

WEDNESDAY, APRIL 29, 2009 -- AFTERNOON SESSIONS

| CWEA Committee | Collection Systems | Biosolids | Laboratory Training | Operator Training | Public Education | Maintenance Training | Supergroup | Engineering & Research | Engineering & Research | Engineering & Research | | | | | |
|--------------------|--|---|--|---|--|--|--|--|---|--|---|---|--|---|--|
| Session # | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | |
| Session Title | <i>Collection Systems Planning</i> | <i>Biosolids Engineering</i> | <i>Laboratory Analysis & Compliance Monitoring</i> | <i>Electrical/Instrumentation Processes</i> | <i>Public Education and Involvement</i> | <i>Maintenance Management Systems and Approaches</i> | <i>Asset Management</i> | <i>Wastewater Treatment</i> | <i>Water Reclamation & Reuse Issues</i> | <i>Wastewater Treatment</i> | | | | | |
| Room # | Primrose B | Mesquite D & E | Mojave | Mesquite C | Mesquite B | Mesquite G & H | Sierra | Pasadena | Primrose D | Primrose C | | | | | |
| Session Chair | Mark Chamberlin, Eastern Municipal Water District | Jonathan C. Hay, Black & Veatch | Cassie Prudhel, City of South San Francisco | Richard Watts, City of Riverside | Devina Douglas, So. San Luis Obispo County Sanitation | Roy Reynolds, Orange County Sanitation District | Dave Kachelski, Veolia Water North America | Pavitra Prabhakar, Los Angeles County Sanitation Districts | Pavitra Prabhakar, Los Angeles County Sanitation Districts | Pavitra Prabhakar, Los Angeles County Sanitation Districts | | | | | |
| Session Moderator | Tom Edwards, Dukes Root Control | Todd Jordan, Carollo Engineers | Amber Boone, Santa Margarita Water District | Richard Watts, City of Riverside | Luis Durruty, City of Los Angeles | Roy Reynolds, Orange County Sanitation District | Dennis McBride, City of Redding | Bob Gillette, Carollo Engineers | Roanne Ross, Whitley Burchett & Associates | Adam Zacheis, Carollo Engineers | | | | | |
| Room Monitor | Mark Chamberlin, Eastern Municipal Water District | Megan Yoo, Black & Veatch | Terry Powers, South Tahoe Public Utility District | Charles Arellano, Los Angeles County Sanitation Districts | Devina Douglas, So. San Luis Obispo County Sanitation | Alan Davis, Los Angeles County Sanitation Districts | TBD | Pavitra Prabhakar, Los Angeles County Sanitation Districts | Tom Hendrey, Whitley Burchett & Associates | Andrew Wiesner, Carollo Engineers | | | | | |
| SECTION | A | A | A1 | A2 | A | A | A | A | A | A1 | A2 | A | | | |
| Presentation Title | Developing a Successful Sewer Lateral Inspection Program | Biosolids Treatment and Disposal for Smaller Communities in California: Future Trends and Opportunities | Endocrine Disruption Detection in Wastewater Effluent Before and After Algal Channel Filtration | Trace analysis of Pharmaceuticals and Personal Care Products (PPCP) by LC-MS-MS in Wastewater and Groundwater | Saving Space with Electrical Equipment | How better parking can help water quality and how to explain it to the public | Understanding Flow Measurement Discrepancies | The Effective Utility Management Primer and Tool Box | Redefining Plant Capacity - The Impacts of Increased Sewage Strength | And They Say There's No "P" in Water | San Gabriel Basin Advanced Water Treatment Project For Groundwater Recharge | Long Term Pilot Study of Three Different Wastewater Filtration Technologies | | | |
| Speaker | Manuel Romero, City of Santa Barbara | David Bachtel, Lee & Ro | Rachel S. McCormick, City of Santa Rosa | Eric Nelson, Los Angeles County Sanitation District | Nathan Judd, Eaton | Juan Diaz-Carreras, MWH | Raluca Constantinescu, CH2M HILL | Donna Wies, Union Sanitary District | Doug Barber, CH2M HILL; Art O'Brien, City of Roseville | Wen-Yi Shih, Carollo Engineers | Paul Wallace and Azadeh Rahvarian, MWH | Onder Caliskaner and Kevin Farthing, Kennedy /Jenks Consultants; Yan Seiner and Bill Bennett, Metropolitan Wastewater Management Commission | | | |
| BREAK (10 min) | | | | | | | | | | | | | | | |
| SECTION | B | B1 | B2 | B | B | B | B | B | B | B1 | B2 | B1 | B2 | | |
| Presentation Title | Reducing SSOs - Getting to The Root of The Problem | Eastern Municipal Water District Completes a WAS Thickening Expansion Using RDTs | Pilot Plant Testing to Determine the Effectiveness of Dry Carbon Injection to Remove Mercury and Other Toxics from Multiple Hearth Incinerator Exhaust | Protozoans and Metazoans | New Harmonic Mitigation Techniques for Applying VFD's in the W/WW Industry | Using Community Input to Create a Successful Digester Complex Design | Chemical Systems - Pump Options and System Design | Manager's Guide to Sustainability and Asset Management | A Rational Approach to Estimating Capital Costs for Wastewater Regionalization Analysis | More Demand than Supply - Rosamond's Approach to Maximizing Recycled Water Use | Water Reuse - What Makes it Tick and What Doesn't | Evaluation and Selection of Tertiary Filtration Upgrade for the Donald C. Tillman Water Reclamation Facility | Solution of Depth Filtration Equation | | |
