

WEDNESDAY, APRIL 13, 2011 -- AFTERNOON SESSIONS

CWEA Committee	Collection Systems	Biosolids	Laboratory Training	Operator & Maintenance Training	Operator & Maintenance Training	Safety	Supergroup	Public Education	Engineering & Research	Engineering & Research							
Session #	1	2	3	4	5	6	7	8	9	10							
Session Title	Boot Camp 101	Biosolids Management	Laboratory Training	Operators Training	Facility Optimization	Safety 101	Supergroup	Public Outreach	Wastewater Treatment	Salinity Management							
Room #	Ballroom A	200 A/B	104 B	100 A/B	204	203 A/B	200 C	201 A/B	203 C	202 A/B							
Session Chair	Eric Nielsen Water Works Engineers	Todd Jordan Carollo Engineers	Tony Pirondini City of Vacaville	Jeff Cooley City of Vacaville	Jeff Cooley City of Vacaville	Larry Olivan Oro Loma Sanitary District	Dennis McBride City of Redding	Devina Douglas Independent Consultant	Shane Trussell Trussell Technologies	Shane Trussell Trussell Technologies							
Session Moderator	Ralph Palomares El Toro Water District	Dave Bachtel Lee & Ro Inc.	Giti Heravian Fairfield-Suisun Sewer District	Michael Creel LACSD	Ron Kupke LACSD	Marjorie Boone Joshua Casey	Dennis Laniohan Delta Diablo Sanitation District	Mike Auer Union Sanitary	Kris Flaig City of Los Angeles	Toby Weissert Carollo Engineers							
Room Monitor	Elliott Johnson Castro Valley Sanitation District	Andrew Wiesner Carollo Engineers				Diane Hinson CCCCSD	Zach Zanni City of Redding	Ryan Orr VWVRA		Mark Bartlett Carollo Engineers							
SECTION	A	A	A	A	A	A	A	A	A1 A2	A1 A2							
Presentation Title	An Integrated Approach to Sewer Collection System Management	Encina Wastewater Authority's Biosolids Management Plan: Fantasy or Reality?	Basic Approaches to Microbial Source Tracking	Operational Data Management System for Water Utilities	GWRS Flow Availability Study	Whatcha Talkin' 'Bout?	Building Relationships = A Foundation for Success	Transparency in Public Outreach: Preventing Potentially Contentious Projects from Being Derailed	Denitrification of Groundwater with Woodchip Reactors	Characterization of Nitrous Oxide Emissions from Wastewater Treatment Plant Operations - One Plant's Experience	Regional Brine Line	Bleach: An Alternative to Chlorine Gas - The 2nd Largest Threat to Homeland Security!					
Speaker(s)	Mark Hill, P.E. RBF Consulting	Kevin M. Hardy Encina Wastewater Authority	Richard E. Danielson, Ph.D. BioVir Laboratories, Inc.	Jae Kim Westin Engineering	Esther Kinyua Carollo Engineers	Bruce Anderson Safety Center Incorporated	Megan Yoo, UC Irvine and HDR, Inc.; Denis Pollak, V&A Engineering	Jennifer Harrison, J. Harrison Public Relations Group; Tom Skjelstad, Donner Summit Public Utility District	Monica Palomo Cal Poly Pomona	Jeffrey Weiss Los Angeles County Sanitation Districts	Richard Haller, P.E. Santa Ana Watershed Project Authority	Michael Falk, PhD HDR, Inc.					
BREAK (10 min)																	
SECTION	B	B	B	B	B	B	B	B	B1 B2	B							
Presentation Title	My SSMP is Done. Now What?	Sixteen Agencies Team to Convert Biosolids to Energy for Regional Solution	Good Laboratory Practices for Environmental Testing Professionals	Using a Competency Based Training System to Train, Assess and Measure Workforce Knowledge	Meadowlark Water Reclamation Facility Improvements	Technical Rescue - Limitations and Realities	Training Without Boundaries: The Emergence of the "Virtual Classroom" ...And What it Means to Small Utilities	Making it Crystal Clear: Public Education for Pollution Prevention and Nonpoint Source Control	Solids to Energy - The Role of Enhanced Primary Treatment	Energy Efficiency in Blower Technology and How to Evaluate It	Evaluation of Selenium Removal Technologies and Pilot Study of GE's ABMet System						
Speaker(s)	John Larson Larson Consulting	Caroline Quinn, Delta Diablo Sanitation District; Robert Gillette, Carollo Engineers	Diane Lawver Quality Assurance Solutions, LLC	James McPherson Union Sanitary District	Brett Faulkner and Shane Trussell Trussell Technologies	Kent L. Freeman Calif. Health & Rescue Training	Neil Worthen Rural Community Assistance Corporation	Jennifer Harrison, J. Harrison Public Relations Group; Megan Siren, City of Auburn	Paul Friedlander Carollo Engineers	Brandon Quinton HSI, Inc.	Amy Omae HDR, Inc.						
