

**2010 WATER QUALITY AND REGULATORY CONFERENCE
WITH SECURITY & EMERGENCY RESPONSE**

**Doubletree Hotel and Convention Center
Ontario, California
November 3-4, 2010**

AGENDA (DRAFT)

Wednesday, November 3

7:30 On-site registration and check-in

8:00 Opening Remarks – Room D
Rita Schmidt Sudman, Water Education Foundation
Rick Karlin, Water Research Foundation
Jo McAndrews, McAndrews & Boyd

Room A

8:30 – 9:00 Pharmaceuticals and Personal Care Products, What’s Everyone Talking About?
William J. Cooper, Professor and Director Civil and Environmental Engineering, Urban Water Research Center, University of California, Irvine

9:00 – 9:30 Prioritization of Pharmaceuticals and Other Emerging Contaminants for Environmental Monitoring
Keith A. Maruya, Principal Scientist, Southern California Coastal Water Research Project

9:30 – 10:00 BREAK in Exhibit Hall

10:00 – 10:30 Regulations and Pharmaceuticals
Bruce Macler, US Environmental Protection Agency, Region IX

10:30 – 11:00 Occurrence of Pharmaceuticals and Personal Care Products in Three California Watersheds
Y. Carrie Guo, Metropolitan Water District of Southern California

11:00 – 11:30 Pharmaceuticals in Drinking Water: What We Know About the Potential for Human Health Effects
Richard C. Pleus, Intertox

11:30 to 12:00 Enhancing Biofiltration to Improve the Removal of Inorganic and Organic Contaminants
Jess Brown, Ph. D., P.E., Carollo Engineers

12:00 – 1:30 Lunch
Shannon E. Cunniff, Director, Chemical and Material Management, Office of the Deputy Under Secretary of Defense (Installations and Environment)

- 1:30 – 2:00** **Removal of Emerging Contaminants (PPCP/EDC)**
Professor Christopher Bellona, Colorado School of Mines
- 2:00 – 2:30** **Pomona’s Neighborhood Friendly Harrison Well Ion Exchange Treatment Facility
Will Help Kids to Learn Their ABC’s About Water**
Jim Taylor and Raul Garibay, City of Pomona
Khalil Kairouz and Judy Graham, Carollo Engineers
- 2:30 – 3:00** **BREAK in Exhibit Hall**
- 3:00 – 3:30** **Full-scale Biological Fluidized Bed Drinking Water System for Nitrate and
Perchlorate Treatment**
Todd S. Webster, Ph.D., P.E. Envirogen Technologies, Incorporated
Tom Crowley, P.E. West Valley Water District
- 3:30 – 4:00** **Use of the EMCT Model and Pilot Testing to Evaluate the Performance of Highly
Perchlorate Selective Ion Exchange Resins**
Jason Yoshimura, CDM
- 4:00 – 4:30** **Nestle Water North America – Strategic Assessment**
Larry Lawrence, Natural Resource Manager, Nestle Water North America Inc.
- 4:30 – 6:00** **Exhibitor’s Hosted Reception**
Meet and Visit with Exhibitors

