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**CWEA**  
**Southern Section Collections**  
**Systems Committee**



**Collections Workshop**

**Wednesday, March 17<sup>th</sup>, 2010**  
**Eastern Municipal Water District**  
**Perris, CA**

~ Earn CWEA Contact Hours ~

**Workshop Topics:**

- Pump Stations 101
- Nozzle Technology & Cleaning Techniques (hands-on)
- Sanitary Sewer Overflows
- Hydro-Excavation (hands-on)

Please visit [www.sscsc.org](http://www.sscsc.org) to download a registration form or contact Rick Jackson at (951) 427-9961 for more information.

**CWEA**

**Wastewater Quality Workshop**

Don't miss this opportunity for training and reference materials from renowned experts in the Wastewater Industry

**Monday, March 22<sup>nd</sup>, 2010**

Hyperion Treatment Plant  
 Playa Del Rey, CA

**Workshop Speakers:**



**Dr. Davis Ford**  
 (Text Author)

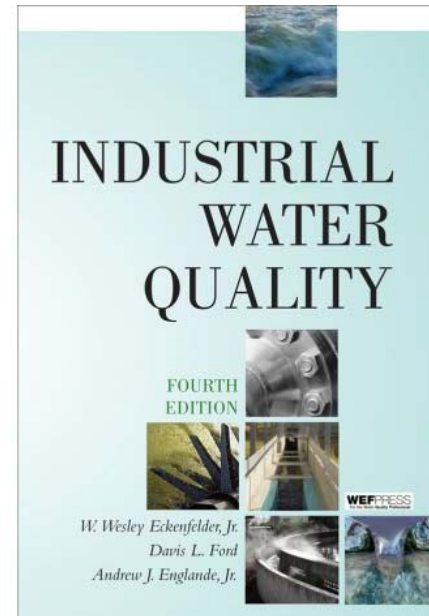


**Dr. David Jenkins**



**Dr. Michael Kavanaugh**

**The Industrial Water Quality Reference Textbook**  
 a \$160 value is included with Registration



Register online at [www.cwea.org/conferences](http://www.cwea.org/conferences)

## **CWEA Biosolids One-Day Specialty Conference** *By Wendy Wert*

On January 26, 2010, the California Water Environment Association (CWEA) Biosolids Committee hosted a specialty conference “Understanding Future Regulatory Trends and Impacts on Biosolids Management in California” at the Los Angeles Sanitation Districts Joint Administration Office in Whittier. This one-day biosolids specialty conference consisted of a series of technical presentations separated by interactive discussions between leading experts and attendees.



The conference began with CWEA Biosolids Committee and Conference Chair, Jon Hay’s opening remarks (shown on left), which highlighted the overall goal of the training: to improve knowledge of and compliance with CA regulatory requirements, promote “Best Management Practices” for beneficial use, and encourage resource stewardship and environmental protection. He also described the specific objectives of the conference as follows: understand local and national trends, encourage information exchange and networking and “raise the bar” for the biosolids industry.

The first featured speaker, Jerrod Ramsey-Lewis, then gave the State Water Resources Control Board’s (SWRCB) perspective with a *Biosolids The General Order and Other Regulatory Issues*. Jerrod reviewed the complex biosolids regulation relationships here in California and explained the efforts of the SWRCB to streamline this regulatory puzzle. In 2004 the SWRCB adopted Programmatic EIR and Statewide General Orders (GO). *The beneficial use of biosolids through land application under the General Order is environmentally sound and preferable to non-beneficial disposal*. As we look toward the future, Jerrod compelled the biosolids community to embrace the “Resource Cycle” way of thinking. The SWRCB is generally supportive of innovative measures to reuse resources.



Speaker Greg Kester continued the regulatory discussion with a presentation for Ken Decio of the Department of Resources, Recycling, and Recovery (CalRecycle) titled *California Composting and Alternative Daily Cover Rules for Biosolids*. Greg provided an overview of the primary governing regulations contained in the California Code of Regulations (CCR). Greg also reviewed some interesting new developments related to the structure of the California Integrated Waste Management Board (CIWMB) that came into effect on January 1, 2010. In summary, the changes are primarily administrative; functions are expected to remain the same.

