



----- July 2007 LABS Dinner and Training Meeting -----  
 ----- CWEA Launches 2<sup>nd</sup> Round of WDR SSO Training -----  
 ----- California Resource Recovery Association Annual Conference in San Pedro -----  
 ----- CWEA Annual Conference Abstract Submission Deadline is August 7, 2007 -----  
 ----- See Page 7 for LABS Past Presidents Summer Event -----

August 2007: SEWER LEAKS – A Los Angeles Basin Section of the CWEA Publication



Major Components of the City of LA's Collection System: Major interceptor sewer (above left) Hydraulic model of drop structure (above center) Pumping plant (above right). Map of the City of LA's Collection System (below)



On July 26, 2007 the Los Angeles Basin Section (LABS) of CWEA hosted a training meeting at Sambi of Tokyo Restaurant in Downey. The City of Los Angeles operates and maintains the largest wastewater collection system in the United States. More than 6,700 miles of sewers connect residences and businesses to the City's wastewater treatment plants. About 450 million gallons per day flow through this system, which serves over four million people in a 600 square mile service area that includes Los Angeles and 29 contracting cities and agencies. Renown guest speaker Adel Hagekhalil discussed management issues associated with this complex system.



Adel Hagekhalil describes the City of Los Angeles' successful win-win partnership to a full house

Adel Hagekhalil, has over 18 years of experience in the area of civil and environmental engineering. Adel currently serves as a division manager with the City of Los Angeles' Bureau of Sanitation where he is responsible for the overall wastewater facilities advance planning and engineering activities. Under his direction, the City has just completed an award-winning 20-year integrated water resources plan (IRP). Adel is managing the implementation of the IRP, the City's collection system settlement agreement and the collection system condition assessment and capital improvement planning efforts. Adel has published numerous technical papers, received many awards, and participated in various conferences and committees.

At the meeting, Mr. Hagekhalil shared knowledge through discussion of successful examples such as the City's collection system management efforts that include a strong commitment to protect the public health and environment, and innovative win-win partnerships. These partnerships include various City offices, regulators, environmental organizations and community groups.

In August 2004, the City of Los Angeles entered a Collection System Settlement Agreement (Settlement Agreement) with the United States Department of Justice and the United States Environmental Protection Agency. The primary intent of the Settlement Agreement is to reduce sanitary sewer overflows (SSOs).

Three years after reaching the landmark Settlement Agreement with the USEPA, the LA-RWQCB and the Santa Monica Baykeeper, the City has achieved watershed progress as shown by a 70 percent reduction in sewer overflows. This was accomplished through a comprehensive sewer improvement program. Mr. Hagekhalil discussed the elements of the agreement and the City's program.

The rehabilitation and replacement program began with the following four initiatives:

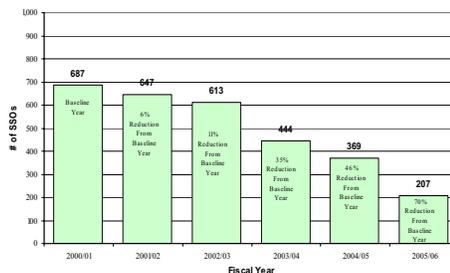
1. CCTV Inspection (with priority given to sewer basins with the highest number of SSOs per 100 miles).
2. Structural Condition Assessment and Needs Identification
3. Project Development and Prioritization
4. Project Implementation



The collection system ranges in diameter from 6 inches to 150 inches and consists of primary and secondary sewers which includes approximately 130 miles of abandoned sewers and approximately 70 miles of sewers within City limits and owned by other agencies. The plan is focused on approximately 6,470 miles of City-owned sewers that are currently in service. Of these 6,470 miles, approximately 5,820 miles are secondary sewers (sewers ranging in diameter from 6 inches to 15 inches) that collect flow from building laterals and convey the sewage to the primary sewer system. In addition, approximately 650 miles of primary sewers (sewers greater than 15 inches in diameter) convey sewage from the secondary sewers to treatment facilities.

The City’s spill reduction program consists of four main components: An aggressive maintenance program to manage SSOs caused by factors that can be influenced by periodic maintenance, an aggressive Fats, Oils, and Grease (FOG) Control Program to minimize the introduction of FOG into the collection system; A comprehensive capacity assurance program to identify and correct capacity deficiencies in the collection system, and an aggressive capital improvement program to identify and remove collection system defects that can cause SSOs and that cannot be managed effectively using a periodic maintenance program.