| Speaker | Ken Holmes, Holmes International | Rajesh Doppalapudi, Carollo Engineers | Craig Mizutani, Central Contra Costa Sanitary District | Victor Santa Cruz, Inland Empire Utilities Agency | Kelvin J. Hurdle, Rockwell Automation | Bonnie M. Jones, San Francisco Public Utilities Commission | Tim Berschauer, Charles P. Crowley Company | Dan Baker, Carollo Engineers | Andre Gharagozian, Carollo Engineers | Amanda Schmidt, RMC Water & Env.; Dennis LaMoreaux, Rosamond Community Services District | Asavari V. Devadiga, Environmental Science Associates | Michael Sarullo, City of Los Angeles, Bureau of Engineering | Onder Caliskaner, Kennedy/Jenks Consultants | | |
| BREAK (10 min) | | | | | | | | | | | | | | | |
| SECTION | C | C | C | C | C | C | C1 | C2 | C1 | C2 | C1 | C2 | C1 | C2 | |
| Presentation Title | Private Sewer Lateral Inspection and Maintenance Practices in California | Overview of Best Anaerobic Digestion Technologies When Sustainability is Important | Trace Metals in POTW Samples by ICPMS Cell Based Techniques -Optimizing Interference Reduction for Better Compliance Data, Especially for Selenium | Successful Integration of Plant Control and SCADA Systems for the State's Most Innovative MBR Facility | Healthy Auburn Waters - A Simple Message for a Complex Problem Builds Public Stewardship | "The Road to PdM Excellence" - Orange County Sanitation District Winner Uptime Magazine "Best Vibration Analysis Program 2008" | Unconventional Air Plenum Repair, Part II-How We Fixed Our Legacy of Air Leaks | A Simplified Approach to Asset Information Management for Mid-Size Utilities | Strengthening Asset Management Practices Through Gap Analysis | Design for Success - The Lancaster WRP Experience | Bringing Wastewater Treatment and Water Reclamation to the Morongo Basin | Purple Water - Installing a Recycled Water Distribution System | Transferring Nutrients to Recycled Water Saves Energy and Provides Sustainable Approach for Agricultural Use | Cost Effectiveness & Environmental Benefits of Combined Ozonation - UV System for Water Reclamation and Surface Water Discharge | Comparative Evaluation of Advanced Reclaimed Water Disinfection Technologies |
| Speaker | Heidi G. Oriol, East Bay Municipal Utility District | James Marx, AECOM Water | Peter Halpin, Caltest Analytical Laboratory | Bill Ettlich, HDR Engineering | Jennifer Harrison, J Harrison Public Relations | Santiago Escobar, Orange County Sanitation District | Nathan Hodges, Central Contra Costa Sanitary District | Leslie Chau, Kennedy/Jenks Consultants | Randy Weaver, GHD; Helen Ling and Darren Greenwood, City of Livermore | Roger Stephenson, MWH; Tom Weiland, Los Angeles County Sanitation Districts | Joseph Glowitz, Hi-Desert Water District; Jeffrey Mohr, MWH | Gregg Cummings, Kennedy/Jenks Consultants | Graham J.G. Juby, Carollo Engineers | Vijay Sundaram, ECOLOGIC Engineering | Nicola Fontaine, Carollo Engineers |

THURSDAY, APRIL 30, 2009 -- MORNING SESSIONS

| CWEA Committee | Collection Systems | Biosolids | Laboratory Training | Operator Training | Safety | Maintenance Training | Supergroup | Engineering & Research | Engineering & Research | Engineering & Research | | | | |
|--------------------|--|---|---|---|---|--|---|--|---|---|---|--|--|---|
| Session # | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | | | |
| Session Title | <i>Collection Systems Management</i> | <i>Biosolids Processes</i> | <i>Laboratory</i> | <i>Process Ops, Troubleshooting, and Decision Support</i> | <i>Safety</i> | <i>Mechanical Maintenance</i> | <i>Financial Planning, Financing, and Sewer Rates</i> | <i>Wastewater Treatment</i> | <i>Process Modeling & Design</i> | <i>Membranes</i> | | | | |
| Room # | Primrose B | Mesquite D & E | Mojave | Mesquite C | Mesquite B | Mesquite G & H | Sierra | Pasadena | Primrose D | Primrose C | | | | |
| Session Chair | Mark Chamberlin, Eastern Municipal Water District | Jonathan C. Hay, Black & Veatch | Cassie Prudhel, City of South San Francisco | Richard Watts, City of Riverside | Steve Laren, Delta Diablo Sanitation District | Roy Reynolds, Orange County Sanitation District | Dave Kachelski, Veolia Water North America | Pavitra Prabhakar, Los Angeles County Sanitation Districts | Pavitra Prabhakar, Los Angeles County Sanitation Districts | Pavitra Prabhakar, Los Angeles County Sanitation Districts | | | | |
| Session Moderator | Joe Flores, City of Victorville | Jonathan C. Hay, Black & Veatch | Diane Lawver, Quality Assurance Solutions | Richard Watts, City of Riverside | Larry Olivian, Oro Loma Sanitary District | Roy Reynolds, Orange County Sanitation District | Jean Premutati, Marina Coast Water District | Toby Weissert, Carollo Engineers | Onder Caliskaner, Kennedy Jenks Consultants | Shane Trussell, Trussell Technologies | | | | |
| Room Monitor | Rick Lewis, Hi-Vac Corporation | Megan Yoo, Black & Veatch | Sara Burke, South Bayside System Authority | Charles Arellano, Los Angeles County Sanitation Districts | TBD | Alan Davis, Los Angeles County Sanitation Districts | Paula Riso, Marina Coast Water District | Wen-Yi Shih, Carollo Engineers | Susan Dahlheimer, Kennedy Jenks Consultants | Joanne Chiu, Trussell Technologies | | | | |
| SECTION | A | A | A | A | A | A | A | A | A | A | | | | |
