



January 2012 Sewer Leaks
A Publication of the Los Angeles Basin Section of the CWEA

In This Issue:
--Water Reuse in Southern California--
--LABS Feb. Dinner Meeting Announcement: Outfall Tunnel for L.A. County San. Districts--
-Biosolids Reporting Workshop February 1--

LABS AWARDS BANQUET

Saturday January 21

Queen Mary

1920s Theme: Top Prizes for Best Dressed

RSVP with Meal Choice by January 13 to Wendy Wert, wwert@lacsd.org or 562 908 4288

Meal Choice Options:

1. Grilled Chicken
2. Steak with Bourdeaise
3. Vegetarian

Dessert and Coffee

No Host Bar

Hosted By

Hala Titus, Black and Veatch

Wendy Wert, LACSD

1126 Queens Highway, Long Beach

6:00 PM Drinks

7:00 PM Dinner

Pay at the door cash/check

\$50 LABS Member

\$60 Non-Members

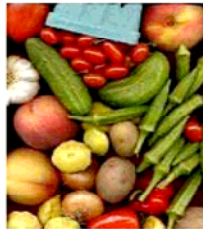
Parking: \$12



CWEA One Day Specialty Workshop

See CWEA or LABS website for enrollment in the specialty workshop

Biosolids: Energizing Your Gas Production. FOG and Food Waste Co-Digestion Workshop



Southern California
Wednesday, January 18, 2012
City of LA Hyperion WTP
12000 Vista Del Mar
Playa del Rey, CA 90293

BIOSOLIDS REPORTING WORKSHOP

February 1, 2012

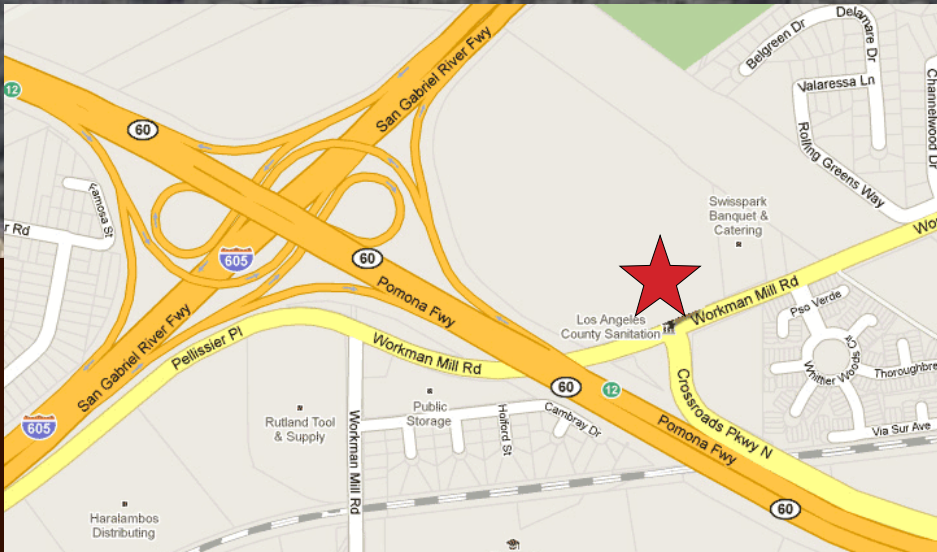
See Page 2

Presented by Lauren Fondahl, EPA Region 9



Biosolids Rules & Tools

**Presenter: Lauren Fondahl,
Biosolids Coordinator, EPA Region 9
Wednesday, Feb. 1, 2012 • 11am - 2pm**



Are You Reporting Correctly?

Mistakes can be made when reporting biosolids reuse or disposal. These mistakes can range from incorrect entries to misunderstanding the reporting requirements. This seminar will present an overview of the current regulatory compliance aspects for biosolids tracking, monitoring, record-keeping, and reporting requirements.

Tracking requirements will describe the responsibilities associated with several biosolids management practices, such as land application, composting, and disposal. Monitoring requirements for various biosolids management practices will be discussed, including sampling and analytical methods, frequency, and holding times.

\$10 members, \$15 non-members, \$5 students

Lunch:
Deli Sandwich Buffet
Selection of sandwiches, chips, cookies and drinks.