Mr. Hagekhalil presented specific system performance results, over the past six years these programs have proven to be highly effective and have achieved a 70 percent reduction in the annual number of sewer overflows from Fiscal Year 2000 to Fiscal Year 2005.



These proven strategies are paralleled in the Sewer System Management Plan (SSMP) now required by the State WDR. Adel credits the success of the program with consensus building that relies on teamwork across a broad spectrum of individuals with varied skills and backgrounds but united in purpose, the desire to reduce SSO’s. When asked how to achieve such consensus, Adel offered this advice “Don’t hesitate to share the credit, fully engage your constituency, it’s a win-win partnership and that is how you build trust.”



1. Leadership



2. Partnership



3. Stewardship

The three “ships” of a successful program

## ***CWEA Launched 2<sup>nd</sup> Series of SSO WDR Training Workshops in July***

In July the California Water Environment Association (CWEA) and its Summit Partners (CASA, BACWA, SCAP, CVCWA) launched the second series of SSO WDR training sessions. These workshops are part of the innovative MOA between CWEA and the State Water Board. The SSO WDR Training Task Force chaired by Dr. Nick Pinhey, past CWEA President and Director of Public Works for Modesto, has been working overtime since the WDR adoption in May 2006 to develop and rollout the training. CWEA rolled out electronic reporting workshops last year and launched the Sewer System Management Plan (SSMP) workshops in Southern California (Van Nuys, San Diego, and Anaheim) this month.

With the new General Waste Discharge Requirements (GWDR) in full effect and electronic reporting live, seminars focused on another critical requirement in the GWDR — Sewer System Management Plans. These specialty workshops highlight what is required and when by reviewing the main components of the SSMP with a team of industry professionals.



The mandatory elements of the SSMP including: Organization, Legal Authority, Operation and Maintenance Program, Design and Performance Provisions, Overflow Emergency Response Plan, Fats Oils and Grease (FOG) Control Program, System Evaluation and Capacity Assurance Plan, Monitoring, Measurement, and Program Modifications, SSMP Program Audits, and a comprehensive Communication Program to tie the elements together. The individual components were detailed in light of the overriding program goal of the SSMP, which is to provide a plan and schedule to properly manage, operate, and maintain all parts of the sanitary sewer system. This will help reduce and prevent SSOs, as well as mitigate any SSOs that do occur.

The workshops are specifically designed for those who are or will be developing Sewer System Management Plans in California's collection systems. A strategic gap analysis tool was provided to participants to help assess the readiness of their agencies to develop the SSMP. These workshops use the latest techniques in adult learning, such as hands-on colleague teaming exercises.

A total of 16 workshops will be held throughout California in July, August, September and October. In August additional workshops will be held in the Fresno, Santa Barbara, Monterey and Modesto areas. Flyers will be sent out 4-6 weeks prior to the workshops. Stay up-to-date with the latest at [www.cwea.org/ss0](http://www.cwea.org/ss0)

## ***CWEA's SSO WDR training featured at WEFTEC 07 in San Diego***

WEFTEC 07 will be in San Diego, October 13 to 17. This year CWEA's SSO WDR training agreement with the State Water Board will be a featured topic—Dr. Nick Pinhey will present at the Collection Systems luncheon on Tuesday, October 16. You can register for WEFTEC 07 and the luncheon at [www.weftec.org](http://www.weftec.org)



## **Successful California Resource Recovery Association Annual Conference**

From July 29, 2007 through August 1, 2007 the California Resource Recovery Association (CRRRA) Annual Conference was held in San Pedro. The CRRRA Conference is California's premier event for professionals engaged in the recycling and waste reduction field. CRRRA attendees come from local governments, non-profits, state agencies, consultants and private businesses. They are engaged in developing and managing programs for e-waste, recycling collections, organics, construction & demolition (C&D) recovery, green building, household hazardous waste, education campaigns and other environmental services.

### The California Integrated Waste Management Board



Margo Brown Board Chair Gary Petersen Cheryl Peace Jeffrey Danzinger Rosalie Moré Wes Chesbro

The 31<sup>st</sup> Annual CRRRA Conference opened with, the City of Los Angeles and Board Members of the CIWMB hosting a welcoming reception at the Cabrillo Marine Aquarium. CIWMB Chair Margo Brown provided an inspired opening address to attendees. Ms. Margo Brown, a Sacramento native, was appointed to the Board by Governor Arnold Schwarzenegger on January 11, 2006. Ms. Brown, whose term expires on January 1, 2009, represents the public. Prior to joining the Board, Ms. Brown served as Director of Scheduling for Governor Schwarzenegger. Her dedicated public service reaches back to 1985, where she worked for then-Senator Pete Wilson, and later served as Director of Scheduling for Governor Wilson. She graduated from the University of Southern California in 1985 with a degree in international relations and political science.