| Presentation Title | No Presentation CONSIDER ATTENDING THE COLLECTIONS SYSTEMS BREAKFAST MEETING 7:00 AM Buy ticket @ Reg Desk | Food Waste Digestion with Excess Digester Capacity for Economical Energy Production | No Presentation CONSIDER ATTENDING THE LABORATORY COMMITTEE BREAKFAST MEETING 7:00 AM Buy ticket @ Reg Desk | Trouble Passing Your Wastewater Treatment Plant Operator Exam | The First 72 Hours After A Disaster - Would You Survive | Identifying Root Causes of Chronic or Catastrophic Failure in Mechanical Systems | The Sky is Falling & Costs Exploding - Ideas to Counter Future Cost Increases | No Presentation CONSIDER ATTENDING THE ENGINEERING & RESEARCH COMMITTEE MEETING 7:00 AM | No Presentation CONSIDER ATTENDING THE ENGINEERING & RESEARCH COMMITTEE MEETING 7:00 AM | No Presentation CONSIDER ATTENDING THE ENGINEERING & RESEARCH COMMITTEE MEETING 7:00 AM | | | | |
| Speaker | | Andrew de Boer, Kennedy/Jenks Consultants | | Jim Willis, State Water Resources Control Board | Jerry Bach, Safety Center | Kevin Paulsen, Henkel Loctite | Thomas D. Hendrey, Whitley Burchett & Associates | | | | | | | |
| BREAK (10 min) | | | | | | | | | | | | | | |
| SECTION | B | B1 | B2 | B | B1 | B2 | B | B | B | B1 | B2 | B | B | |
| Presentation Title | Overview of Maintenance Hole Problems and Rehabilitation Methods | Utilizing State-of-the-Art Siloxane Removal at the Inland Empire Utilities Agency | A New Thermal Process for Energy Efficiently Converting Biosolids to a Renewable Fuel is Operating | Is Your Laboratory Certifiable - Requirements of The California Environmental Laboratory Accreditation Program (ELAP) | Process Modifications to Control Foaming in Aeration Tanks | Potential Causes and Solutions to Intermittent Coliform Exceedances in Tertiary Effluent | After the Disaster - Business Continuity Planning for Wastewater Utilities | Powder Coating for Corrosion Resistance and Chemical Protection of Pipes, Pumps in Sanitation & Water Plants | We've Got The Green To Keep California's Water Clean | Design and Grit Removal Performance Testing of Vortex Grit Tanks | Using Clarifier Safety Factor to Predict Secondary Clarifier Performance | Design of Sequencing Batch Reactors Using Simulation Models | Membrane Technologies - Past, Present, Future | |
| Speaker | David Badgley, Sancon Engineering | Jon Ciccotelli, MWH | Raymond J. Kearney, Enertech Environmental | Steve Boggs, State of California | Robert B. Stallings, AECOM Water | Brad Milner, Kennedy/Jenks Consultants | David Patzer, Risk Management Solutions | Kevork Dekmezian and Lenny LaVache, Electra-Bond | Christopher Stevens, State Water Resources Control Board | Alexander Borys, East Bay Municipal Utility District | Coenraad Pretorius, Carollo Engineers | Jim Geselbracht, Water Works Engineers | Val S. Frenkel, Kennedy/Jenks Consultants | |
| BREAK (10 min) | | | | | | | | | | | | | | |
| SECTION | C | C | C | C | C | C | C | C | C | C | C1 | C2 | C1 | C2 |
| Presentation Title | Economical Multi-Sensor Inspection of Collection Systems | Solids Disposal Cost Stabilization Through Implementation of New Biological Process | How to Detect Data Integrity Vulnerabilities in Your Laboratory | Commissioning a New 5.0-MGD MBR - Operations Lessons Learned | Toxic Chemical Release or Earthquake - When the Fireworks Fly, Will You be Prepared for an Emergency? | Bearing Hands-On Failure Workshop-Part 1 | Financial Planning - Incorporating Asset Management Financing at Your Utility | Designing the Impossible - On-Site Effluent Disposal System | Use of Online Analyzers and BIOWIN Modeling to Evaluate Alternatives for Improving NDN Performance | Modeling Natural Treatment Systems - A Case Study at Maxwell PUD | Selection of the Most Suitable Technology for the Treatment of Ultrafiltration Membranes for Reject from Perris Water Filtration Facility | Bench-Scale and Pilot-Scale Testing of Alternative High-Pressure Membranes for Water Reclamation | | |
| Speaker | Gordon Henrich, RedZone Robotics; David Badgley, Sancon Engineering | Joseph Hanford, Big Bear Area Regional Wastewater Agency | Diane Lawver, Quality Assurance Solutions | Christopher Harre and Frank Chua, HydroScience Engineering | Zoeanne Tafolla and Barry Pomeroy, Vallejo Sanitation & Flood Control District | William Frabell, Koyo Corporation of USA | Kaumudi Atapattu, Carollo Engineers | Mike Ducker, HydroScience Engineers | Jeffrey Weiss, Los Angeles County Sanitation Districts | Carlos Diaz, Winzler & Kelly | Ufuk Erdal, CH2M HILL | Bruce Mansell, Los Angeles County Sanitation Districts | | |
| BREAK (10 min) | | | | | | | | | | | | | | |
| SECTION | D | D1 | D2 | D | D1 | D2 | D | D | D1 | D2 | D | D1 | D2 | D |
| Presentation Title | SSO Reduction Strategies - CVCWA and BACWA Efforts to Develop Useful Tools To Help Small System Operators | Anaerobic Digestion - Sustainability by Improving Mixing Efficiency | Getting Ahead of Foam - Digester Foam Control Design Considerations and Case Studies | Better Living Through Chemistry | Struvite and Vivianite Scaling - What can be done to prevent this from happening | BPR - Working Smarter and Harder | Confined Space - What Do The Regulations Really Mean | Bearing Hands-On Failure Workshop-Part 2 | Obtaining "Fair Share" Local Sewer Fees | Navigating the Maze - SRF Financing from an Engineering and Public Works Perspective | Feasibility Evaluation of Potable Water Arsenic Removal And Onsite Wastewater Treatment and Disposal | Identification & Application of Physical and Chemical Parameters to Predict Indicator Bacterial Concentration in a Small Californian Creek | Characterization of Bacterial Communities Along Santa Ana River Using Several Analytical Methods by OCWD | Advanced Membrane Treatment of Wastewater and Resulting Aquatic Impact of Microconstituents in Receiving Waters |