RSVP:
alecm@jwce.com
RSVP by 1/27 please.
Questions? Please call **Basil Hewitt**
562-908-4288 x2311

Location:
Sanitation Districts of Los Angeles County
Conference Rooms E & F
1955 Workman Mill Road
Whittier



WEF Workshop Highlights Water Recycling in Los Angeles

On October 16, 2011 WEFTEC 2011 kicked off with a Water Reclamation and Reuse workshop titled *Mastering the Balance Between Planning, Water Quality, and the Carbon Footprint of Alternative Water Supplies*, organized by Dr. Terri Slifko of the Los Angeles County Sanitation Districts. The first speaker, Dr. Cathy Chang of the Water Replenishment District of Southern California, titled her speech *Conquering the Divide: Reclaimed Water and Potable Groundwater*. Dr. Chang reviewed the world's global water situation: 97% of the world's water is in the oceans and most of the 3% freshwater is in the icecaps and glaciers (68.7%), another portion is located in groundwater basins (30.1%) leaving only 0.3% available as surface water. In 2005, there were approximately 1,500 water reuse facilities in the US responsible for recycling approximately 5% (2.5 billion gallons per day) of the water reclamation plant effluent. Four states (Arizona, California, Florida, and Texas) account for 90% of recycled water use in the US. According to the US Environmental Protection Agency (EPA) *recycled water can satisfy most water demands as long as it is adequately treated to ensure water quality appropriate for the intended use*. In addition, *there have been no documented cases of human health problems due to contact with recycled water treated to standards criteria and regulations*.

The California State Water Board's new Recycled Water Policy (2009) recognized water shortage problems and benefits of the recycled water to help make up this deficit. The goal of the policy is to increase recycled water use by a million (M) acrefeet per year (afy) by 2020, then by 2 M afy by 2030, and substituting as much recycled water for potable water as possible by 2030. Southern California has developed several groundwater recharge programs that contribute to this goal. These programs resulted in a total of over 1.5 M-af of total recharge to the Central and West Coast groundwater basins since 1962.

Speakers Earle Hartling and Monica Gasca presented a *Water Cycling Perspective* from case studies of the Los Angeles County Sanitation Districts. The Sanitation Districts have recycled water capacity of 190 MGD. Mr. Hartling compared water-supply energy requirements for differing sources and treatment levels of recycled water. California Title 22 tertiary water requires 450 kilowatt hours per acre feet (kWh/af), reverse osmosis recycled water requires 1,250 kWh/af, State Water Project requires 3,000 kWh/af, and ocean desalination requires 4,700 kWh/af. The Sanitation Districts currently produces Title 22 tertiary water that is beneficially reused for groundwater recharge (58.6%), landscape irrigation (16.3%), agricultural irrigation (13.6%), environmental benefits (8.7%), and industrial application (2.8%).

Since 1962 Montebello Forebay Groundwater Recharge Project has been used for successful reuse for the Sanitation Districts. The Montebello Forebay Project is a surface spreading operation using about 50,000 afy for indirect potable reuse. Recharge through this facility supplies 40% of the water demand for a population of 3 million. The permit for this facility was amended in April of 2009 with blending requirement of not to exceed 35% recycled water sources as a 5 year average. Additional treatment is provided during recharge in the form of soil aquifer treatment (SAT). Challenges include operational constraints, permitting constraints, emerging contaminants, and public perception. Millions have been spent on health effects studies, which include: the 1984 Health Effects Study, the 1996 Rand Epidemiologic Assessment, the 1999 Rand Birth Outcomes Study, SAT for Sustainable Water Reuse Project, and Pathogen Work. Future plans for the Montebello Forebay Project include additional health studies, recycled water tracer studies, alternatives to use of TOC as surrogate, emerging contaminant monitoring, emerging contaminant fate and transport, public outreach and increased recharge.



Montebello Forebay Spreading Grounds

AEE Invites you to a Lunch and Learn Seminar at LACSD on Wednesday, February 15, 2012

Deadline for Applications March 31, 2012

To find out more about the Academy please join us for an informative seminar at the Sanitation Districts in Whittier on **February 15, 2012** in Conference Rooms E and F from **11:30 to noon**.

Recognize

Additional resources are available at aee.net under Membership tab at the top of the homepage.

Specialized Expertise

Board Certification through the Academy (BCEE or BCEEM) distinguishes the Environmental Engineer in much the same way as a physician's board certification serves to recognize the development of specialized expertise.

Collaborate

Expand Your Knowledge Base

Agencies involved in the Academy benefit from the exchange of ideas with Environmental experts throughout the United States. The Academy hosts a variety of seminars, tours, and workshops. For example in 2011 the Academy hosted "GMs Pioneer Recycled Water in SoCal" seminar and tour at the Orange County Water District, which allowed environmental professionals to share strategies from international award winning programs.