The Cabrillo Marine Aquarium engages visitors in education, recreation and research to promote knowledge, appreciation and conservation of Southern California's marine life. The Point Fermin Marine Life Refuge tidepools, a salt marsh, fishing pier, sandy beaches and fossil rich cliffs are all within walking distance of the Aquarium. Conference attendees enjoyed a tour of the facility.

### **20 Runners 16 Countries 15,200-miles to raise awareness**

Join the Blue Planet Runners at the Venice Beach Front Plaza on Sunday, August 5<sup>th</sup> at 1 pm. For more information go to [www.blueplanetrun.org](http://www.blueplanetrun.org) contact Nessa Shipp @ [nessa@blueplanetrun.org](mailto:nessa@blueplanetrun.org), or 573 673 2227.



## ***Monrovia Wilderness Preserve & Hillside Management Plan Update***



Throughout July, The City of Monrovia, solicited public input in the development of a Resource Management Plan for Monrovia's public hillside lands. The purpose of the ongoing study is to: 1) document current natural and man-made conditions within the new Wilderness Preserve; 2) evaluate challenges and opportunities offered by the Preserve; and 3) provide a management plan that will guide stewardship of the property, protect important natural resources and, where appropriate, recommend passive recreation opportunities.

This management plan comes out of the innovative initiative that lead to Monrovia's residents voting overwhelmingly to tax themselves in July of 2000 in order to buy the last remaining open space in the adjacent foothills and hold it in trust as a wilderness preserve. The tax was supported in every precinct in the city.

About 1,000 acres of undeveloped land along the hillsides separate Monrovia's residential neighborhoods from the Angeles National Forest above them. About 400 of those acres were owned by the city and had long been set aside as park and hiking areas. The remaining 600 acres were in private hands, and open to development. The estimated cost of all 600 acres was a expensive at \$15-20 million. Consequently, Monrovia settled on a plan that would raise roughly half of the needed funds locally, and then — with matching funds already in place — seek grant money to make up the difference.

### ***Electronic Sewer Leaks Version Available***

Receive your LABS Sewer Leaks earlier than by mail with the option of receiving an electronic edition. Please contact [dgary@lacs.org](mailto:dgary@lacs.org) if you wish to receive an e-mail edition of Sewer Leaks. Stay current on the latest LABS, CWEA, and WEF activities at [www.labsofcwea.com](http://www.labsofcwea.com)

### ***“Step up to the Challenge” by submitting an abstract for the 80<sup>th</sup> Annual CWEA Conference in Sacramento! Deadline is August 7, 2007***

The Call for Papers and Abstract Submittal form for the CWEA 2008 Annual Conference to be held in Sacramento April 13-16, 2008 can be found at [http://www.cwea.org/conferences/2008/CWEA\\_Abstract\\_Form\\_2008.doc](http://www.cwea.org/conferences/2008/CWEA_Abstract_Form_2008.doc). The deadline for abstract submittal is August 7, 2007 to Cassie Prudhel -[cassie.prudhel@ssf.net](mailto:cassie.prudhel@ssf.net) All abstracts must be submitted electronically.



**CWEA 80<sup>TH</sup> ANNUAL CONFERENCE – “STEPPING UP TO THE CHALLENGE”  
APRIL 13-16, 2008 – SACRAMENTO CONVENTION CENTER**

**PRESENTATION ABSTRACT SUBMITTAL FORM**

***DEADLINE FOR ABSTRACT SUBMISSION IS AUGUST 7, 2007.***

*(MS Word version of this form can be downloaded from [http://www.cwea.org/et\\_attendees\\_conferences.shtml](http://www.cwea.org/et_attendees_conferences.shtml))*





# The Los Angeles Basin Section of the C W E A Cordially Invites You to the



## PAST PRESIDENT'S SUMMER EVENT DODGER GAME SATURDAY, AUGUST 18, 2007

7:10 p.m. Start

### Reservations:

RSVP By Tuesday, August 14, 2007

Tickets are offered at the discounted price of \$15/each (normal price is \$25/ea). Send your check (no cash or credit cards in the mail please) to: John Mays, DC Tillman WR Plant, 6100 Woodley Avenue, Van Nuys, CA 91406

Note - You can also purchase your tickets with cash or check at the July LABS dinner meeting.