| Speaker | Ken Holmes, Holmes International; Warren Tellefson, Placer County - Holmes International; Andy Morrison, Union Sanitary District | Neil Massart, Black & Veatch | Kenneth D. Fonda, Brown and Caldwell | David Jenkins, David Jenkins and Associates | Paul Friedlander and Rudy Kilian, Carollo Engineers | Jorj Long, Black & Veatch | Paul R. Burnett, Santa Clara Valley Water District | William Frabell, Koyo Corporation of USA | Nick Arhontes, Orange County Sanitation District | Tiffany Knapp, ECO:LOGIC Engineering | David Bachtel, Lee & Ro | Hun-Kyun Bae, University of California, Irvine | Menu B. Leddy, Orange County Water District | Andrew Salvesson, Carollo Engineers |

THURSDAY, APRIL 30, 2009 -- AFTERNOON SESSIONS

| CWEA Committee | Collection Systems | Biosolids | Engineering & Research | Operator Training | Pollution Prevention, Pre-Treatment and Stormwater | Government Affairs | Supergroup | Engineering & Research | Engineering & Research | Engineering & Research | | | | |
|--------------------|---|--|---|---|---|--|--|---|--|---|--|--|---|---|
| Session # | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | | |
| Session Title | <i>Collection Systems Training</i> | <i>Biosolids Dewatering and Drying</i> | <i>Sustainable and Green Design</i> | <i>Biosolids Processes</i> | <i>Source Control & Pre-Treatment</i> | <i>Regulatory Issues & Permitting</i> | <i>Project & Program Management, Procurement, and Construction Management</i> | <i>Wastewater Treatment</i> | <i>Disinfection</i> | <i>Water Reclamation & Reuse Issues</i> | | | | |
| Room # | Primrose B | Mesquite D & E | Mojave | Mesquite C | Mesquite B | Mesquite G & H | Sierra | Pasadena | Primrose D | Primrose C | | | | |
| Session Chair | Mark Chamberlin, Eastern Municipal Water District | Jonathan C. Hay, Black & Veatch | Pavitra Prabhakar, Los Angeles County Sanitation Districts | Richard Watts, City of Riverside | Michael Simpson, City of Los Angeles | Nichole Baker, RMC Water and Environment | Dave Kachelski, Veolia Water North America | Pavitra Prabhakar, Los Angeles County Sanitation Districts | Pavitra Prabhakar, Los Angeles County Sanitation Districts | Pavitra Prabhakar, Los Angeles County Sanitation Districts | | | | |
| Session Moderator | Joe Flores, City of Victorville | Rob Morton, Los Angeles County Sanitation Districts | Paul Friedlander, Carollo Engineers | Richard Watts, City of Riverside | John Mukhar, City of San Jose | Luis Leon, CDM | Paula Riso, Marina Coast Water District | Dave Bachtel, Lee & Ro | Zeynep Erdal, CH2M HILL | Hany Gerges, HDR | | | | |
| Room Monitor | Mark Chamberlin, Eastern Municipal Water District | Jake Holden, Black & Veatch | Matt Copeland, Los Angeles County Sanitation Districts | Charles Arellano, Los Angeles County Sanitation Districts | Norman Domingo, South Bayside System Authority | Chandra Johannesson, City of Riverside | Jean Premutati, Marina Coast Water District | Jennifer James, Los Angeles County Sanitation Districts | Vivek Shyamasundar, CH2M HILL | Malika Jones, Los Angeles County Sanitation Districts | | | | |
| SECTION | A | A | A | A | A | A | A | A1 | A2 | A1 | A2 | A | | |
| Presentation Title | SSO-WDR Reporting Requirements and Tips | California's First Design-Build Biosolids Recycling Facility, Three years of Operation & Lessons Learned | Fuel Cell Success Stories - Operating Success at City of Tulare, Eastern Municipal Water District & City of Turlock/TID | Belt Filter Press Operator Training Manual | Important Elements When Considering a FOG Program | City of Los Angeles Onsite Wastewater Treatment Systems (OWTS) Management Program | The 5-year CIP - Controlling Flooding & Odor in San Francisco | Construction and Start-up of a BioLac Secondary Treatment System at the Coachella Valley Water District | Rancho California Water District's Wastewater Treatment Facility Expansion - Design and Construction Stage Overviews | Study of Alternatives to Reduce DBPs in the Wastewater Treated Effluent | UV Disinfection System Commissioning: Plug and Play or Pray It'll Play | Cost-Effective Technologies for Small-Scale Water Reuse | | |
| Speaker | Jody Allen, South Placer Municipal Utility District | Ruben Robles, Sacramento Regional County Sanitation Districts | Tom Mossinger, Carollo Engineers | Paul Bland, Ashbrook Simon-Hartley | H. Josef Denk, City of San Jose | Hyginus Mmeje and Chandra Silaban, City of Los Angeles Department of Public Works | Bessie Tam, City & County of San Francisco, Project Management Bureau | Bill Aguirre, Lee & Ro | Graham Juby, Carollo Engineers | Jenny Reina, CH2M HILL | Phil Ackman, Los Angeles County Sanitation Districts | Andrew Salvesson, Carollo Engineers | | |
| BREAK (10 min) | | | | | | | | | | | | | | |
| SECTION | B | B | B1 | B2 | B | B | B | B | B1 | B2 | B1 | B2 | B1 | B2 |