BREAK (10 min)																	
SECTION	C1 C2	C1 C2	C	C	C1 C2	C	C1 C2	C1 C2	C1 C2	C1 C2	C1 C2	C1 C2					
Presentation Title	How Does My Hydraulic Retention Time Affect Odors and Corrosion?	Finding Odor and Corrosion "Hot Spots" in Your Collection System - Lessons Learned	Development and Implementation of the New THP-Digestion Biosolids Program at the DC Water and Sewer Authority	City of Los Angeles Hyperion Treatment Plant Biogas Compressor Facility Project Meets Challenges	2011 EPA Method Update Rule - Changes to 40CFR Part 136	No Operator Left Behind- An Examination of Operator Training	Achieving Accurate Online Measurements of Ammonia Concentrations in Mixed Liquor Using Ion Selective Electrodes	Data Management: Turning Dollars into Sense	Underground Utility Damage Prevention Training Requirements for Line Locators and Excavation Crews in California	Service and Success Go Hand-In-Hand: A Look at the LACSD Engineering Mentoring Program	Lessons Learned from a First-Year Manager	Starting a Pharmaceutical Disposal Program	Social Media- "How?" not "Why?"	Superior Process Control and Lower Energy Footprint - A Win-Win Situation	When Are Primary Clarifiers Cost Effective?	Comprehensive Analysis of Metals and Salinity for Developing Reliable Pollution Prevention Plans to Improve Water Quality	Performance and Cost Comparison between EDR and MF/RO Desalination Technologies for Water Reuse
Speaker(s)	Kevin Jacobs ECO Oxygen Technologies	James Joyce V & A Engineering	Perry Schafer Brown and Caldwell	Al Bazzi City of Los Angeles	William R. Ray SWRCB	Sandra Perea City of Soledad	Jeffrey Weiss Los Angeles County Sanitation Districts	Corey Williams Hach Company	Bob Nighswonger Utility Training Academy	Brian Villacorta and Tom Fang LACSD	Jim Colston Orange County Sanitation District	Michael Scahill Central Contra Costa Sanitary District	Melissa Keyes Long Beach Water Department	Sanjay Reddy Black & Veatch	Ashish Marwahand and Hersh Kshetry Parsons	Jenny Reina, CH2M HILL; Erich Delmas, City of Tracy	Gordon J. Williams Trussell Technologies



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THURSDAY, APRIL 14, 2011 -- MORNING SESSIONS

CWEA Committee	Collection Systems	Biosolids		Laboratory Training		Operator & Maintenance Training	Operator & Maintenance Training	Safety	Supergroup	Engineering & Research		Engineering & Research	Engineering & Research	
Session #	11	12		13		14	15	16	17	18		19	20	
Session Title	Infrastructure Asset Management	Biosolids Engineering		Laboratory Training		Operator and Maintenance Training	Operations, Maintenance, and SCADA IT	Maintenance Worker Safety	Supergroup	Constituents of Emerging Concern		Nutrient Management	Indirect Potable Reuse	
Room #	Ballroom A	104 B		203 A/B		204	200 A/B	202 A/B	201A/B	203 C		100 A/B	200 C	
Session Chair	Jim Gusman Independent Consultant	Todd Jordan Carollo Engineers		Tony Pirondini City of Vacaville		Jeff Cooley City of Vacaville	Keith McClure South Bayside System Authority	Larry Olivan Oro Loma Sanitary District	Dennis McBride City of Redding	Shane Trussell Trussell Technologies		Shane Trussell Trussell Technologies	Shane Trussell Trussell Technologies	
Session Moderator	Rick Lewis Max-Life Mfg.	Wendy Wert Los Angeles County Sanitation Districts		Gina Cloutier Victor Valley WWRA		Michael Creel Los Angeles County Sanitation Districts	Alan Davis Los Angeles County Sanitation Districts	Marjorie Boone Joshua Casey	Dale Ducharme Veolia West Operating Services	Zeynep Erdahl CH2M Hill		Jenny Reina CH2M Hill	Shane Trussell Trussell Technologies	
Room Monitor	Gordon Times West County Wastewater District	Matt Bao Los Angeles County Sanitation Districts						David Stoops City of Livermore	Jaime Halter City of Redding				Brett Faulkner Trussell Technologies	
SECTION	A	A1	A2	A1	A2	A	A	A	A	A1	A2	A1	A2	A
Presentation Title	No Presentation CONSIDER ATTENDING THE COLLECTION SYSTEM BREAKFAST MEETING 7:00 AM	Innovative Digester Design to Improve Mixing and Gas Production	Improving Gas Production Using Sludge Disintegration Technology	No Presentation CONSIDER ATTENDING THE LABORATORY COMMITTEE BREAKFAST MEETING 7:00 AM	Current Laboratory Techniques for Determination of Contaminants of Emerging Concern	Effects of Heat and Contamination on Lubricated Systems	Realities in Reliability	Ladder Safety	Overcoming Barriers to Energy Efficiency in the Wastewater Sector: Lessons from the Field	Occurrence and Fate of Trace Organic Compounds During Secondary Wastewater Treatment	Testing of MF and RO Treatment of JWPCP Secondary Effluent for Potential Groundwater Replenishment	Modification of Activated Sludge Aeration Basins to NDN Mode while Maintaining Maximum Treatment Capacity	Lessons Learned in Maximizing the Capacity after Conversion from a BOD to NDN Mode	The City of San Diego Water Purification Demonstration Project