Speaker Liz Ostoich then moved the discussion from the regulatory basis of design to a “lessons learned” presentation titled *Building a Successful Regional Project*. Liz provided case studies that illustrated “what went wrong” and “what went right”. For example, Temescal Canyon open windrow composting facility resulted in dashed expectations from customers, opposition from the community, grief from the regulators and increased costs that are not recoverable. Whereas, South Kern aerated static pile composting facility is a glowing success as demonstrated by a letter of community support from Taft College to their Senator. Liz



explained the factors that lead to success include a change in attitude, selecting a remote location, recognizing that “sustainability” comes at a price, applying high end proven technologies, and applying essential mitigation measures such as odor control, water protection, emission reduction and conservation of resources.

Speaker Mark Lawler presented another regional success story titled *Biosolids Drying and Electric Generation Facility*. Mark explained that the Ventura Regional Sanitation District (VRSD), an enterprise public agency organized in 1970 has developed a cost effective regional solution for Ventura County biosolids management. Prior to this project, 90% of the biosolids produced in the county were exported. Now the facility processes approximately 60% of the biosolids produced in the county. The project consists of two 80 ton/day Fenton batch dryers, eleven trailers, and a gas conveyance and cleaning system. Green energy is recovered by nine microturbines with a total of 2.25 MW of power capacity. Mark reported that the cost to process biosolids at this facility is \$42/wet ton or \$52/wet ton including hauling costs. The total construction cost of the facility was \$19 million.



Speaker Jeff Ziegenbein presented another regional success story titled *Inland Empire Regional Composting Facility (IERCF)*. This successful regional resource recovery solution is the result of a partnership between the Inland Empire Utilities Agency (IEUA) and the Sanitation Districts of Los Angeles County (LACSD). The project need was established by the South Coast Air Quality Management District, which requires all composting activities to be performed in “fully enclosed” buildings. Operation of this largest fully enclosed composting facility in the United States began in April of 2007. The facility receives 590 tons per day of biosolids from IEUA and LACSD. The fully enclosed facility encompasses an area of 10 acres. Emissions from the process are controlled through a 3.1 acre biofilter, which is also the largest in the United States. Innovative energy recovery features of the facility include solar panels located on the roof that result in 1 MW capacity.

Other presenters covered several related topics and innovative regional solutions, as follows:  
 Kevin Hardy, Encina Biosolids Heat Dryer Case Study;  
 Ray Kearney, Rialto Slurry Carb™ Case Study;  
 Layne Baroldi, Air Quality Regulations;  
 Omar Maghaddam, City of LA Biosolids Slurry Project TIRE Case Study;  
 Patrick Griffith, Greenhouse Gas Emission Reduction Strategies.

Matt Bao of LACSD summed up the theme of the event in his presentation when he stated that the key to a successful biosolids management program is Diversity, Diversity, Diversity! Overall, the conference greatly enhanced the understanding and knowledge of the complex and changing California biosolids regulatory climate, shared keys to success and lessons learned when siting biosolids management facilities, and presented case studies illustrating successes and challenges for regional resource recovery solutions. This unique learning opportunity fulfilled CWEA’s mission to train and disseminate technical information to wastewater professionals.

All the presentations are available for download in PDF format on the LABS website:  
[www.labsofcwea.com/presentations-2010-cwea-biosolids-conference/](http://www.labsofcwea.com/presentations-2010-cwea-biosolids-conference/)



## Young Professionals Committee Event: Los Angeles-Glendale Water Reclamation Plant Tour *By Amanda Schmidt*



Over thirty young professionals attended the Los Angeles-Glendale Water Reclamation Plant (LAG) tour on January 26, 2010. Mr. Hiddo Netto from the City of Los Angeles provided an overview of the City of Los Angeles' wastewater treatment plants and LAG's role in the overall system.

Mr. David Bianchi, Senior Operator at LAG provided an overview of the treatment process.



LAG is in essence a scalping plant; solids and sludge are wasted back to the sewers and sent to Hyperion WWTP in El Segundo. Flows not treated by the Tillman WRP in Van Nuys, is sent to LAG for treatment. LAG provides primary, secondary and tertiary treatment including nitrification /denitrification. Tertiary water is treated using sand and anthracite deep bed filters and disinfected using sodium hypochlorite.