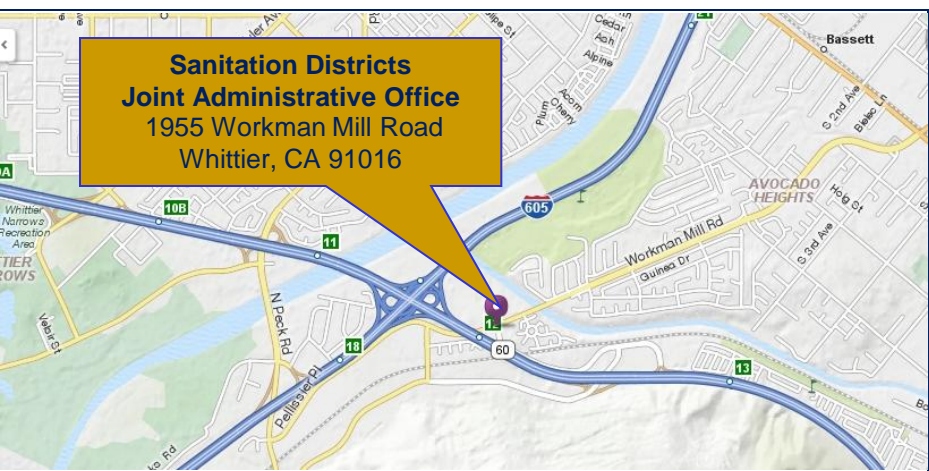


Lunch and Learn

The best investment that Agencies can make during this economic recovery cycle is in their high performing staff.

Encourage Experts to Join

Most of us joined the Academy because someone we respected encouraged us to do so. As an Agency leader you can benefit from the resources available through the Academy by encouraging eligible candidates to pursue board certification.



**Sanitation Districts
Joint Administrative Office**
1955 Workman Mill Road
Whittier, CA 91016

Academy Representatives Mike Selna and Wendy Wert will be on-site to provide an overview of the Academy's programs, answer your questions, and support your application process.

Please feel free to bring your lunch to this informal event and enjoy it during the presentation and subsequent question and answer session. All are welcome. We hope to see you there!



LACSD's Clearwater Program: More Than Tunnel Vision



The presentation by **David Haug, LACSD Senior Engineer**, will provide an overview on the progression of the Districts' Clearwater Program and focus on the technical aspects of the four tunnel alternatives being evaluated in the EIR/EIS. **\$40 members, \$45 non-members, \$20 students**



Thursday Feb. 23rd
6PM Mixer • 7PM Dinner

Dinner:

- 1. Salmon
 - 2. Chicken
 - 3. Vegetarian pasta
- Coffee and cheesecake for dessert

RSVP:

RSVP by 2/16 with meal choice to:
alecm@jwce.com
 Or call 714-428-4614

Location:

Proud Bird
 11022 Aviation Boulevard
 Los Angeles, CA 90045
 (310) 670-3093





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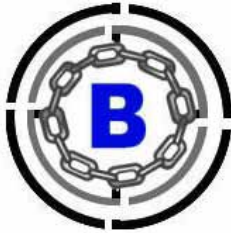
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Supergroup:	Dan Gary	(310) 830-2400 x-5316
P3S Representative:	John Boyd	(562) 760-6125
Collection Systems:	Michael Flores	(310) 566-6460
Public Education	Michael Simpson	(323) 342-6047
Operator Certification:	Francisco Ramirez	(310) 648-5857
Webmaster:	Miluska Propersi	(310) 566-6460
Young Professionals:	Nicole You	(323) 342-6265
Outreach Coordinator:	Erika DeHollan	(562) 908-4288 x-2836

CWEA Liaisons

CWEA Board Liason:	Debra Bogdanoff	(562) 908-4288 x-2734
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SPECIAL EVENTS CALENDAR

Jan 18	Biosolids Workshop; El Segundo. www.labsofcwea.com
Jan 21	LABS Awards Banquet;, www.labsofcwea.com
Jan 26 ^t	CWEA SRC meeting/ Adv. Water Purification Demonst. Project Tour; San Diego, www.cwea.org
Feb. 1	Biosolids Reporting Workshop. Whittier. See page 2 of newsletter
Feb. 15	AAEE Workshop, Whittier. See page 4 of newsletter
Feb 23	LABS Dinner Meeting. See Page 5 of newsletter

HAVE AN IDEA FOR LABS TRAINING?

Send your presentation, seminar or training ideas to alecm@iwce.com for consideration

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