| Presentation Title | Implementing an Effective SSMP Using Innovative GIS Solutions | Improving Sludge Dewatering and Conditioning Using Nanomaterials | Got Gas? How to Inventory Your Greenhouse Gas Emissions. | Digester Gas Fuel Cell Project - Lessons Learned | Digester Cleaning - The Anatomy of a Turkey | FOG Control & Reuse by the San Francisco Public Utilities Commission | Challenges of Developing a Regional SSMP | Project Management - Art, Science, or Both | Meeting Today's Nutrient Removal Treatment - Challenges in The City of Los Angeles Water Reclamation Plants | Using MBBRs to Meet ENR Nitrogen Levels for Over 8 Years. | Virus and Bacterial Inactivation by Sequential Chlorination - Pilot-Scale Evaluation | Combining UV and Chlorination for Disinfection of Wastewater Effluents and Reclaimed Water | A New Northern California Agricultural Recycled Water Project for the Pajaro Valley | Water, Water, Everywhere and Every Drop to Drink: Securing San Diego's Water Future |
| Speaker | Yazdan Emrani, Advanced Infrastructure Management | Ganesh Rajagopalan, Kennedy/Jenks Consultants | Sarah Deslauriers, Carollo Engineers | Thomas Hendrey, Whitley Burchett & Associates | Joseph Augustine, East Bay Municipal Utility District | Lewis Harrison, Jignesh Desai, and Domenech Jolis, San Francisco Public Utilities Commission | Mai-Tram Le and Mitch Maidrand, Sacramento Regional County Sanitation District; Bob Woodhouse, CH2M HILL | Madan Arora, Parsons | Slavica Dedovic-Hammond, MWH | Tom Wilson, AECOM Water | Shiaw-Jy Huitric, Los Angeles County Sanitation Districts | Naoko Munakata, Los Angeles County Sanitation Districts | Dennis Gellerman, RMC Water and Environment | To Be Determined, Carollo Engineers |
| BREAK (10 min) | | | | | | | | | | | | | | |
| SECTION | C | C | C1 | C2 | C1 | C2 | C | C | C | C | C1 | C2 | C | |
| Presentation Title | Trenchless Pipeline Rehabilitation Overview | Carbon Sequestration and Footprint Analysis of Biosolids Transportation to Points of Disposal in The United States | The Future of Green Energy Technologies (Solar, Fuel Cells, and Algae) | Wind Turbines in WWTP's | Utilizing Internal Audits to Improve Biosolids Operations | Benefits of Total Solids Measurement in the Wastewater Treatment Process | Reduction of Chloride Loading from Residential Sources | Current Trends in Regionalizing Wastewater Treatment Facilities | IT Disaster Recovery Planning and Wastewater Treatment Plants | Expanding an Oxidation Ditch with a Parallel MBR | Practical Consideration of Applying UV Technology for Reuse Water Applications | A Performance and Cost Evaluation for Alternative Technologies for Kansas City, MO | Converting an MBR to a Dedicated Plant to Provide Recycled Water for Cooling, Toilet Flushing, and Irrigation | |
| Speaker | David Badgley, Sancon Engineering | Diego Rosso and Allen Chau, University of California, Irvine | Tom Mossinger, Carollo Engineers | Richard Konieczka, Earth Wind and Power | Debbie Biggs, Encina Wastewater Authority | Troy Reynolds, Metso Automation | Paul Martyn, Los Angeles County Sanitation Districts | Michael Harrison, ECO:LOGIC Engineering | Mike Gill, Union Sanitary District | James Jetton and Frank Chua, HydroScience Engineers | Jennifer Muller, Trojan Technologies | Andrew Salvesson, Carollo Engineers | Bill Slenker, HydroScience Engineers | |

FRIDAY, MAY 1, 2009 -- MORNING SESSIONS

| CWEA Committee | Collection Systems | Student & Young Professionals | Supergroup | Operator Training | Pollution Prevention, Pre-Treatment and Stormwater | Government Affairs | Supergroup | Collection Systems | Engineering & Research | Engineering & Research | | | | | |
|--------------------|--|--|--|---|--|---|--|---|---|---|---|--|--|--|--|
| Session # | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | | | | | |
| Session Title | <i>Collection Systems Training</i> | <i>Student Projects & Research</i> | <i>Asset Management</i> | <i>Engineering & Operations for Energy Optimization and Conservation</i> | <i>Industrial Wastewater Treatment</i> | <i>Regulatory Issues & Permitting</i> | <i>Project & Program Management, Procurement, and Construction Management</i> | <i>Sewer Condition Assessment and Decision Support</i> | <i>Water Resources Management</i> | <i>Activated Sludge</i> | | | | | |
| Room # | Primrose B | Mesquite D & E | Mojave | Mesquite C | Mesquite B | Mesquite G & H | Sierra | Pasadena | Primrose D | Primrose C | | | | | |
| Session Chair | Mark Chamberlin, Eastern Municipal Water District | Jennifer Ku, East Bay Municipal Utility District | Dave Kachelski, Veolia Water North America | Richard Watts, City of Riverside | Michael Simpson, City of Los Angeles | Nichole Baker, RMC Water and Environment | Dave Kachelski, Veolia Water North America | Mark Chamberlin, Eastern Municipal Water District | Pavitra Prabhakar, Los Angeles County Sanitation Districts | Pavitra Prabhakar, Los Angeles County Sanitation Districts | | | | | |
| Session Moderator | Jim Aanderud, Innerline Engineering | Jennifer Ku, East Bay Municipal Utility District | Dale Ducharme, Veolia Water | Richard Watts, City of Riverside | Norman Domingo, South Bayside System Authority | Carl Chester, Central Contra Costa Sanitary District | Dave Kachelski, Veolia Water North America | Denis Pollak, V&A | Kris Flaig, City of Los Angeles | Phil Ackman, Los Angeles County Sanitation Districts | | | | | |