Speaker(s)		Sava Nedic CDM	Sava Nedic CDM		Allison MacKenzie and Lawrence J. Chrystal E.S. Babcock & Sons, Inc.	Karen Salita Chemsearch	Mike Beattie, Brown and Caldwell; Mac Smith, AMS Associates	Andy Bull CH Bull Co.	John Bidwell Quantum Energy Services & Technologies	Tanja Rauch-Williams Carollo Engineers	Nick Smal and James Barry Los Angeles County Sanitation Districts	Mark Hammer, P.E. HDR, Inc.	Adam Nichols HDR, Inc.	Greg Bradshaw RMC Water and Environment
BREAK (10 min)														
SECTION	B	B1	B2	B	B	B	B	B	B	B	B	B	B1	B2
Presentation Title	Infrastructure Asset Management Workshop (Part 1 of 3)	FOG Systems That Work	Rethinking Strategies for Cogeneration Operation - A Potential Tool to Achieve Neutral Carbon Footprint	State Board's Proposed Policy for Whole Effluent Toxicity (WET) Assessment and Control: Implications for Laboratories and Compliance Determinations	Process Optimization and General Maintenance for Belt Presses and Gravity Belt Thickeners	The Historical Evolution and Emergence of a New Generation of Centrifuge for Thickening Waste Activated Sludge	Safety Issues Dealing with Oxygen/Acetylene Cutting and Welding	Energy System Master Plan of SBSA	Sustainable Water Reuse Practices	Simultaneous Nitrification and Denitrification in Aerated Anoxic Zones: What is the Benefit?	Ozone Pretreatment of a Non-Nitrified Secondary Effluent Before Microfiltration	MF and RO Membrane Replacement - Understanding Operating Process Data and Autopsy Data		
Speaker(s)		James Courchaine and Doug Spiers, Westin Engineering, Inc.; Rick Cunningham, City of Albany	Robert Gillette Carollo Engineers	Hsin-Ying Liu HDR, Inc.	Philip Markle Los Angeles County Sanitation Districts	Paul Bland Ashbrook Simon-Hartley	Robert G. Havrin Centrisys Corporation	Alan Lindgren Rankin Industries Hardfacing Alloys	Arvind Akela, CDM; Hugh Logan, South Bayside System Authority	Vijay Sundaram Stantec	Scott Buecker Water Works Engineers	Fredrick W. Gerring Trussell Technologies	Slavica Dedovic-Hammond MWH	
BREAK (10 min)														
SECTION	C	C	C	C	C	C	C	C1	C2	C1	C2	C	C	
Presentation Title	Infrastructure Asset Management Workshop (Part 2 of 3)	Utilizing FOG to Enhance Anaerobic Digester Performance	Data Validation: Meeting CWA, SDWA, and TNI Requirements (Part 1 of 2)	Operator Training and Internship Program	Wireless Network Technologies and Security Issues in the Water Industry	Working Around Overhead and Underground Utilities: Best Practices, the Laws and Real-Life Consequences When Things Go Wrong	Design Build Project Delivery-the Myth and the Reality	Float and Sink that Pipe: Design and Construction of a River Outfall Diffuser	Tertiary MBR & RO Treatment of JWPCP Secondary Effluent for Potential Groundwater Replenishment	Effect of Ozonation on the Formation of NDMA, Bromate, and THMs in Reclaimed Water	Machado Lake: Using Air to Improve the Water	Building on Lessons Learned for the Initial Expansion of the Groundwater Replenishment System		
Speaker(s)		James Courchaine and Doug Spiers, Westin Engineering, Inc.; Rick Cunningham, City of Albany	Marie Burbano CDM	Edward Askew, Ph.D. Askew Scientific Consulting	Logan Olds Victor Valley Wastewater Reclamation Authority	Paul Mercier Phoenix Contact, Inc	Aaron Rezendez Pacific Gas and Electric Company	Soma Bhadra PROTEUS Consulting	Richard L. Gutierrez Carollo Engineers	Tom Knapp Los Angeles County Sanitation Districts	Tim Durbin Water Works Engineers, LLC	Daniel Ryan, P.E. Parsons	James H. Clark, P.E. Black & Veatch	
BREAK (10 min)														
SECTION	D	D	D	D	D	D1	D2	D	D1	D2	D1	D2	D	D
