

In This Issue:

- New LABS 2009 Board of Directors -----
- LABS April Meeting on the TIRE program -----
- LABS March Meeting on WQCMPUR -----
- LABS 2009 Southern Regional Safety Conference Announcement -----

**Editor's Note:**

This issue is the last issue we are distributing the *Sewer Leaks* via mail. Starting next month and all future editions will be sent to you via email if you have previously agreed to get publications via email from the California Water Environment Association (CWEA). If you have not agreed to get email from CWEA, you will continue to receive a paper copy. If you wish to receive a paper copy of the *Sewer Leaks*, please email Erika DeHollan at [edehollan@lacsdsd.org](mailto:edehollan@lacsdsd.org).



Top: LABS 2009 Board of Directors: Wendy Wert, Patrick Griffith, Hala Titus, Alec Mackie, Pat McDaniel, Ian MacKenzie.  
Below Left: Outgoing LABS President Patrick Griffith honored by past LABS president Pei-Chin Low.  
Below Right: Outgoing LABS President Patrick Griffith passing gavel to Incoming LABS President, Hala Titus.



**LABS April Dinner Meeting** By Wendy Wert

On April 23, 2009, the Los Angeles Basin Section (LABS) of the California Water Environment Association (CWEA) held their annual installation ceremony at the Monterey Hill Restaurant in Monterey Park. CWEA President Dave Greenwood led the event with a brief statement of CWEA's vision to advance knowledge and technology and in doing so enhance the professional status of all personnel working in the wastewater industry. Then, the incoming LABS Board of Directors were sworn in by the CWEA President Dave Greenwood in a pledge of service to the organization. The ceremony concluded with the Outgoing LABS President, Patrick Griffith announcing the new LABS president, Hala Titus. Patrick was also honored by past LABS president and current CWEA VP, Pei-Chin Low, for the services he's done as the president of LABS.

After the ceremony, LABS President Hala Titus introduced the keynote Speaker, Enrique C. Zaldivar, P.E, Director, Bureau of Sanitation (BOS) City of Los Angeles Department (City) of Public Works. Mr. Zaldivar's presentation provided an update on the TIRE program. A significant development since the previous presentation is the listing of the program as a semi-finalist for a national award. The TIRE demonstration project has been operational since August 2008, and is currently demonstrating and innovative technology that shows promise in the conversion of biosolids into clean energy by deep well injection and geothermal biodegradation. The City has received a 5-year permit from the U.S. EPA to evaluate the viability of injecting biosolids deep underground. This is the first project of its kind in the United States.



The demonstration project is investigating the adaptation of existing petroleum industry technology to convert biosolids into a new source of alternative energy that helps to reduce the greenhouse gases and in doing so potentially reduce the regions contributions to climate change. The technology is injecting slurry mixtures of treated, non-hazardous, municipal biosolids and water into a highly permeable unconsolidated sandstone formation at the Terminal Island Treatment Plant. Multiple injection and monitoring wells have been drilled into weakly consolidated, highly permeable sand formations at depths ranging from 3,800 to 5,300 ft. Up to 400 tons per day of biosolids are injected, using technology optimized for solid waste slurry injection. Deep well injection is scheduled to continue for a period of 5 years. The demonstration project includes extensive field monitoring and sampling from the offset monitoring wells to quantify slurry placement, biodegradation rates, carbon dioxide and methane separation, carbon dioxide sequestration and saturation in formation brine, and free gas migration and production.

Mr. Zaldivar concluded by stating that preliminary results appear promising and summarizing the next steps in this on-going research as follows:

- Document Phase I Results. This includes the EPA Quarterly Report, City Quarterly Report, City and EPA Phase I Summary Report (9-mos).
- Replace pump system early May (higher quality, more reliable, and higher rate eventually).
- Perforate monitoring well and collect samples.
- Drill 3rd well during summer
- Execute partnership agreement for remainder of EPA demonstration phase (48 months).