| Room Monitor | Rick Lewis, Hi-Vac Corporation | Fran Smith, Brown and Caldwell | TBD | Charles Arellano, Los Angeles County Sanitation Districts | John Mukhar, City of San Jose | Nichole Baker, RMC Water and Environment | TBD | Jim Gusman, City of Carlsbad | Christina Hartinger, Black & Veatch | Jeff Weiss, Los Angeles County Sanitation Districts | | | | | |
| SECTION | A | A | A | A | A | A | A | A | A | A | | | | | |
| Presentation Title | Tunneling - Protecting The Environment While Golfers Play Through | No Presentation CONSIDER ATTENDING THE STUDENT & YOUNG PROFESSIONALS COMM. BREAKFAST MEETING 7:00 AM Buy ticket @ Reg Desk | No Presentation CONSIDER ATTENDING THE SUPERGROUP COMMITTEE BREAKFAST MEETING 7:00 AM Buy ticket @ Reg Desk | No Presentation CONSIDER ATTENDING A CWEA COMMITTEE BREAKFAST MEETING 7:00 AM Buy ticket @ Reg Desk | Membranes for Industrial Treatment - They're Not Just for Municipal Applications Anymore | You, Me, the SSO GWDR, and the Triennial Review Kick-off | No Presentation CONSIDER ATTENDING THE SUPERGROUP COMMITTEE BREAKFAST MEETING 7:00 AM Buy ticket @ Reg Desk | No Presentation CONSIDER ATTENDING A CWEA COMMITTEE BREAKFAST MEETING 7:00 AM Buy ticket @ Reg Desk | No Presentation CONSIDER ATTENDING THE ENGINEERING & RESEARCH COMMITTEE BREAKFAST MEETING 7:00 AM Buy ticket @ Reg Desk | No Presentation CONSIDER ATTENDING THE ENGINEERING & RESEARCH COMMITTEE BREAKFAST MEETING 7:00 AM Buy ticket @ Reg Desk | | | | | |
| Speaker | Paul Seitz, Central Contra Costa Sanitary District; Tim Tekippe, Carollo Engineers | | | | Gregg Cummings, Kennedy/Jenks Consultants | James Fischer, State Water Resources Control Board | | | | | | | | | |
| BREAK (10 min) | | | | | | | | | | | | | | | |
| SECTION | B | B1 | B2 | B | B | B1 | B2 | B | B | B | B1 | B2 | | | |
| Presentation Title | Is Microtunneling Becoming a Dinosaur - New Alternatives for Trenchless Pipeline Installation | Avoiding the Silver Lining - Potential Consequences of Nanosilver | Boron Removal from Produced Water by Co-Precipitation/Absorption for Raw Water and Reverse Osmosis Concentrate | Sewer Testing and Flow Monitoring Program Minimizes District Asset Costs and Reduces the Risks of Overflows | Managing Power as a Strategic Asset | "Greening" of Industrial Dischargers Through an Industry Advisory Council | Local Limits Development for Multiple Treatment Plants, Discharge Permits and | Determination of Site-Specific Water Quality Criteria for Metals Using Water Effect Ratio Procedures | Maintenance Management Programs - What Are You Trying to Accomplish | Large SSO Case Study - From Sinkholes to Success | Technology Based Collaborative Approach to Groundwater Basin Management | Putting Theory into Practice: Nitrogen Removal Using the Modified Ludzack-Ettinger (MLE) Process | | | |
| Speaker | Kevin Calderwood and Glenn Haermanson, RMC Water and Environment; Marc Gelinias, DCM Engineering | Joyce Chai, 2008 Stockholm Jr. Water Prize International Winner | Imran Rahman, Cal Poly San Luis Obispo | Raymond Brown, Truckee Sanitary District | Del Hoffman, Dublin San Ramon Services District | Philip Lo and Paul Martyn, Los Angeles County Sanitation Districts | Rich von Langen, HDR Engineering | Jeffery Cotsifas, Pacific EcoRisk | Lori S. Weiss, ADS Environmental Services | Tim F. Taylor, Carollo Engineers | Leslie L. Chau, Kennedy/Jenks Consultants | A. Graham Calciano, Nolte Associates; Betty H. Olson, University of California, Irvine | | | |
| BREAK (10 min) | | | | | | | | | | | | | | | |
| SECTION | C | C1 | C2 | C | C | C1 | C2 | C | C | C1 | C2 | C | C | | |
| Presentation Title | Contingency Planning for Repair of Orange County Sanitation District's 120-inch Ocean Outfall | Molecular Technique Detecting Nocardia spp. - Filamentous Organism Predominate in Bulking Activated Sludge | Response of Nitrate Sensors in a Saturated Column Packed with Soil from an Agricultural Site Irrigated with Recycled Water | Asset Management at the Encina Wastewater Authority | A Megawatt Saved is \$1 Million Earned - LACSD's Energy Efficiency Management Program | Influence of Toxins on Replicate MBR Microbial Community Dynamics | Production of Poly (hydroxyalkanoate) from Brewery Waste Concurrent with Wastewater Treatment: A Factorial Design Experiment | A Localized Mercury BioAccumulation Study - Results and Policy Implications | Keeping It On Track - How to Expedite Construction Communication | Risk-Based Pipeline Inspection and Renewal Prioritization | Internal Crew Survey - An Evaluation of Pipeline Maintenance Activities | Adaptive Management for Reclaimed Water to Lake Mead | Full Scale Testing for Sludge Retention Time (SRT) vs. Waste Activated Sludge (WAS) Production | | |