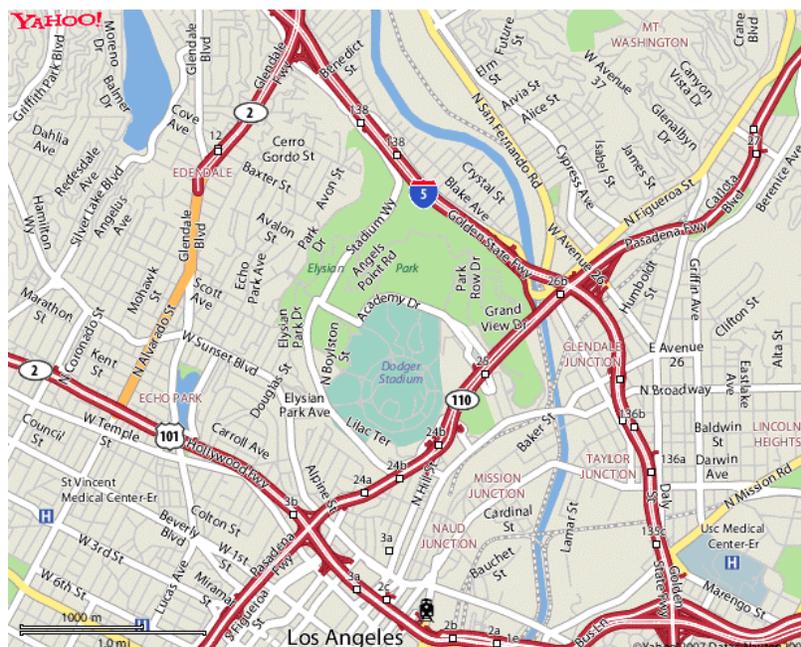
### Location and Direction:

Seating is in Section 8 of the Blue, Reserved Level. The web pages listed below provide details for parking and seating. The parking protocols have changed significantly this year, so check out the details on the Web.

Parking - <http://losangeles.dodgers.mlb.com/la/ballpark/parking.jsp>

Seating Location - [http://losangeles.dodgers.mlb.com/la/ballpark/la\\_seating\\_pricing.jsp](http://losangeles.dodgers.mlb.com/la/ballpark/la_seating_pricing.jsp)

**Dodger Stadium is located in the center of the map.**



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Director:	<a href="#">Wendy Wert</a>	(562) 908-4288 x-2128
Past President:	<a href="#">John Mays</a>	(818) 778-4138

### Address Changes

Please contact our Membership Chair, Marge Okabe at (310) 375-0448 or send an email to [labs-membership@earthlink.net](mailto:labs-membership@earthlink.net)

### LABS Committee Chairs

Programs:	Patrick Griffith	(562) 908-4288 x-2117
Newsletter:	Wendy Wert	(562) 908-4288 x-2128
Membership:	Marge Okabe	(310) 375-0448
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Indus. Waste Insp.:	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	Alec Mackie	(714) 428-4614

**Open Chair: Safety**

### SPECIAL EVENTS CALENDAR

Aug 7 <sup>th</sup>	Abstract Deadline for CWEA Annual Conference, Sacramento <a href="http://www.cwea.org/et_speakers_conferences.shtml">http://www.cwea.org/et_speakers_conferences.shtml</a>
Aug 13 <sup>th</sup>	Water for People 3 <sup>rd</sup> Annual Kiwanis Charity Golf Event Ontario, California <a href="http://www.waterforpeople.org/local_events.html">http://www.waterforpeople.org/local_events.html</a>
Aug 15 <sup>th</sup> – 18 <sup>th</sup>	CASA Annual Conference San Diego, CA <a href="http://www.casaweb.org/">http://www.casaweb.org/</a>
Aug 18 <sup>th</sup>	LABS Dodger Game contact John Mays 818 - 778 - 4138 <a href="mailto:John.Mays@lacity.org">John.Mays@lacity.org</a>
Sep 27 <sup>th</sup> – 29 <sup>th</sup>	23 <sup>rd</sup> Annual Tri-State Seminar on the River Primm, NV <a href="http://www.tristateseminar.com/">http://www.tristateseminar.com/</a>

[www.projectpartners.com/ps/index.htm](http://www.projectpartners.com/ps/index.htm)  
[www.ewb-la.org](http://www.ewb-la.org)  
<http://www.waterforpeople.org/>  
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