Presentation Title	Infrastructure Asset Management Workshop (Part 3 of 3)	Digester Gas Fuel Cells Experience and Trends in California Wastewater Treatment Plants	Data Validation: Meeting CWA, SDWA, and TNI Requirements (Part 2 of 2)	Understanding Construction Plans and Specifications for O&M Staff	SCADA- Are There Cost Savings?	Increase Your SCADA Security and Efficiency Through Virtual Technology	Arc Flash Safety	Design Approach for New Laboratory	How to be Successful in Securing Federal Funding for Recycled Water Projects-The Bureau of Reclamation's Title XVI Program	Removal of CECs in Effluents Discharge to Limited Dilution Surface Waters	The Emergence of Microwave UV - Pilot Testing and Design in North Texas	WERF Study - Striking a Balance between Nutrient Removal and Greenhouse Gas Production: Is There a Sustainability Tipping Point?	Evaluating Oxidation Processes for Water Reuse Applications with a Focus on UV/Hydrogen Peroxide	
Speaker(s)		James Courchaine and Doug Spiers, Westin Engineering, Inc.; Rick Cunningham, City of Albany	Sarwan Wason Carollo Engineers	Edward Askew, Ph.D. Askew Scientific Consulting	Dennis Laniohan and Thanh Vo Delta Diablo Sanitation District	Rachel Lather and Michael Reilly Santa Cruz County Sanitation District	Robert Coromina Victor Valley Wastewater Reclamation Authority	Matt Hopper Eaton Corporation	Alan Lau Inland Empire Utilities Agency	Roanne Ross Whitley Burchett & Associates	Robert W. Emerick Stantec	Nitin Goel Carollo Engineers	Michael Falk, PhD HDR, Inc.	David Hokanson Trussell Technologies



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- Wet Weather Intermittent Stream Discharge from a City of San Diego Water Reclamation Plant

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THURSDAY, APRIL 14, 2011 -- AFTERNOON SESSIONS														
CWEA Committee	Collection Systems		Biosolids		Supergroup	Pollution Prevention, Pre-Treatment and Stormwater	Government Affairs	Supergroup	Engineering & Research	Engineering & Research	Engineering & Research			
Session #	21		22		23	25	26	27	28	29		30		
Session Title	Bootcamp 101		Biosolids Processes		Supergroup	Source Control and Innovative Solutions	Air/ Land/ Water Track	Supergroup	Recycled Water	Advanced Treatment		Wastewater Treatment		
Room #	Ballroom A		104 B		200 A/B	203 A/B	204	201A/B	203 C	100 A/B		200 C		
Session Chair	Eric Nielsen Water Works Engineers		Todd Jordan Carollo Engineers		Dennis McBride City of Redding	John Boyd Los Angeles County Sanitation Districts	Sophia Skoda East Bay Municipal Utility District	Dennis McBride City of Redding	Shane Trussell Trussell Technologies	Shane Trussell Trussell Technologies		Shane Trussell Trussell Technologies		
Session Moderator	Joe Flores City of Victorville		Todd Jordan Carollo Engineers		Steve Dominguez Delta Diablo Sanitation District	David Sanchez LACSD	Kris Flaig City of Los Angeles	Sami Kadar Water Works Engineers	Dave Bachtel Lee & Ro		Pavitra Prabhakar LACSD			
Room Monitor	John Corral Goleta Sanitary District		Jake Holden Black & Veatch		Dave Faganello City of Redding	Barbara Jenkins LACSD	Jim Colston OCSO	Dale Ducharme Veolia West Operating Services				Ron Appleton Independent Consultant		
SECTION	A1	A2	A		A	A	A	A	A		A1	A2	A	
Presentation Title	Cost Effective Regulatory Compliance Through Asset Management	Balancing Birds, Public, and a Sewer Force Main along Corte Madera Creek	Deep Injection of Wastewater Sludge and Biosolids at the LA City Terminal Island Renewable Energy (TIRE) Project		You're Making Renewable Power-So How Do You Turn It Into Money?	Turning a Costly Waste Problem into Sustainable Energy	Regulatory Trends and Nutrient Drivers, Numeric Nutrient Standards, and Implications for NPDES Permits	Oops We Screwed Up! How to Face the Public After an Embarrassing Event	Effects of Nitrification, Stratification, and Algaecidal Disinfection in the Country's Largest Recycled Water Reservoirs		Hollow-Fiber MF for Water Reclamation: Nanoscale Particles and Membrane Fouling	Designing A Wastewater Treatment Plant for a Low-Sodium (and Other Fixed Dissolved Solids) Diet	OCSD Steve Anderson Lift Station (Project I-10)	
Speaker(s)	Jeff Kirshberg, Ph.D., P.E. Infrastructure Engineering Corporation	Charles Joyce, Brown and Caldwell; Brett Richards Ross Valley Sanitary District	Dr. Michael Bruno, Terralog Technologies; Jeff Couture, GeoEnvironment Technologies		Mark McDannel Los Angeles County Sanitation Districts	Andrew Dale HDR, Inc.	David L. Clark HDR, Inc.	Roland P. Williams Jr. and Janette Stuart Castro Valley Sanitary District	Andy Komor, MS, PE PACE		Joshua Smeraldi UC Irvine	Scott Parker, P.E. BCEE Carollo Engineers	Mark Strahota Malcolm Pirnie, Inc.	