## **LABS March Dinner Meeting** By Dan Gary

At the March LABS meeting, Reza Iranpour, Hubertus Cox and Ryan Thiha of the City of Los Angeles, Bureau of Sanitation, Watershed Protection Division spoke about the City of Los Angeles Water Quality Compliance Master Plan for Urban Runoff (WQCMPUR). Prior to the presentation David Greenwood, CWEA president, spoke about one of the primary objectives of CWEA: to enhance the education and effectiveness of industry professionals through training and certification; and the importance of local sections.



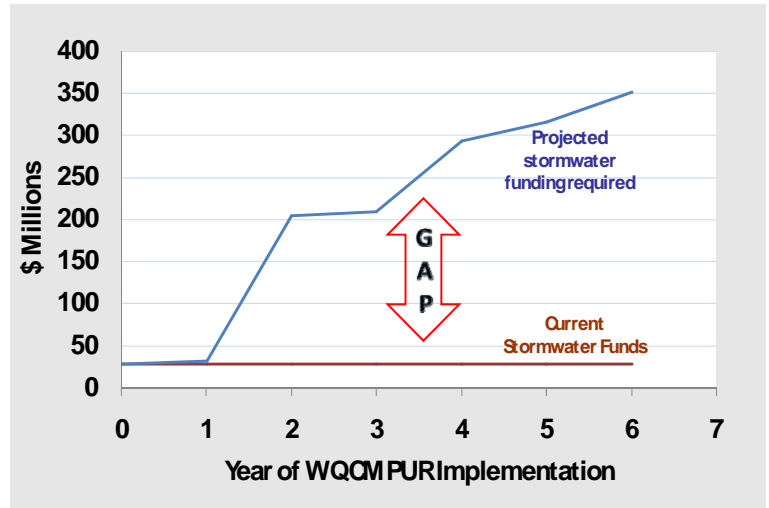
Attendees watch the presentation, CWEA President Dave Greenwood, Speaker Reza Iranpour, Speaker Hubertus Cox, Speaker Ryan Thiha (left to right)

The WQCMPUR outlines the City's strategy in achieving Clean Water Act standards as well as compliance with all urban runoff regulations and mandates over the next 20 to 30 years. The WQCMPUR was completed in early 2009 and discusses: pollutants of concern in the City by type and location; water quality data and data gaps; present efforts to reduce urban runoff pollution; future strategies to meet current and emerging water quality regulations as specified in the NPDES Municipal Separate Storm Sewer System (MS4), Permit and Total Maximum Daily Loads (TMDLs); and estimated costs for implementation of the WQCMPUR and potential sources of financial support. Reza explained that the WQCMPUR was developed in partnership with stakeholders from the public, environmental organizations, local municipalities and regulators including the Los Angeles Regional Water Quality Control Board (LA-RWQCB). The stakeholders expressed a strong preference for urban runoff management using a multi-benefit approach focusing on green and natural solutions, Low Impact Development, and stormwater use for infiltration, irrigation and groundwater recharge.

Now that the plan has been developed the next step is implementation. Major challenges to implementation fall into three categories (1) geographical, (2) jurisdictional, and (3) regulatory. The City of Los Angeles is located in four watersheds with different features with respect to land-use. The topography and climate of the area cause extreme variations in flow between the dry summer months and wet winter months. Water quality regulations cross jurisdictional boundaries, therefore, a watershed-wide approach to compliance requires all cities and agencies in a watershed working together.

The LA-RWQCB has currently adopted 14 TMDLs for receiving waters with impairments. The City expects over 60 TMDLs in the four watersheds by 2012. Sources of the impairments include: trash and debris, pathogens and indicator bacteria, metals, nutrients, organics, toxic chemicals, algae, odors, pH, oil and grease, and sediments. The speakers presented highlights of the City's three-pronged approach, focusing on the strategic guidelines and action plans for water quality management, citywide collaboration, and outreach. The speakers demonstrated the strategies through several case studies such as catch basin inserts and screens, Bimini Slough, Oros Street, and Vista Hermosa Park, featuring sustainability designs with source control, infiltration, stormwater use, water reuse, drought tolerant landscaping, and green roofs.

