efforts, there is now a financial value and international markets for stored carbon or carbon / GHGs that are not released into the atmosphere. Expected increases in the stringency of the regulatory framework will likely lead to increased values for carbon. This would make offset projects more financially appealing. As with other commodities, accounting systems have been developed in an attempt to quantify changes in carbon emissions associated with difference practices.



Speaker John Robinson, MWH discusses Regulatory trends (lt) Attendees at the Whittier Specialty (rt)

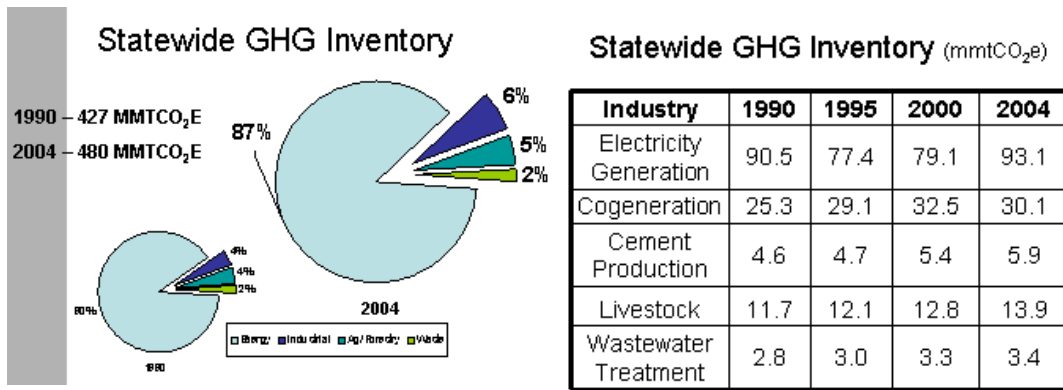
Attendees were welcomed to the Specialty by Nichole Baker the CWEA Government Affairs Committee Chair. John Robinson of MWH then presented a General Overview of Current Regulatory Trends. These include: GHG registries such as the CA Climate Action Registry and GHG reduction programs such as EPA Climate Leaders and DOE 1605b/Climate Vision. Mr. Robinson explained that trading programs such as Chicago Climate Exchange (CCX) are gaining definition. John challenged attendees to represent their industry to help make the system effective. Arleen Navarret and Jon Loiacono of SFPUC presented on Sea Level Rise – Current and Future Impact on the San Francisco Public Utilities Commission.



Impact of rising tides on San Francisco’s combined sewer system (lt) Proposed low impact design to attenuate over taxed storm sewers includes: intensive eco-roof, rain screen, permeable paving, cistern, in-street planter (ctr) San Francisco Bay area’s Wastewater System (rt)

Arleen and Jon of SFPUC explained the vulnerability of San Francisco to sea level rise due to the existing combined sewer system. Over the last 20 years tides have risen from 2.5 (mean) to 6 (high) inches. Elevated tides have led to capacity loss and contamination concerns for the

combined sewer system. Short-term solutions such as duckbill valves have been installed longer term solutions such as low impact development are planned. Ray Huff and Patrick Sullivan of SCS Engineers then presented on the carbon footprint and impact of biosolids. Ray and Patrick introduced the mandatory GHG emissions reporting requirements contained in AB32 and the voluntary GHG emissions reporting requirements contained in the CCAR. Voluntary reporting benefits the industry by leading to the establishment of credible industry baselines, advancing GHG accounting standards, preparing for emissions trading, and preparing for the inevitable (AB32). Alyson Watson of RMC presented on AB32. The California Global Warming Solutions Act of 2006 (AB32) requires reduction of GHG emissions to 1990 levels by 2020 and 80% below 1990 levels by 2050 the 1990 GHG emissions baseline = 427million MTCO₂E the 2004 GHG emissions = 480 million MTCO₂E. The wastewater treatment industry represents approximately 2% of this loading. In addition a statewide cap will be required beginning in 2012. Under AB32 the CARB is required to establish a mandatory reporting system, early action measures, and cap and trade program. The program concluded with a presentation by Patrick Griffith of LACSD on the Lieberman-Warner Climate Security Act of 2008 (S. 2191/S. 3136).



ASCE Pumping Systems Design for Civil Engineers June 6-7 in Whittier



On June 6-7 ASCE hosted a Pumping Systems Design Seminar in Whittier presented by David Hanna, Professor of Civil Engineering at Ferris State University. The course provided an overview of the specification of successful pumping systems which included: a review of hydraulic operating conditions, design issues, pressure factors, manufacturer’s pump head-capacity curves, and comparative features of different types of pump stations. System curves and hydraulic design details required for a successful pump station design include: System pressures, Operating parameters, Plot of system head curve(s), pump curves, efficiencies coverage charts, and basic specification information. The purpose of pump station design is to marry the pump curves with system curves.