Wednesday, November 3

Room B

- 8:30 – 9:00** **Water Quality Impacts Due to Cyanotoxins in Sources of Drinking Water**
Karie Holtermann, Metropolitan Water District of Southern California
- 9:00 – 9:30** **Large-Scale Demonstration of Weak Base Anion Resin: Removing Perchlorate from Drinking Water**
Andrea Davis, Applied Research Associates
- 9:30 – 10:00** **BREAK in Exhibit Hall**
- 10:00 – 10:30** **Evaluation of Variability in Radionuclide Measurements in Drinking Water**
Yoon Cha, MWH Laboratories
- 10:30 – 11:00** **What Constitutes an Emergency? What Lessons do the most Significant and Public Environmental Crises ever to Occur in North America have for the Water Industry?**
Dr. Steve Reiber, Vice President, HDR Engineering
- 11:00 – 11:30** **Treatment of Arsenic and Selenium from IX Brine and RO Concentrate Using Innovative Green Technology**
Joon H. Min, PSOMAS
- 11:30 – 12:00** **Techniques to Maximize Arsenic GFO Treatment Media – A 4 ½ Year Perspective**
Doug Roff, AECOM
- 12:00 – 1:30** **Lunch**
Shannon E. Cunniff, Director, Chemical and Material Management, Office of the Deputy Under Secretary of Defense (Installations and Environment)
- 1:30 – 2:00** **EPA Federal Update**
Bruce Macler, US Environmental Protection Agency, Region IX
- 2:00 – 2:30** **Public Health Goal Update**
Robert Howd, Chief, Water Toxicology Section, OEHHA
- 2:40 – 3:00** **BREAK in Exhibit Hall**
- 3:00 – 3:30** **California Department of Health Update**
Heather L. Collins, Chief, Southern Coastal Section, California Department of Public Health, Division of Drinking Water and Environmental Management
- 3:30 – 4:00** **Effectiveness of the Ozone/BAC Process on the Removal of Emerging Contaminants from Recycled Water; Results of the City of Reno Indirect Potable Reuse Pilot Study**
Robert W. Emerick, PhD, P.E., Stantec
- 4:00 – 4:30** **Frontier Project: Demonstration in Innovative Storm Water Management Solutions**
Jo Lynne Russo-Pereyra, Assistant GM for External Affairs, Cucamonga Valley WaterDistrict

4:30 – 6:00 **Exhibitor's Hosted Reception**
Meet and Visit with Exhibitors

Wednesday, November 3

Room C

- 8:30 – 9:30** **ARk Storm**
Sue Perry, USGS Multi-Hazards Demonstration Project for Southern California
- 9:30– 10:00** **BREAK in Exhibit Hall**
- 10:00 – 10:30** **Economic Impacts of Ark Storm to California**
Dr. Anne Wein, Research Analyst, US Geological Survey Operations
- 10:30 – 11:30** **Collaboration with Water/Wastewater Agencies in an Emergency**
Mark Bassett, Regional Administrator, Cal EMA
- 11:30 – 12:00** **No Speaker**
- 12:00 – 1:30** **Lunch**
Shannon E. Cunniff, Director, Chemical and Material Management, Office of the Deputy Under Secretary of Defense (Installations and Environment)
- 1:30 – 2:00** **CalWARN Responses to Baja Earthquake to Imperial County**
Gary Sturdivan, Safety and Regulatory Affairs Director, East Valley Water District
- 2:00 – 2:30** **Earthquake Programs that are Available to Water and Wastewater Agencies through CalTech, Pasadena**
Margaret Vinci, Caltech Pasadena, Office of Earthquake Programs, Manager
Seismological Laboratory California Institute of Technology
- 2:30 – 3:00** **BREAK in Exhibit Hall**
- 3:00 – 4:00** **Multi-Hazard Partnerships and Collaborations**
John Bwarie, USGS
- 4:00 – 4:30** **No Speaker**
- 4:30 – 6:00** **Exhibitor's Hosted Reception**
Meet and Visit with Exhibitors

Thursday, November 4

Room A

- 8:00** **Coffee Service in the Exhibit Hall**
- 8:30 – 9:00** **Pilot Testing for Maximizing Recycled Water for Groundwater Recharge – A Case Study**
Christopher H. Yu, Vice President Water and Wastewater Infrastructure, PSOMAS
Paul Fu, Water Replenishment District of Southern California
- 9:00 – 9:30** **Evaluation of PPCP Occurrence in Wastewater Effluents, Are We Looking for the Right Things?**
Debbie Frank, MWH Laboratories
- 9:30 – 10:00** **BREAK in Exhibit Hall**
- 10:00 – 10:30** **Process Selection for Perchlorate Treatment at the City of Pomona: Maximizing Resources and Minimizing Costs**
Nicole Blute, Senior Project Manager, Malcolm Pirnie
- 10:30 – 11:00** **Electrodialysis Reversal Provides Effective Treatment Approach for Concentrating Reverse Osmosis Brine**
Andrew Wiesner, Carollo Engineers
- 11:00 – 11:30** **Achieving Long-term Sustainable Membrane Operation: Lessons Learned from 12 Real Stories**
Dr. YuJung Chang, Vice President, HDR Engineering
- 11:30 – 12:00** **Potable Water Reuse as a New Water Source**
Jeff Mosher, National Water Research Institute
- 12:00 – 1:30** **LUNCH**
Rick Karlin, Green House Emissions and Energy Research
- 1:30 – 2:00** **UCMR3 – What’s Next on the Horizon?**
Linda Geddes, MWH Laboratories
- 2:00 – 2:30** **Ceramic Membranes Provide a Solution for Fisheries Enhancement and Water Supplies**
Richard Stratton, P.E., HDR Engineering
- 2:30 – 3:00** **Revised Total Coliform Rule**
Trevor Brenner, Operations Manager, Test America
- 3:00** **Conference Adjourns**

