Contact Information:

California State Water Resources Control Board
WWT
Debbie Zuccala
CA State Water Resources Control Board
Office of Operator Certification
PO Box 944212
Sacramento, CA 94244-2120
Phone: (916) 341-5639
Email: dzuccala@waterboards.ca.gov

California State Water Resources Control Board Approval Details:

WEFTEC 2011 has been approved for continuing education credits for Wastewater Operators. The number of credits available for WWT Operators is listed by session in the attached Continuing Education Matrix.

WEFTEC 2011 - Continuing Education Matrix

Session Acroyms: **TS =** Technical Session, **W =** Workshop, **FT =** Facility Tour, **OC =** Operators Challenge

Sess #	Session Title	Date	Start Time	End Time	Total Credits per Session	Water	Wastewater	Industrial	Disposal	Collections	Supplemental
OGS	Opening General Session	17-Oct-11	8:30am	9:30pm	**1.0**						
TS1	AEESP Lecture	17-Oct-11	10:30am	12:00pm	**1.5**		**1.5**				
TS2	Trenchless Technology Applications	17-Oct-11	10:30am	12:00pm	**1.5**		**1.5**				
TS3	AEESP Session: Emerging Research	17-Oct-11	1:30pm	5:00pm	**3.0**						
TS4	Water Treatment in the Mining Industry	17-Oct-11	1:30pm	5:00pm	**3.0**			**3.0**			
TS5	Industrial Stormwater	17-Oct-11	1:30pm	3:00pm	**1.5**			**3.0**			
TS6	Sidestream Treatment: Innovative Technologies Coming of Age	17-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS7	Achieving Ultra-Low Effluent Phosphorus Concentrations	17-Oct-11	1:30pm	3:00pm	**1.5**		**1.5**				
TS8	Aeration to Minimize Energy Footprint in Biological Treatment	17-Oct-11	3:30pm	5:00pm	**1.5**		**1.5**				
TS9	Operations Challenges and Solutions: Nitrogen Removal and Beyond	17-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS10	Asset Management - New Tools to Repair Old Problems	17-Oct-11	1:30pm	5:00pm	**3.0**						**3.0**
TS11	Putting the Right Foot Forward: Strategies for Successful Commissioning	17-Oct-11	1:30pm	3:00pm	**1.5**		**1.5**				
TS12	Cost Saving Success Stories for WWTPs	17-Oct-11	3:30pm	5:00pm	**1.5**		**1.5**				
TS13	Thermal Hydrolysis	17-Oct-11	1:30pm	3:00pm	**1.5**		**1.5**				
TS14	Pretreatment	17-Oct-11	3:30pm	5:00pm	**1.5**			**1.5**			
TS15	Anaerobic Digestion Modeling	17-Oct-11	3:30pm	5:00pm	**1.5**		**1.5**				
TS16	Collection System Private Property and Public Outreach Efforts	17-Oct-11	1:30pm	3:00pm	**1.5**					**1.0**	**0.5**
TS17	Collection System Rehabilitation Success Stories	17-Oct-11	3:30pm	5:00pm	**1.5**					**1.5**	
TS18	Quantifying the Benefits of Green Infrastructure	17-Oct-11	1:30pm	3:00pm	**1.5**						**1.5**
TS19	Water Quality and Watershed Modeling	17-Oct-11	1:30pm	3:00pm	**1.5**						**1.5**
TS20	Current Topics Towards Restoring the San Francisco Bay-Delta Ecosystem	17-Oct-11	3:30pm	5:00pm	**1.5**						**1.5**
TS21	Information Technology: A Tasting of Good Practices	17-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS22	New Tools to Improve Your Capital Improvement Program	17-Oct-11	1:30pm	3:00pm	**1.5**						**1.5**
TS23	EUM: Saving the Environment, Saving Your Systems, and Saving Your Money	17-Oct-11	3:30pm	5:00pm	**1.5**						**1.5**
TS24	Bidding Procedures and Equipment Procurement	17-Oct-11	1:30pm	5:00pm	**3.0**						**1.5**
TS25	Organics Removal by Soil in Groundwater Recharge Projects: Benefits of Natural Treatment in IPR Systems	17-Oct-11	1:30pm	5:00pm	**3.0**	**3.0**					
TS26	Solving a State-Wide Water Crisis: California's Ground-Breaking Regional Water Reuse Projects	17-Oct-11	1:30pm	5:00pm	**3.0**	**3.0**					
TS27	New "Ways and Means": Unique Water Challenges and Innovative Solutions in Small Island Nations and Developing Countries	17-Oct-11	1:30pm	5:00pm	**3.0**		**1.5**				**1.5**
TS28	"Going (Bio) Green": Reducing Carbon Footprints, Mitigating GHG Emissions, and Adapting to Climate Change	17-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				