BREAK (10 min)														
SECTION	B		B1	B2	B	B	B	B	B	B1	B2	B1	B2	
Presentation Title	Biogenic Corrosion in Wastewater		Class A Biosolids Produced with Closed Alkaline Process	Bench Scale Study of the Dissolved Air Flotation (DAF) Provides New Information About the DAF Process	Selma-Kingsburg-Fowler County Sanitation District Uses PG&E Program and New Equipment to Reduce WWTP Energy Costs by 47%	How Effective Storm Water and Rain Management Solutions Can Help Achieve LEED Accreditation for Your Project	Regulation of FOG and Food Wastes	Joint Agency Accelerated Sewer Improvement Program	Sustainable Cooling Water Treatment Using Controlled Hydrodynamic Cavitation	Bringing Recycled Water to San Jose State University	Can Advanced Wastewater Treatment Technologies be Cost Competitive with Conventional Treatment Processes?	Santa Paula Wastewater Recycling Facility Membrane Bioreactor	Biofiltration of Volatile Organic Compounds in Process Air Coming from Primary Treatment	Benefits and Challenges of Converting from Plug-Flow to Step Feed Operation
Speaker(s)	Gregory Wallace Kerneos, Inc.		Chuck Wanstrom Schwing Bioset, Inc.	Alex Ekster City of San Jose	Gregory P. Harris HERWIT Engineering	Ron Anderson Jensen Precast	Greg Kester CASA	Stephen C. Jepsen Dudek	Philip Vella VRTX Technologies	Gregg Cummings, Kennedy/Jenks Consultants; Adam Bayer, San Jose State University	Ali Ahmadi Parsons	Sangam Tiwari Trussell Technologies	Andy Lee Los Angeles County Sanitation Districts	Andre Gharagozian Carollo Engineers
BREAK (10 min)														
SECTION	C		C		C1	C2	C	C	C	C1	C2	C	C1	C2
Presentation Title	Finding Your Way With As-Built Drawings		Gravity Belt Thickeners, Uses, Start Up, Process, Operations, and Preventative Maintenance		Green Energy Feasibility-Union Sanitary District Case Study	Renewable Energy Sources	Preventing and Mitigating Illicit Discharges of Clothing and Debris from the County of Sonoma's Main Adult Detention Facility	Environmental Compliance Strategies and Case Studies	Leading People and Managing Assets for a Sustainable Future	So You Want to Sustainably Reclaim Water using a Wetland?	City of Los Angeles Hyperion Treatment Plant Service Water Facility Upgrade Project	The RARE Water Project: A Public-Private Partnership to Conserve Water	Demonstration of Title 22 Filtration and Disinfection Compliance through Soil-Aquifer Treatment	In-situ Characterization of Flocs
Speaker(s)	Mark Hill, P.E. RBF Consulting		Paul Bland Ashbrook Simon-Hartley		Adam Ross Brown and Caldwell	Adham Almasri Inland Empire Utilities Agency	Heather Johnson City of Santa Rosa	Tish Berge RMC Water and Environment	James J. Courchaine Westin Engineering, Inc.	Michael Falk, PhD HDR, Inc.	Richard Mayer City of Los Angeles	Alice Towey East Bay Municipal Utility District	Andrew Salvesson, Carollo Engineers; Rosa Lau-Staggs, City of Fresno	Rajat K. Chakraborti and Jagjit Kaur CH2M Hill

FRIDAY, APRIL 15, 2011 -- MORNING SESSIONS

CWEA Committee	Collection Systems	Student & Young Professionals	Supergroup	Operator & Maintenance Training	Pollution Prevention, Pre-Treatment and Stormwater	Government Affairs	Supergroup	Engineering & Research	Engineering & Research	Engineering & Research				
Session #	31	32	33	34	35	36	37	38	39	40				
Session Title	Collection Systems	Student Papers	Supergroup	Maintenance Troubleshooting	Pollution Prevention and POTW Pretreatment Program Issues	Regulatory Updates	Supergroup	Advanced Treatment	Wastewater Modeling	Recycled Water				
Room #	Ballroom A	203 A/B	201 A/B	200 C	100 A/B	104 B	200 A/B	203 C	204	202 A/B				