Save the Date LABS Young Professionals hosts “A Night in Old Havana”

Join YP’s for their annual summer event next month on August 16, 2008 for a picnic at the Hollywood Bowl followed by a concert titled "A Night in Old Havana."



THE LOS ANGELES BASIN SECTION OF THE C W E A
HOSTS A DINNER AND TRAINING MEETING



“Communicating to Gain Public Acceptance in the Water Industry”

Thursday, July 24, 2008

Doubletree Hotel Carson Civic Plaza

----- (See map below) -----

Guest Speaker

**Ron Wildermuth, Manager of Public and Government Affairs
West Basin Municipal Water District**

TOPICS:

Targeted communications works best.

You can reach the general public in a cost effective manner.

Make the media your friends.

Dinner is at 6:30; presentation at 7:15; join us at 6:00 for the mixer if you can.

Dinner Menu:

Meals include one of the following entrees:



Tender Marinated Tri Tip

Roasted Steak served with Bordelaise Sauce

Grilled Atlantic Salmon Filet

Creamy Dill Sauce or Lobster Sauce

Rosemary Chicken

Breast of Chicken with fresh Rosemary with a hint Garlic

Pasta Primavera (For Vegetarians)

Reservations:

RSVP By MONDAY, July 21st

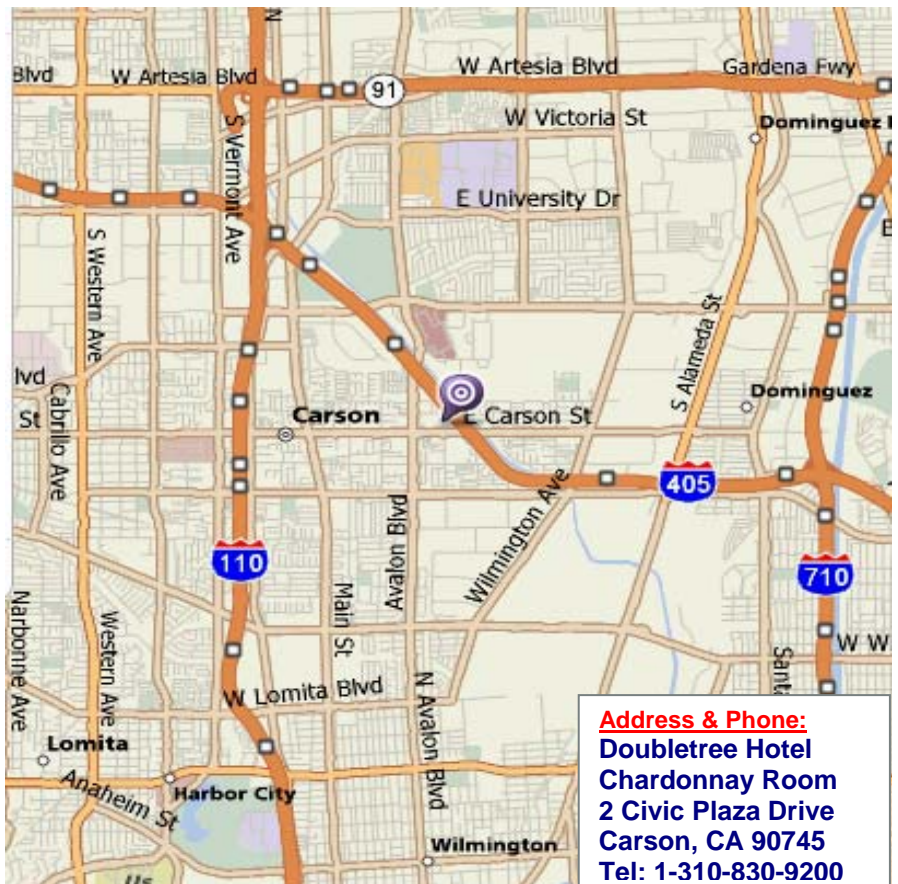
RSVP (with one menu choice from above) to Hala Titus by e-mail (preferred method) at [mail to: titush@bv.com](mailto:titush@bv.com) -or- by phone at 213-312-3300

Event Cost: (pay at the door)

Member	\$30
Non-Member	\$35
Student / Retiree	\$15



Handicap Accommodations Available



Address & Phone:

**Doubletree Hotel
Chardonnay Room
2 Civic Plaza Drive
Carson, CA 90745
Tel: 1-310-830-9200**



LABS CORPORATE SPONSORS



BioCOPE, Inc.
 Pat McDaniel, President
 23711 Hix Drive
 Canyon, TX 79015
 ph: 800-900-6201
 Fax: 888-473-4948
 www.biocope.com
 pmcdaniel@biocope.com



Bay Area Process
 14365 Meadow Dr.
 Grass Valley, CA 95945
 Marc Cuniberti, President
 Ph: (530) 272-2298
 Fax: (530) 272-2753
 Toll Free (800) 326-4039
bayareaprocess@att.net
 Website: RUECKCO.COM

PUMPS

- Parts
- Systems
- Repairs
- Rentals



James H. Clark, P.E.
Vice President
 800 Wilshire blvd. # 600
 Los Angeles, CA 90017
 ph: 213-312-3300
 Fax: 213-312-3399
 www.bv.com
 clarkjh@bv.com



Donald G. Rosenberg and Associates, Inc.
 6442 Coldwater Caynon, Suite 101
 North Hollywood, CA 91606
 ph: 818-508-4523
 fax: 818-508-6126
Donald G. Rosenberg, Principal



11111 Santa Monica Blvd.
 Suite 750
 Los Angeles, CA 90025
 Tel: (310) 893-2700
 Fax: (310) 893-2750

www.browncaldwell.com/



MURRILL ADAMS
GOLDEN BELL PRODUCTS

1200 N. Jefferson, Unit M Phone: (714) 630-3861
 Anaheim, CA 92807 Fax: (714) 630-4807
www.goldenbellproducts.com Toll Free: (866) 462-3577
 email: info@goldenbellproducts.com



CALIFORNIA ENVIRONMENTAL CONTROLS, INC.

Industrial and Municipal
 Water and Waste Treatment Systems
 6739 So. Washington Ave./P.P. Box 469/Whittier, CA 90608-0469
 (562) 945-3425 Fax (562) 693-5257
pfk@calencon.com www.cec-h2o.com
Patrick F. Kennedy



WATER AND WASTEWATER ENGINEERED SYSTEMS

SEWAGE LIFT STATIONS
 SELF PRIMING / SUBMERSIBLE
 California Environmental Controls, Inc.
 562-945-3425



MARK ALLING

8851 Dice Road Santa Fe Springs, CA 90670
 CUST. SERV. (866) 337-7427
 TEL. (562) 698-8036
 FAX (562) 698-1921
mark.alling@pahc.com



J.G. Tucker & Son, Inc.

Industrial Tools - Safety
 Environmental Health Products
David Tucker - Sales/Customer Service
 294 West Bonita (909) 392-3442
 Pomona, CA 91767 (909) 392-3446 Fax
www.jgtucker.com (909) 223-4243 Cell
david@jgtucker.com



www.coombshopkins.com

R. Bruce Zimmerman, President ph: 760-931-0555
 5411 Avenida Encinas, Suite 250 fax: 760-931-9115
 Carlsbad, CA 92008 cell: (714) 745-0678
bruce@coombshopkins.com



Alec Mackie 290 Paularino Ave
 Marketing Manager Costa Mesa, CA 92626
 JWC Environmental P: 714-428-4614
www.jwce.com alecm@jwce.com



Northridge, CA 91324
 (818) 772-8720 Fax(818) 772-2477 Toll Free (818) 333-6474
 email: sales@sensorguys.com



Engineering Excellence
 in Water &
 Envirostructure

Dhiru Patel, P.E., Vice President ph: 626-912-3391, x-209
 1199 S. Fullerton Rd. fax: 626-912-2015
 City of Industry, CA 91748-1232 dhiru-p@lee-ro.com
www.lee-ro.com



LABS CORPORATE SPONSORS



MARCAB COMPANY, INC.

Kris Brooks
 155 Balboa St. ph: 760-510-8030
 Suite D-9 fax: 760-510-8031
 San Marcos, CA 92069 www.marcabcoinc.com



Chuck Parsons ph: 714-891-2323
 5841 Engineer Dr. ph: 800-726-2664
 Huntington Bch., CA 92649 fax: 714-891-2524
 chuck@sancon.com cell: 714-231-3630
 www.sancon.com Contr. Lic. 731797



Rick Di Cesare Phone: 805.498.3811
 1111 Rancho Conejo Blvd. Suite 501 Fax: 805.498.7631
 Newbury Park, CA 91350-1415 info@mrc technologies.com



Steven Stump ph: 714-847-1317
 17631 Metzler Lane fax: 714-847-6907
 Huntington Beach, CA 92647 Lic. 686371