The recycled water generated at the plant is split 50/50 between City of LA and Glendale. From the plant recycled water is pumped to the City of LA and Glendale's recycled water system for uses at golf courses, cemeteries, and parks. Recycled water not distributed is discharged to the Los Angeles River. After the tour, attendees enjoyed lunch and participated in discussions about the plant.

The Young Professionals Committee plans to have quarterly events to encourage young professionals from all backgrounds (operators, engineers, lab technicians, etc.) to get involved in LABS.

***Keep an eye out for our next event in May 2010!***



### *We need your help!*

Interested in getting involved in Young Professionals activities at the Local or State Level? Contact Amanda Schmidt at [Aschmidt@rmcwater.com](mailto:Aschmidt@rmcwater.com)



THE L O S A N G E L E S B A S I N S E C T I O N O F C W E A  
 HOSTS A DINNER AND TRAINING MEETING



## In Sight and Mind...Engaging the Community At All Levels The Arab American Association of Engineers & Architects: Mission and Activities in Los Angeles

**Thursday, March 25, 2010**

**--Guest Speaker--**

**Adel Hagekhalil – PE., BCEE; Assistant Director, City of Los Angeles BOS**

Mr. Hagekhalil is a registered civil engineer with the State of California and a national Board Certified Environmental Engineer. Adel is currently an Assistant Director with the City of Los Angeles Bureau of Sanitation where he is responsible for the Bureau's wastewater collection system management, storm water and watershed protection program, water quality and TMDL compliance, and facilities and advance planning.

Under his direction, the City has prepared an award winning Water Integrated Resources Plan (IRP) for the year 2020 which relies on public input and participation and integrates water supply, water reuse, water conservation and stormwater management with wastewater facilities planning through a regional watershed approach. Adel has managed the collection system spill control program and led the implementation of the collection system planning efforts leading over 76% reduction in sewer spills. Adel has extensive experience in infrastructure assessment, planning, modeling upgrading, and funding. Adel has published numerous technical papers and participated in various technical conferences and committees. He is currently a Board member with the National Association of Clean Water Agencies (NACWA), a member of the American Academy of Environmental Engineers and a member of the Water Environment Federation's (WEF).

### **Wahibs Middle East Restaurant**

----- **Cross Streets: Between Valencia Street/Granada St see map below** -----

**Dinner is at 6:30; presentation at 7:15. Join us at 6:00 for the mixer!**

### **Dinner Menu:**

Meals includes the following:

6 Appetizers: Humus, Mutabal, Tabouli, Kibbeh Balls, Falafel, Spinach Pie, and Salad

Main Course: Chicken, Ground Beef, Lamb, Beef Kebob and Rice.

**RSVP By Wednesday, March 10<sup>th</sup>**

RSVP to Hala Titus by e-mail (preferred method) at [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



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**James H. Clark, P.E.**  
Vice President  
800 Wilshire Blvd. #600  
Los Angeles, CA 90017  
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**Amir Soltanieh**  
3010 Floyd St.  
Burbank, CA 91504  
Ph.: (818) 562-5282  
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**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



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**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

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

**Donald G. Rosenberg**  
Principal  
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## Sewer Leaks Editor

Alice Kuo  
1955 Workman Mill Rd.  
Whittier, CA 90601

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### CWEA Liaisons

CWEA Director:	Ann Heil	(562) 699-7411 x-2803
Southern CA Rep:	Debra Bogdanoff	(562) 908-4288 x-2734

### SPECIAL EVENTS CALENDAR

March 17 <sup>th</sup>	CWEA Collections Committee Workshop; Perris; <a href="http://www.sscsc.org">www.sscsc.org</a>
March 22 <sup>nd</sup>	CWEA Industrial Wastewater Specialty One-Day Conference; Playa Del Rey; <a href="http://www.cwea.org/conferences">www.cwea.org/conferences</a>
March 24 <sup>th</sup>	SYPC Specialty Conference – Planting a successful future; Anaheim; <a href="http://www.cwea.org/conferences">www.cwea.org/conferences</a>
March 25 <sup>th</sup>	LABS March Dinner Meeting; Alhambra; <a href="mailto:TitusH@bv.com">TitusH@bv.com</a>
April 20 <sup>th</sup> ~ 23 <sup>rd</sup>	CWEA Annual Conference; Sacramento; <a href="http://www.cwea.org/conferences">www.cwea.org/conferences</a>

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