| Speaker | Jake Holden, Black & Veatch | Pitiporn Asvapathanagul, University of California, Irvine | Joseph Ferrer, Loyola Marymount University | Michael Steinlicht, Encina Wastewater Authority; Scott Goldman, RMC Water and Environment | Andre Schmidt, Los Angeles County Sanitation Districts | Michael Falk, HDR Engineering | Hsin-Ying Liu, University of California, Davis | Stephen McCord, Larry Walker Associates | Valerie Ratto, Black & Veatch | Jennifer Fan, MWH; Chris Pincherli, Long Beach Water Department | Michael Grinstead, Sacramento Area Sewer District | Lynn Orphan, Clean Water Coalition | YJ Shao and Margil Jimenez, Orange County Sanitation Districts | | |
| BREAK (10 min) | | | | | | | | | | | | | | | |
| SECTION | D | D1 | D2 | D1 | D2 | D1 | D2 | D | D | D1 | D2 | D | D | | |
| Presentation Title | Holistic Wet Weather Planning in the City of San Mateo | Development of a Quantitative PCR Method to Differentiate Between Viable and Non-Viable Bacteria in Environmental Water Samples | Yesterday's Dinner, Tomorrow's Energy: Source-Digester Gas Reuse at Wastewater Treatment Plants | Case Study - Honolulu Force Mains Condition Evaluation | Condition Assessment of OCSD's Ocean Outfall Booster Pump Station | Process Energy Efficiency Optimization: Pragmatic Approaches and Potential Benefits | Optimization of Pump Station Operations | Studying the Effects of Canning Season BODs on Land Application | Tri-Tac 2008 and Beyond | Proper Planning and Communications Delivers Trouble Free Facility Start-up | Use of Web-based Application for Managing Construction Projects | Making the Most of Your Sewer Inspection Dollars - The City of Downey's Collection System Assessment Program | Ocean Outfall Inspection Results | Integration of Natural Treatment Systems into Watershed Management Tools | Estimating Secondary Sludge Production at Trickling Filter/Activated Sludge Plants |
| Speaker | Lani Good, Brown and Caldwell | Phillip Gedalanga, University of California, Irvine | Megan Yoo, Black & Veatch | Jeff Moncrief, HDR Engineering; Glenn Wilson, V&A | Jonathan C. Hay, Black & Veatch | Scott Buecker, Water Works Engineers | Alex Ekster, City of San Jose | Matthew J. Wheeler, West Yost Associates | Valarie Housel, Jim Sandoval, and Matt Bao, Tri-TAC Chairs | James Wickstrom, Carollo Engineers; Hamid Sarvi, Fairfield-Suisun Sewer District | Polly Wong and Mohamed Bina, RMC Water and Environment; Dan Mueller, City of Downey | Paul Giguere and Karen Falk, RMC Water and Environment; Dan Mueller, City of Downey | Tadeo Vitko, Orange County Sanitation District | Jagjit Kaur, CH2M HILL | Andre Gharagozian, Carollo Engineers |

FRIDAY, MAY 1, 2009 -- AFTERNOON SESSIONS

| CWEA Committee | Collection Systems | Students & Young Professionals | Laboratory Training | Maintenance Training | Pollution Prevention, Pre-Treatment and Stormwater | Government Affairs | Supergroup | Technical Session | Engineering & Research | Engineering & Research | Safety | | | | |
|--------------------|---|---|--|---|---|---|--|--|---|--|--|--|--|---------------------------------------|----------------------------------|
| Session # | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | | | | |
| Session Title | <i>Sewer Condition Assessment and Decision Support</i> | <i>Student Projects & Research</i> | <i>Laboratory Analysis & Compliance Monitoring</i> | <i>Lift Station Design & Maintenance</i> | <i>Stormwater Management, Collection and Treatment</i> | <i>Regulatory Issues & Permitting</i> | <i>Personnel Supervision & Professional Growth</i> | <i>Energy Workshop</i> | <i>Wastewater Treatment</i> | <i>Water Reclamation & Reuse Issues</i> | <i>Safety</i> | | | | |
| Room # | Primrose B | Mesquite D & E | Mojave | Mesquite C | Mesquite B | Mesquite G & H | Sierra | Pasadena | Primrose D | Primrose C | Ventura | | | | |
| Session Chair | Mark Chamberlin, Eastern Municipal Water District | Jennifer Ku, East Bay Municipal Utility District | Cassie Prudhel, City of South San Francisco | Roy Reynolds, Orange County Sanitation District | Michael Simpson, City of Los Angeles | Nichole Baker, RMC Water and Environment | Dave Kachelski, Veolia Water North America | Andre Schmidt, Los Angeles County Sanitation Districts | Pavitra Prabhakar, Los Angeles County Sanitation Districts | Pavitra Prabhakar, Los Angeles County Sanitation Districts | Steve Laren, Diablo Delta Sanitary District | | | | |
| Session Moderator | Jim Aanderud, Innerline Engineering | Jennifer Ku, East Bay Municipal Utility District | Sara Burke, South Bayside System Authority | Roy Reynolds, Orange County Sanitation District | Michael Simpson, City of Los Angeles | Jonathan C. Hay, Black & Veatch | Dale Ducharme, Veolia Water | Andre Schmidt, Los Angeles County Sanitation Districts | Mike Selna (ret.), Los Angeles County Sanitation Districts | Pavitra Prabhakar, Los Angeles County Sanitation Districts | Steve Laren, Diablo Delta Sanitary District | | | | |
| Room Monitor | Mark Chamberlin, Eastern Municipal Water District | Fran Smith, Brown and Caldwell | Cassie Prudhel, City of South San Francisco | TBD | John Mukhar, City of San Jose | Sadie De Medeiros, CDM | TBD | Steven Hernandez, Los Angeles County Sanitation Districts | Lisa Ly, MWH | Susan Hsu, Los Angeles County Sanitation Districts | Larry Olivan, Oro Loma Sanitary District | | | | |
| SECTION | A | A1 | A2 | A | A | A | A | A1 | A2 | A1 | A2 | A | A | | |