TS29	Sustainable Water Solutions for a Changing Urban Environment PANEL	17-Oct-11	1:30pm	5:00pm	**3.0**	**1.0**	**1.0**				**1.0**
TS30	National Environmental Priorities	17-Oct-11	1:30pm	5:00pm	**3.0**						**3.0**
TS31	WERF Paul Busch Awardee Session	18-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS32	Supplemental Carbon for Denitrification	18-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS33	Wastewater Management in the Energy-Producing Industries	18-Oct-11	8:30am	12:00pm	**3.0**			**3.0**			
TS34	Secondary Treatment Processes	18-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS35	Tertiary Treatment Topics	18-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS36	Wastewater Disinfection: Research, Design, and Operation	18-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS37	Advanced Treatment and Nutrient Removal	18-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS38	Energy Conservation: Aeration, Blowers and Control Systems	18-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS39	Automation, Instrumentation, and Control	18-Oct-11	9:00am	12:30pm	**3.0**		**3.0**				
TS40	Innovative Use of Biosolids and Residuals	18-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS41	Collection System Basics: What You Need to Know	18-Oct-11	8:30am	12:00pm	**3.0**					**3.0**	
TS42	Stormwater Management Challenges and Solutions in the Urban Watershed	18-Oct-11	8:30am	12:00pm	**3.0**						**3.0**
TS43	Nutrients: A Numbers Game	18-Oct-11	8:30am	12:00pm	**3.0**						**3.0**
TS44	How Do You Know It's Sustainable? Evolving Methodology and Holistic Thinking	18-Oct-11	10:30am	12:00pm	**1.5**						**1.5**
TS45	Varied Perspectives on Sustainability: Topics in Utility Management	18-Oct-11	8:30am	12:00pm	**3.0**						**3.0**
TS46	Small Community Issues: A Vital Part of Infrastructure	18-Oct-11	8:30am	12:00pm	**3.0**						
TS47	Stakeholder Participation Input on Water Reuse Guidelines	18-Oct-11	8:30am	12:00pm	**3.0**	**3.0**					
TS48	Advances in Treatment Technologies for Potable Reuse	18-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS49	Disaster Resiliency	18-Oct-11	8:30am	10:00am	**1.5**						**1.5**
TS50	WWTPs "Doing Their Part" to Reduce GHG Emissions	18-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS51	Looking Forward: A Conversation With Key Water Leaders About Water in the Next Decade* (PANEL; special time 8:00 - 9:30)	18-Oct-11	8:00am	12:00pm	**3.0**	**1.0**	**1.0**				**1.0**
TS52	Innovative Technology Forum	18-Oct-11	9:00am	12:30pm	**3.0**		**3.0**				
TS53	Nitrogen Transformations	18-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS54	Advanced Process Modeling	18-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS55	Treatment Technologies for Landfill Leachate	18-Oct-11	1:30pm	3:00pm	**1.5**			**1.5**			
TS56	Treatment of Industrial Wastewater in POTWs	18-Oct-11	3:30pm	5:00pm	**1.5**			**1.5**			
TS57	Food and Beverage Industry Wastewater Treatment	18-Oct-11	3:30pm	5:00pm	**1.5**			**1.5**			
TS58	Applications of Advanced Oxidation Processes	18-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS59	Biological Nutrient Removal	18-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS60	The Really Interesting Papers Session	18-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS61	Collection System Emissions: Probing the Subterranean Unknown	18-Oct-11	1:30pm	5:00pm	**3.0**					**3.0**	
TS62	Process Automation and Control	18-Oct-11	1:30pm	3:00pm	**1.5**		**1.5**				
TS63	Digestion and Co-Digestion	18-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS64	Exploring Collection System Wet Weather Issues	18-Oct-11	1:30pm	5:00pm	**3.0**					**3.0**	
TS65	Solving Stormwater Issues Through Monitoring and Modeling	18-Oct-11	1:30pm	3:00pm	**3.0**						**3.0**
TS66	Emerging Solutions to Stormwater Problems Through Applied Research and Development	18-Oct-11	3:30pm	5:00pm	**1.5**						**1.5**
TS67	Playing the TMDL Game: West Coast Style	18-Oct-11	1:30pm	3:00pm	**1.5**						**1.5**
TS68	Sustainable Water Resources Management Case Studies	18-Oct-11	1:30pm	5:00pm	**3.0**	**1.0**	**1.0**				**1.0**
TS69	Update to Your Training Needs	18-Oct-11	1:30pm	3:00pm	**1.5**						**1.5**
TS70	Can You Hear Me Now? How to Inform Your Customers About Your Facilities	18-Oct-11	3:30pm	5:00pm	**1.5**						**1.5**