Session Chair	Jim Gusman Independent Consultant	Megan Yoo UC Irvine and HDR, Inc.	Dennis McBride City of Redding	Jeff Cooley City of Vacaville	John Boyd Los Angeles County Sanitation Districts	Sophia Skoda East Bay Municipal Utility District	Dennis McBride City of Redding	Shane Trussell Trussell Technologies	Shane Trussell Trussell Technologies	Shane Trussell Trussell Technologies				
Session Moderator	Tom Edwards Dukes Root Control	Sandie Dudley CDM	Josh Vandiver City of Redding	Michael Creel Los Angeles County Sanitation Districts	Steve Sealy Los Angeles County Sanitation Districts	Nichole Baker SWRCB	Dennis Laniohan Delta Diablo Sanitation District	Steve Gao American States Utility Services, Inc.	Rick Chan Carollo Engineers	Phil Ackman Los Angeles County Sanitation Districts				
Room Monitor	Eric Nielsen Water Works Engineers	Ryan Orr VWRA	Zach Zanni City of Redding		Ken Hanks Los Angeles County Sanitation Districts	Jon Hay Black & Veatch	Steve Dominguez Delta Diablo Sanitation District							
SECTION	A	A1 A2	A	A	A	A	A	A	A	A				
8:00 - 8:50 AM	Changes to the Collection System Maintenance Certification Test Content: What You Need to Know	Interaction Between Anthropogenic Micropollutants and Extracellular Polymeric Substances (EPS) in Activated Sludge Processes	Effect of Surface Turbulence in a Palmer-Bowlus Flume Equipped with Flow Monitoring Sensors	No Presentation CONSIDER ATTENDING THE SUPERGROUP COMMITTEE BREAKFAST MEETING 7:00 AM	No Presentation CONSIDER ATTENDING THE O&M TRAINING COMMITTEE BREAKFAST MEETING 7:00 AM	Success in Achieving Reduction in Mercury Loading to a Large POTW	WEF/GAC National Wastewater Legislative & Regulatory Update	No Presentation CONSIDER ATTENDING THE SUPERGROUP COMMITTEE BREAKFAST MEETING 7:00 AM	No Presentation CONSIDER ATTENDING THE E&R COMMITTEE MEETING 7:00 AM	No Presentation CONSIDER ATTENDING THE E&R COMMITTEE MEETING 7:00 AM	No Presentation CONSIDER ATTENDING THE E&R COMMITTEE MEETING 7:00 AM			
Speaker(s)	Vivien Malig, CWEA; Roy Reynolds, OCSD; Coral Lochridge, P.E., TCPUD; Michael Neri, City of Folsom	Linda Tseng UC Irvine	Jessy Avelar Loyola Marymount University			Stephen Linsley Central Contra Costa Sanitary District	Bob Matthews CDM							
BREAK (10 min)														
SECTION	B	B1 B2	B	B	B1 B2	B	B	B1 B2	B	B				
9:00 - 9:50 AM	Condition Assessment of In-Service Force Mains - Lessons Learned	Photo-chemical Fate of Beta-Blockers in Simulated Natural Waters	Antidepressant Pharmaceuticals: Photochemical Fate in Simulated Natural Waters and Advanced Oxidation Process Treatment	Staring Down the 800 lb Financial Gorilla - Are You Responding in Crisis Mode or Proactively?	Flange Bolting (Thought You Knew It All)	Partnership between U.S. EPA and EBMUD to Reduce Mercury at Schools	Accept Domestic Septic and Portable Toilet Waste or Not?	Overview of Revised Sanitary Sewer System Waste Discharge Requirements	End of the Line for Gravity Residential Pump Stations Save Utility Additional Infrastructure Costs	Evaluating Titanium Sulfate, Aluminum Sulfate, and Ferric Sulfate as a Primary Coagulant in a Drinking Water Filter Plant	Industrial Water Reuse: Pre-treatment of Ultrafiltration Permeate for RO Filtration Using Controlled Hydrodynamic Cavitation	Using a Tracer Study to Confirm Aeration Basin Model Configuration	Solving Recycled Water Odor Issues in Los Angeles Department of Water and Power's (LADWP) Westside System	
Speaker(s)	Mark Strahota and David May, Malcom Pirnie, Inc.; Sharon Yin and Victoria Pilko, OCSD	Haomin Xu UC Irvine	Hanoz Santoke UC Irvine	Greg Clumpner HDR, Inc.	Rich Varalla Tripac Fasteners	Olof Hansen, U.S. EPA Region 9; Gayle Tupper, East Bay Municipal Utility District	Don Roberson, Roberson Water Consulting; Dr. David Jenkins, David Jenkins and Associates Inc	W. Russell Norman SWRCB	Tyler Haack Jensen Precast	Jeff Cochran Birmingham Water Works Board	Philip Vella VRTX Technologies	Jim Geselbracht Water Works Engineers	Amanda Schmidt RMC Water and Environment	