Currently, the City allocates about \$28 Million for its Watershed Protection Program, however, implementation of the WQCM PUR is expected to cost about \$7-9 Billion over the next 20 years. The implementation of many activities in the WQCM PUR depends on additional resources to cover the funding “GAP” shown. The WQCM PUR has identified a prioritized listing of current and future programs and projects, scheduled for the next ten years. The City of Los Angeles is currently evaluating several options for additional funding.



Vista Hermosa Park (lt) Graph showing the gap in funds needed to implement the program (rt)

# Doing More With Less



**Thursday, May 21st**  
**8:00am - 4:00pm**  
**LACSD Headquarters, Whittier**



## Meeting the challenges of today's economy. Topics at this 1 day CWEA seminar include:

- Cost Savings Collection Systems
- Manager's Guide to Sustainability & Asset Mgmt
- An Evaluation of Disinfection Technologies and Cost Effective Solutions
- A Megawatt Saved is \$1 Million Earned: LACSD's Energy Efficiency Management Program
- Making the Most of Your Sewer Inspection Dollars — The City of Downey's Collection System Assessment Program
- Antelope Valley RW Program - Beneficial Use of a Local Resource

**Register today at [www.cwea.com/conferences](http://www.cwea.com/conferences)**

**[www.cwea.com/conferences](http://www.cwea.com/conferences)**

Contact Hours • Exhibitors • Certification • Plus Big Door Prizes!

**Topics:**

- Tapping into Insurance
- Hazardous Energy Control
- Confined Space Entry
- Lab Safety
- Heat Illness
- CalOSHA
- Traffic Control
- Collection System Nightmares
- And more!
- Help support CWEA safety training



**Thursday, June 4th**  
**7:00am - 4:00pm**  
**Carson Center**  
 801 E. Carson St., Carson



**2009 Southern Regional  
 Safety Conference**

**Register today at [www.labsofcwea.com](http://www.labsofcwea.com)**

<b>Exhibitors</b>	 <a href="http://www.cavcominc.com">www.cavcominc.com</a>	 <a href="http://www.cec-h2o.com">www.cec-h2o.com</a>	
			
			

**12 5 booths left - call Alec to reserve your booth (714) 428-4614**

CWEA and its Board, members and volunteers are not responsible for the actions of speakers or the contents of their papers, and no endorsement is implied or given of any persons or their philosophies, ideas or statements; nor of any products or processes; nor of any organizations or companies who volunteer to serve as speakers at the conference or exhibitors who purchase display space in the exhibit.



# 2009 LABS SPONSORS

Help sponsor LABS  
for only \$120/year.  
Contact Alec Mackie  
(714) 428-4614  
alecm@jwcea.com



[www.aecom.com](http://www.aecom.com)

**Reymundo Trejo**  
300 S. Grand Ave. , 2nd Fl  
Los Angeles, CA 90071  
reymundo.trejo@aecom.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: [www.RUECKCO.com](http://www.RUECKCO.com)

**Pumps • Parts • Systems • Repairs • Rentals**



[www.biocope.com](http://www.biocope.com)

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



[www.bv.com](http://www.bv.com)

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



[www.coombshopkins.com](http://www.coombshopkins.com)

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

**Supplier of Pumps and Process Equipment**



[www.cortechpumps.com](http://www.cortechpumps.com)

**Gabriel Zink**  
Sales Engineer  
1241 N. Lakeview Ave. Ste T  
Anaheim, CA 92807  
gabriel@cortechpumps.com  
Office 714 779-0911  
Mobile 714 904-7487



**We're Your Sensor Guys!**  
(818) 772-8720 Fax (818) 772-2477  
email: [sales@sensorguys.com](mailto:sales@sensorguys.com)  
[www.sensorguys.com](http://www.sensorguys.com)



**Amir Soltanieh**  
3010 Floyd St.  
Burbank, CA 91504  
Ph.: (818) 562-5282  
Fax: (818) 842-3217

Orange County Office  
Ph. (949) 855-0919  
Fax (949) 855-0929



[www.goldenbellproducts.com](http://www.goldenbellproducts.com)