TS71	Asset Management: Risk and Reward	18-Oct-11	1:30pm	5:00pm	**3.0**						**3.0**
TS72	Process Technologies and Designs for Effective Reuse Projects	18-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS73	Expectations in Reuse: A Dialogue That Shares and Contrasts Australian and U.S. Experiences	18-Oct-11	1:30pm	5:00pm	**3.0**	**1.5**	**1.5**				
TS74	Clean Water Policy Update	18-Oct-11	1:30pm	5:00pm	**3.0**						**3.0**
TS75	Nutrient Removal	19-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS76	Membrane Processes	19-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS77	Microconstituents	19-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS78	Reuse and Conservation of Industrial Wastewater	19-Oct-11	8:30am	12:00pm	**3.0**			**3.0**			
TS79	Moving Fixed Film Design and Operating Parameters	19-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS80	Keeping It Clear: How to Keep Your Clarifiers Working Great	19-Oct-11	8:30am	10:00am	**3.0**		**3.0**				
TS81	It's Raining - Now What: Wet Weather Treatment	19-Oct-11	10:30am	12:00pm	**1.5**		**3.0**				
TS82	Process Modeling as an Operational Tool	19-Oct-11	8:30am	10:00am	**1.5**		**3.0**				
TS83	Activated Sludge Process Operation and Foam Control	19-Oct-11	10:30am	12:00am	**1.5**		**3.0**				
TS84	Odor and Air Emissions Associated With Wastewater Systems	19-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS85	Efficient Energy Management and Renewable Energy Options	19-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS86	Strategic Sustainable Management	19-Oct-11	8:30am	10:00am	**1.5**		**1.5**				
TS87	Bugs, Bugs, and Fewer Bugs	19-Oct-11	10:30am	12:00pm	**1.5**		**1.5**				
TS88	Making the Most of Your Existing Collection System: Part 1	19-Oct-11	8:30am	12:00pm	**3.0**					**3.0**	
TS89	Modeling of Sewers From Top to Bottom	19-Oct-11	9:00am	12:30pm	**3.0**					**3.0**	
TS90	Sustainable Solutions to Stormwater Issues Through Green Infrastructure	19-Oct-11	8:30am	12:00pm	**3.0**						**3.0**
TS91	Challenges and Successes Implementing TMDLs in Southern California: A Critical Look at Essential Strategies and Approaches	19-Oct-11	8:30am	12:00pm	**3.0**						**3.0**
TS92	A Capital Idea: CIP Planning and Implementation	19-Oct-11	8:30am	12:00pm	**3.0**						**3.0**
TS93	Securing Your Facility: More Than Just a Padlock?	19-Oct-11	8:30am	12:00pm	**3.0**						**3.0**
TS94	Membrane Concentrate Management	19-Oct-11	8:30am	10:00am	**1.5**		**1.5**				
TS95	Emerging Contaminants in Reuse Water: CEC and High Level Disinfection	19-Oct-11	8:30am	12:00pm	**3.0**		**3.0**				
TS96	Total Water Management: A New Paradigm for Urban Water Systems	19-Oct-11	8:30am	10:00am	**1.5**	**0.5**	**0.5**				**0.5**
TS97	Climate Ready Water Utilities: Helping Build Climate Resilience in the Water Sector	19-Oct-11	10:30am	12:00pm	**1.5**						**1.5**