Joseph A. Wojslaw, P.E., Vice President
 MWH Americas, Inc.
 618 Michilinda Avenue Suite 200 ph: 626-796-9141
 Arcadia, California 91007 Direct: 626-568-6194
 joseph.a.wojslaw@mwhglobal.com Fax: 626-568-6101



Steve Ahles
 Proj. Manager, Burbank Water Reclamation Plant
 740 North Lake St. ph: 818-972-1115, x-20
 Burbank, CA 91502 cell: 805-551-8997
 fax: 818-845-0718
 steve.ahles@unitedwater.com



Lou Giordano
 209 E. Alameda St.
 Suite 204
 Burbank, CA 91502-2674
 Pacific Process Equipment, Inc. ph: 818-500-9495
 fax: 818-500-9799
 www.pacificprocess.com



Sales Service Training
Lisa Haller ph: 760-635-9237
 1042 N. El Camino Real, Suite B-228 ph: 800-804-7772
 Encinitas, CA 92024 fax: 760-635-9156
 www.westcoastsafetysupply.com
 wcssc@sbcglobal.net

PARSONS

Surendra Thakral, P.E.
 V.P. S.W. Business ph: 626-440-6263
 Development Manager cell: 626-483-3171

100 West Walnut, St. fax: 626-440-6337
 Pasadena, CA 91124
 surendra.thakral@parsons.com

A SUPPLIER OF PUMPS AND PROCESS EQUIPMENT

GABRIEL ZINK
 Sales Engineer
 Mobile 714 904-7487
 gabriel@cortechpumps.com
 Office 714 779-0911 Fax 714 693-1715
 1241 N. Lakeview Ave. Suite T Anaheim, CA 92807
 www.cortechpumps.com



2400 Broadway
 Suite 300 www.rmcwater.com
 Santa Monica, CA 90404
 310-566-6460 ph 310-566-6461 fax
 Innovative Solutions for Water and the Environment



AMIR SOLTANIEH

3010 FLOYD ST. ORANGE COUNTY OFFICE
 BURBANK, CA 91504-2599 PHONE (949) 855-0919
 PH. (818) 562-5282 FAX (949) 855-0929
 FAX (818) 842-3217

Interested in Becoming a Corporate Sponsor?
 Contact Pat McDaniel at
 800-900-6201 pmcdaniel@biocope.com

Sewer Leaks Editor

Wendy Wert
1955 Workman Mill Rd.
Whittier, CA 90601

LABS Board of Directors

President:	Patrick Griffith	(562) 908-4288 x-2117
Vice President:	Hala Titus	(213) 312-3330
Treasurer:	Ian Mackenzie	(310) 648-6134
Director:	Alec Mackie	(714) 428-4614
Director:	Pat McDaniel	(800) 900-6201
Director:	Wendy Wert	(562) 908-4288 x-2128
Past President:	Pei-Chin Low	(626) 568-6999

Address Changes

Please contact Marge Okabe at (310) 375-0448 or email labs-membership@earthlink.net

LABS Committee Chairs

Programs:	Hala Titus	(213) 312-3330
Newsletter:	Wendy Wert	(562) 908-4288 x-2128
Membership:	Marge Okabe	(310) 375-0448
WW Treatment & Reuse:	Mischelle Mische	(562) 908-4288 x-2488
Awards:	Pei-Chin Low	(626) 568-6999
TCP:	John Mays	(818) 778-4138
Supergroup:	Dan Gary	(310) 830-2400 x-5316
P3S Representative:	Bill Garrett	(562) 699-7411 x-2907
Collection Systems:	Pat McDaniel	(800)-900-6201
Public Education	Michael Simpson	(323) 342-6047
Operator Certification:	Francisco Ramirez	(310) 648-5857
Webmaster:	Miluska Propersi	(310) 566-6460
Young Professionals:	Amanda Schmidt	(310) 566-6460

CWEA Liaisons

CWEA Director:	Ann Heil	(562) 699-7411 x-2803
Southern CA Rep:	Constance Leonard	(213) 457-2162

SPECIAL EVENTS CALENDAR

Jul 8th CARB AB32 Workshop
www.arb.ca.gov/cc/scopingplan/meetings/meetings.htm

Jul 11th LEED US Green Building
Council Class www.usgbc.org

Jul 11th Edison Title 24 – What to
expect in 2009, Irwindale
www.sce.com/energycenters

Jul 24th LABS Training Event
www.labsofcwea.com

Aug 16th LABS YP Summer Event at
Hollywood Bowl
www.labsofcwea.com

www.projectpartners.com/ps/index.htm
www.ewb-la.org
<http://www.waterforpeoplela.com>
<http://www.wef.org/>
<http://www.cwea.org/>
<http://www.labsofcwea.com/>