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

**Environmental, Health & Safety • Training & Consultation • HR**



**Marjorie Boone**  
Office: (714) 245-9440 x104  
Fax: (714) 245-9443

PO Box 25704  
Anaheim, CA 92825  
mboone@joshuacasey.com



Industrial and Municipal Water and Waste Treatment Systems  
6739 So. Washington Ave./PO Box 469/Whittier, CA 90608-0469  
(562) 945-3425 Fax (562) 693-5257

**Patrick F. Kennedy** [pfk@calencon.com](mailto:pfk@calencon.com)



[www.cec-h2o.com](http://www.cec-h2o.com)

WATER  
AND WASTEWATER  
ENGINEERED SYSTEMS  
SEWAGE LIFT STATIONS  
SELF PRIMING / SUBMERSIBLE

**Represented by:**  
**California Environmental Controls**  
562-945-3425



# 2009 LABS SPONSORS

Help sponsor LABS  
for only \$120/year.  
Contact Alec Mackie  
(714) 428-4614  
alecm@jwce.com



*Engineering Excellence  
in Water & Envirostructure*

[www.lee-ro.com](http://www.lee-ro.com)

**Dhiru Patel, P.E.**  
Vice President  
1199 S. Fullerton Rd.  
City of Industry, CA 91748  
ph: 626-912-3391, x209  
fax: 626-912-2015  
dhiru-p@lee-ro.com



[www.marcabcoinc.com](http://www.marcabcoinc.com)

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



[www.miscowater.com](http://www.miscowater.com)

**Chris McCampbell**  
27101 Burbank, Suite B  
Foothill Ranch, CA 92610  
(949) 458-5555  
(949) 458-5500 Fax  
cmccampbell@miscowater.com

Muffin Monster®  
Auger Monster®  
Honey Monster® septage receiving  
Finescreen Monster®  
Bandscreen Monster®  
Drumscreen Monster®  
Screenings Washer Monster®  
Represented by Misco Water



[www.jwce.com](http://www.jwce.com)



[www.mwhglobal.com](http://www.mwhglobal.com) • [joseph.a.wojlaw@mwhglobal.com](mailto:joseph.a.wojlaw@mwhglobal.com)

**Joseph A. Wojlaw, P.E.**  
Vice President  
618 Michilinda Ave. Ste. 200  
Arcadia, California 91007  
ph: 626-796-9141  
Direct: 626-568-6194  
Fax: 626-568-6101



[www.pacificprocess.com](http://www.pacificprocess.com) • [lgordano@pacificprocess.com](mailto:lgordano@pacificprocess.com)

**Lou Giordano**  
1146 N Central Ave. Ste 123  
Glendale, CA 91202  
ph: 818-500-9495  
cell: 818-489-8450  
fax: 818-500-9799



Surendra Thakral, P.E.  
VP SW Business Development Manager  
100 West Walnut, St. Pasadena, CA 91124  
[surendra.thakral@parsons.com](mailto:surendra.thakral@parsons.com)

ph: 626-440-6263  
cell: 626-483-3171  
fax: 626-440-6337  
[www.parsons.com](http://www.parsons.com)



[www.rmcwater.com](http://www.rmcwater.com)

2400 Broadway Ste. 300  
Santa Monica, CA 90404  
310-566-6460 ph  
310-566-6461 fax

*Innovative Solutions for  
Water and the Environment*



[www.sancon.com](http://www.sancon.com)

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



Lic. 686371

**Steven Stump**  
17631 Metzler Lane  
Huntington Beach, CA 92647

ph: 714-847-1317  
fax: 714-847-6907

[www.ssmechanical.biz](http://www.ssmechanical.biz)



Donald G. Rosenberg & Associates

[solu2pollu@aol.com](mailto:solu2pollu@aol.com)

**Donald G. Rosenberg**  
Principal  
6442 Coldwater Canyon  
Suite 101  
North Hollywood, CA 91606  
ph: 818-508-4523  
fax: 818-508-6126



[www.wecklabs.com](http://www.wecklabs.com)

**Leo Raab**  
Director of Marketing  
14859 East Clark Avenue  
City of Industry, CA 91745  
Tel 626-336-2139  
Cell 805-760-4548  
Fax 626-336-2634  
Fax 805-435-1654  
[leo@wecklabs.com](mailto:leo@wecklabs.com)