| Presentation Title | Large Diameter Pipeline Condition Assessment Services | Potential for Biohydrogen Production at South Bayside System Authority | Quantification of Ammonia Volatilization During Sprinkler Irrigation of Recycled Water | ABCs of TREs and TIEs, including Selenastrum testing | Lift Stations - Electrical Design Considerations | Pilot Program that Implements BMP Innovations for Pretreatment of Stormwater During Rain Events | Current Issues in the Enforcement of Mandatory Minimum Penalties Against NPDES Permit Holders | Knowledge Management Solutions for Workforces in Transition | Cross Training Project Managers for Succession Planning | SCE 2009 - 2011 Energy Efficiency and Demand Response Program Update | Implementation of Utility Energy Efficiency Program in Municipal Wastewater Treatment Facilities | High Performance Ozone-Peroxide: An Effective, Cost-Efficient Advanced Oxidation Process (AOP) For Targeting Emerging Contaminates in Contaminated Groundwater | Free-Radical-Induced Oxidative and Reductive Degradation of Fibrate Pharmaceuticals - Kinetic Studies and Degradation Mechanisms | Potable Reuse - Its Time Has Come | Gas Detection Fundamentals |
| Speaker | Gordon Henrich, RedZone Robotics; David Badgley, Sancon Engineering | Cheng-Yao Tsai, University of California, Irvine | Sarika Doshi and Jose Saez, Loyola Marymount University | Stephen L. Clark, Pacific EcoRisk | Raluca F. Constantinescu, CH2M HILL | Don Wasko, Carlsbad Public Works | Reed Sato, State Water Resources Control Board | Dan Baker, Carollo Engineers | Tom Godsey, Central Contra Costa Sanitary District | James Pasmore, Jr., Southern California Edison | Steve Fok and Cecilia Tai, Pacific Gas & Electric | Arturo A. Burbano, MWH Americas | Behnaz Razavi, University of California, Irvine | Rob Morrow, RMC Water and Environment | Bob Comer, Industrial Scientific |
| BREAK (20 min) | | | | | | | | | | | | | | | |
| SECTION | B | B | B | B | B | B | B | B | B | B1 | B2 | B | B | | |
| Presentation Title | Line Cleaning, Sewer Hose Maintenance, Nozzle Selection and Truck Maintenance | Oxidative and Reductive Degradation of Fluoroquinolones - Evaluation of Rate Constants and Identification of Degradation Products | DMRQA The Easy Way | Challenges in Replacing Wastewater Lift Stations - Case Studies | Tale of Two Cities - Urban Runoff Pollutant and Source Elimination Parallel Approaches for Two San Diego Municipalities | The Spirit of Title 22 - Expanding Recycled Water Uses Beyond Irrigation | An Innovative Approach to Creating a New Generation of Treatment Plant Operators | Energy Star Benchmarking - How Does Your Wastewater Treatment Facility Compare to Other Facilities | Pilot Testing MF-Ozone-BAC Process Train for Removal of EDCs, PPCPs, and other Emerging Contaminates of Concern | Advanced Wastewater Treatment Produces Drinking Water Quality Effluent | Pilot Testing of Zero Liquid Discharge Technologies Using Brackish Groundwater for Inland Desert Communities | Exercising the NIMS Way | | | |
| Speaker | Rick Lewis, Hi-Vac Corporation | Hanoz Santoke, University of California, Irvine | Tom Widera, Environmental Resource Associates | Jim Baird, Romtec Utilities | Rosanna Lacarra, PBS&J | Courtney Rubin, City of Redwood City; Roanne Ross, Whitley Burchett & Associates | Michael Scahill, Central Contra Costa Sanitary District | Cheryl McGovern, Environmental Protection Agency | Vijay Sundaram, ECO.LOGIC Engineering | Domenech Jolis, San Francisco Public Utilities Commission | Andrew Wiesner, Carollo Engineers | Mike Shatynski, Los Angeles County Sanitation Districts | | | |
| BREAK (5 min) | | | | | | | | | | | | | | | |
| SECTION | C1 | C2 | C | C | C | C | C | C | C | C1 | C2 | C1 | C2 | C | |
| Presentation Title | High-Strength Restrained-Joint PVC Pipe for Directional Drilling & Pipebursting | The Importance of Specifications, Quality Control, Surface Preparation, and Inspection on Concrete Coating Applications | Microbial Efficacy of Innovative Water Reuse Technologies | Getting Data Quality into CIWQS | A Model Design - Pump Station 1/6 Scale Physical Modeling Solves Complex Design Issues for Large Pumping Stations | Utilization of Advanced Treatment Technologies to Meet Stringent Discharge Limits on Stormwater Overflows | Sustainability of the Clean Water Act and an Update of the New Congressional and Presidential Leadership | A Competency Based Training System That Works | No Presentation | Protocol For An Advanced Water Purification Facility Proof Pilot Testing Program | Non-Thermal Plasma - A Novel and Cost Effective Advanced Oxidation System | Enhancement of Overall Desalination Plant Recovery Through Brine Minimization for Inland Desalination Plants | Maximizing a Valuable Resource - Inland Empire Recycled Water Program | CalARP/RMP/PSM Five-Year Updates | |
| Speaker | John Ostermann, CertainTeed Corporation | Mike Oriol, V&A | Jeff Bandy, Duke University | William (Bill) Ray, State Water Resources Control Board | Rob Williams, HDR Engineer | Joyce T. Lee, MWH Global | Robert Matthews, CDM | James Mcpherson, Union Sanitary District | Rajat Kanti Chakraborti, CH2M HILL | Andrew Salveson, Carollo Engineers | Wen-Yi Shih, Carollo Engineers | Mike Matson, RMC Water and Environment; Amy Jones, Inland Empire Utilities Agency | Ester Brawley-Roehl, Risk Management Professionals | | |