BREAK (10 min)														
SECTION	C1 C2	C1 C2	C	C	C	C	C1 C2	C1 C2	C	C				
10:00 - 10:50 AM	The 10 Types of Sewer Hydraulics - Using Scattergraphs to Identify Hydraulic Performance and Capacity Robbers	Evaluating Self-Cleansing in Existing Sewer Using the Tractive Force Method	Pharmacologically Active Compounds in Drinking Water: Ozonation of Erythromycin	Drinking Water Production from Highly Coloured Groundwater in Coastal Aquifers Using Nanofiltration Versus Ozone Injection	Negotiating a Successful Water Rate Increase through the Morass of Prop 218: Voter Rights and Basin Management	New Pumps Solve Ragging Problems	Slippery Slope or Slick Trick? Is Grease to Energy a Fit for You?	Sanitary Sewer System Enforcements and Audits	Reductions in Salinity and Impact of Beneficial Uses	Development of a Stakeholder-Led Process to Address Water Issues in the Santa Barbara Region	Optimizing the UV Disinfection System Layout to Improve System Efficiency	Comparing Multiple Oxidizers Ability to Replace a Chlorine Pre-Oxidizer Addition in a Drinking Water Filter Plant	CFD Modeling and Performance Testing on Vortex-Type Grit Tanks - A Case Study at East Bay MUD	Evaluation of the New Compressible Medium Filter at High Filtration Rates
Speaker(s)	Paul Mitchell ADS	Paul Mitchell ADS	Hersy Joy Enriquez Cal Poly Pomona	Reza Sobhani UC Irvine	Kaumudi Atapattu, Carollo Engineers; Mary Bannister, Pajaro Valley Water Management Agency	Bruce J. Corwin CDM	Don Roberson Roberson Water Consulting	James Fischer SWRCB	Jagjit Kaur CH2M Hill	Kathy Caldwell, RMC Water and Environment; Jagjit Kaur CH2M Hill	Keith N. Bourgeois Carollo Engineers	Jeff Cochran Birmingham Water Works Board	Alexander Borys East Bay Municipal Utility District	Onder Caliskaner Kennedy/Jenks Consultants
BREAK (10 min)														
SECTION	D	D1 D2	D	D	D	D	D1 D2	D	D	D				
11:00 - 11:50 AM	SARI Preserves Water Quality for Orange County and Prevents Severe Economic Impacts to Riverside/San Bernardino Counties	Money Doesn't Grow on Trees, but it Does Flow Through Our Wastewater	Socio-Demographic and Climate Impacts on Landscape Water Use in the City of Los Angeles	Between a Regulator and a Ratepayer, or a Rock and a Hard Place: Finding Common Ground	Chemical Feeds- Keep the Chlorine Flowing	Implementing Countywide Area Spill Control (CASC) Program - Protecting Orange County's Beaches and Creeks	New SWRCB Requirements for NPDES Toxicity Testing	Leveraging Technology to Create an Effective Asset Management Program	Dynamic Energy Footprint Analysis of Fine-Pore Membrane Diffusers for Wastewater Aeration	UV System Checkpoint Bioassays: Learning from the Field, Comparison Methodology, and Proof of Scale-Up	Start Up of a Step-Feed Aeration Basin	Tried and True - Sand Filtration Technology Holds Water at the City of Vacaville WWTP		
Speaker(s)	Steven Agor, P.E., Tetra Tech; Hardat Kuhlball, P.E. and David Phillips, OCSD; James Cathcart, P.E., HDR, Inc.	Megan Yoo UC Irvine and HDR, Inc.	Caroline Mini UC Los Angeles	Scott Buecker, Water Works Engineers; Tom Chism, City of Shasta Lake	Don Van Veldhuizen USA BlueBook	Duc Nguyen and Grant Sharp, County of Orange; Dindo Carrillo, Orange County Sanitation Districts	Stephen L. Clark Pacific EcoRisk	Michelle D. Beason, PE RedZone Robotics	Luman Jiang UC Irvine	Brian Petri Trojan Technologies	Coenraad Pretorius, Carollo Engineers; Bruce Mitzel, Eastern Municipal Water District	Shannon Peterson HDR, Inc.		