Thursday, November 4
Room B

8:00 **Coffee Service in the Exhibit Hall**

8:30 – 9:30 **How Southern California State Water Contractors are Preparing for Water Shortages and Possible Flow Interruption From the Delta – Panel Discussion**
Moderator: Rich Atwater, Executive Director, Southern California Water Committee

Doug Headrick, San Bernardino Valley Municipal Water District
Kirby Brill, Mojave Water Agency
Dan Masnada, Castaic Lake Water Agency
Steve Robbins, Coachella Valley Water District
Steve Arakawa P. E., Manager, Bay-Delta Initiatives, Metropolitan Water District of Southern California

9:30 – 10:00 **BREAK in Exhibit Hall**

10:00 – 11:30 **Municipal Low Impact Development Requirements and Development of Water Resources: Urban Runoff as New Water – Panel Discussion**

Topic Introduction: Opportunities, Issues and Hurdles

Moderator: Mary Lynn Coffee, Nossaman, LLP

Advantages and Opportunities of LID and Development of Water Resources

Noah Garrison, ESQ., Natural Resources Defense Council

Groundwater Recharge Management Plan and MS4 Permit Compliance (LID) in Chino Basin Technical “How To’s”

Mark Wildermuth, Wildermuth Environmental

Engineering and Practical Consideration for Stormwater Harvesting and Us

Eric Stecker or Aaron Poresky, GeoSyntec Consultants

Water Rights Implications, and other Legal and Policy Hurdles to Effective Stormwater Harvesting/Supply Enhancement Programs

Jeremy Jungreis, Attorney, Camp Pendleton Water Director and San Diego Water Authority Board Member

11:30 – 12:00 **History and Future of the Safe Drinking Water Act**
Bruce Macler, USEPA

12:00 – 1:30 **LUNCH**
Rick Karlin, Green House Emissions and Energy Research

1:30 – 2:00 **Expansion of the Chino II Desalter: Step One of the Chino Desalter Phase 3 Expansion**
Brandon Yallaly, Carollo Engineers

2:00 – 2:30 **Determining Optimal Water Quality to Meet Daily Demand**
Adam Lee, City of Riverside

2:30 – 3:00 **Data Interpretation Laboratory Quality Assurance**

Dave Dawes - QA Manager, Test America

3:00

Conference Adjourns

Thursday, November 4, 2010

Room C

- 8:00** **Coffee Service in the Exhibit Hall**
- 9:00 – 10:00** **Golden Guardian 2008 Scenario**
- 10:00 – 11:00** **Incident Command System (ICS) and set up of the Emergency Operations Center (EOC)**
- 11:00 – 12:00** **Participating Agency Background**
- 12:00 – 1:30** **LUNCH**
Rick Karlin, Green House Emissions and Energy Research
- 1:30 – 3:00** **Table Top Exercise**
The Emergency Response Network of the Inland Empire (ERNIE) will be conducting an exercise between multiple water/wastewater agencies. The Scenario that will be used is from the Golden Guardian 2008 California exercise. This scenario uses a large scale earthquake in Southern California that causes catastrophic damage to utilities. This exercise will test the responses and coordination of water agencies communications and mutual aid.
- 3:00** **Conference Adjourns**