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Darryl Manlow
Blue-Bothers

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FRIDAY, APRIL 15, 2011 -- AFTERNOON SESSIONS

CWEA Committee	Collection Systems	Laboratory Training	Pollution Prevention, Pre-Treatment and Stormwater	Government Affairs	Supergroup	Engineering & Research	Engineering & Research	Engineering & Research			
Session #	41	43	45	46	47	48	49	50			
Session Title	Collection Systems	Laboratory Training	Storm Water Management	Emerging Regulatory Issues	Supergroup	Wastewater Treatment	Wastewater Treatment	Wastewater Treatment			
Room #	Ballroom A	200 C	100 A/B	104 B	200 A/B	203 C	204	203 A/B			
Session Chair	Eric Nielsen Water Works Engineers	Tony Pirondini City of Vacaville	John Boyd Los Angeles County Sanitation Districts	Sophia Skoda East Bay Municipal Utility District	Dennis McBride City of Redding	Shane Trussell Trussell Technologies	Shane Trussell Trussell Technologies	Shane Trussell Trussell Technologies			
Session Moderator	Jody Allen South Placer Municipal Utility District	Diane Lawver Quality Assurance Solutions, LLC	Dave Lee LACSD	Tish Berge RMC Water	Dale Ducharme Veolia West Operating Services	Brian Peck South Orange County Water	Gordon Williams Trussell Technologies	Sangam Tiwari Trussell Technologies			
Room Monitor	Rick Jackson City of Riverside		Kent McIntosh LACSD		Kevin Garner City of Redding	Tom Falk Dudek and Associates	Linda Tseng UC Irvine				
SECTION	A	A	A	A	A	A1	A2	A			
Presentation Title	Maximizing the Cost Effectiveness of a Risk of Failure Based R&R Program with Trenchless Construction and Performance Based Specifications	How To Survive Your Next EPA Permit Compliance Audit - The Lab Perspective	Blending During Peak Wet Weather Events	Tracking Tracers and Plotting Plumes – Getting Dilution Credits for your Mixing Zone	Reduce Costly Changes and Delays During Wastewater Construction Projects by Using the CSI's MasterFormat to Develop Standards and Specifications	An Analytical Approach for the Design of Tapered Aeration	Grit Removal Processes at Wastewater Treatment Plants and Improved Aerated Grit Chamber	Advanced Treatment in Modesto – Providing Just-In-Time Treatment to Minimize Rate Impacts	Wet Weather Intermittent Stream Discharge from a City of San Diego Water Reclamation Plant		
Speaker(s)	Mike Fisher Water Works Engineers	Diane Lawver Quality Assurance Solutions, LLC	Yun Shang East Bay Municipal Utility District	Stephen McCord Larry Walker Associates	Bryan Bach, Jensen Precast; Phil Kabza, SpecGuy	Rishina Dobhal and Hersh Kshetry Parsons	Robert Slaby WSG & Solutions, Inc.	Katy Rogers and Colin Barrett, Carollo Engineers	Rosalyn Stewart RMC Water and Environment		
BREAK (10 min)											
SECTION	B1	B2	B	B	B	B	B1	B2	B1	B2	B
Presentation Title	The El Rio Sewer Project - Enhancing Sewer Service in a Proactive Way	Successful Permitting Strategies for Logistically Challenging Sewer Bypassing	Evaluation and Implementation of an Information Management System	Industrial Storm Water and Pre-Production Plastic Resin, Program Update	Changing Greenhouse Gas and Air Quality Regulations: The Effect of Designing and Operating Biosolids, Biomass, and Biogas Facilities	Water EUM: FREE Tools for More Effective Utility Management	City of Chula Vista Combats Capacity Concerns	North City Water Reclamation Plant Operations Improvements	Effects of Turbulence on Fine-Pore Diffuser Performance in Wastewater Aeration Systems	Evaluation and Design of Screenings Handling Equipment	Using Process Models and Stress Testing to Determine Plant Capacity with a New Ammonia Limit
Speaker(s)	Ryan Hougham, P.E. HDR, Inc.	Colin Dudley, P.E. Brown and Caldwell	Amber M. Baylor Santa Margarita Water District	Chris Haynes State Water Resources Control Board	Rachel Velthuisen, PhD ENVIRON	Ed McCormick East Bay Municipal Utility District	Dennis Gellerman and Elizabeth Caliva, RMC Water and Environment; Roberto Yano, City of Chula Vista	Eileen Y. Idica Trussell Technologies	Matthew Jeung UC Irvine	Han Kang Carollo Engineers	Linda Sawyer Brown and Caldwell
BREAK (10 min)											
SECTION	C1	C2	C	C	C	C	C1	C2	C1	C2	C
Presentation Title	Ocean Outfall Booster Pump Station Piping System Assessment and Rehabilitation at Plant No. 2	All-Pipe Sewer System Models: Challenges and Benefits	Pyrethroid Pesticide Analysis in Waters at Parts Per Trillion Concentrations	Evaluating and Managing Potential Flooding from Sacramento's Combined Sewer System	Salinity Reductions Associated with Recent Water Softener Source Control Efforts	Enterprise Energy Management Systems: Save Energy and Sell It Back to Your Utility	Incorporating a Green Approach to Chemical Odor Scrubbing	Finding a Cost Effective Solution to Increase Capacity of an Existing Oxidation Ditch	Solar Power for "Free"-A Success Story of a 1 MW PV Solar Project at a California Wastewater Treatment Facility	A Practical Approach to Alternative Energy Planning at the Napa Sanitation District	The Future of Ventura's Effluent Management Strategy: Estuary Discharge, Recycled Water, and/or Treatment Wetlands?
Speaker(s)	Pam Koester Orange County Sanitation District	Cathy Greenman and Paul Giguere RMC Water and Environment	Peter Halpin Caltest Analytical Laboratory	David Wood, PE, AECOM; Rick Batha, PE, City of Sacramento	Kathryn Gies, West Yost Associates; Joe DiGiorgio, Stantec	Chaise Vidal, PMP Southern California Telephone & Energy	David McEwen Brown and Caldwell	Andrew Wiesner Carollo Engineers	Vamsi Seeta Parsons	Dave Reardon HDR, Inc.	Lydia Holmes Carollo Engineers