TS98	Elected Officials: What They Wish They Knew 3 Years Ago	19-Oct-11	8:30am	12:00pm	**3.0**						**3.0**
TS99	Biosolids Stabilization	19-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS100	Nitrous Oxide Dynamics	19-Oct-11	1:30pm	3:00pm	**1.5**		**1.5**				
TS101	Anaerobic Treatment of High Strength Industrial Wastewater	19-Oct-11	1:30pm	3:00pm	**1.5**		**1.5**				
TS102	Advances in Biological Treatment of Industrial Wastewater	19-Oct-11	3:30pm	5:00pm	**1.5**			**1.5**			
TS103	Developments in Nitrogen Removal	19-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS104	Membrane Bioreactors: Optimization of Design and Performance	19-Oct-11	1:30pm	3:00pm	**1.5**		**1.5**				
TS105	Detecting and Control of Sponges, Algae, and Bacteria	19-Oct-11	1:30pm	3:00pm	**1.5**		**1.5**				
TS106	Bioenergy	19-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS107	Making the Most of Your Existing Collection System: Part 2	19-Oct-11	1:30pm	3:00pm	**1.5**					**1.5**	
TS108	Technology and Sewers: What a Combination!	19-Oct-11	3:30pm	5:00pm	**1.5**					**1.5**	
TS109	Green LA Stormwater Infrastructure	19-Oct-11	1:30pm	5:00pm	**3.0**						**3.0**
TS110	Pathways to Pathogens	19-Oct-11	1:30pm	3:00pm	**1.5**						**1.5**
TS111	Promoting Fiscal Viability Through Innovative Revenue Structures and Financial Planning	19-Oct-11	1:30pm	5:00pm	**3.0**						**3.0**
TS112	Water Reuse Management Opportunities	19-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				

TS113	Algae for Treatment and Biofuels	19-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS114	Best of Technology From Japan	19-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
TS115	Elected Officials: Guided Tour of Wastewater Fundamentals in the Exposition	19-Oct-11	1:30pm	5:00pm	**3.0**		**3.0**				
W101	Compounds of Emerging Concern (CECs) and the California State Water Resources Control Board CEC Panel Findings and Implications	15-Oct-11	8:30am	5:00pm	**0.6**	**0.3**	**0.3**				
W102	The Fundamentals of Grit Removal and System Evaluation	15-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W103	Wastewater Microbiology	15-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W104	WEF/WERF Operational Aspects of Supplemental Carbon Addition for Nitrogen Removal	15-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W105	Use of On-Line Analyzers To Meet New Nutrient Removal Limits	15-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W106	Greenhouse Gas (GHG) Methodologies and Inventorying for Biosolids Treatment	15-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W107	When Good Water's Gone Bad: Prevention and Control of Sewer System Overflows	15-Oct-11	8:30am	5:00pm	**0.6**					**0.6**	
W108	The City of Los Angeles Interceptors Breathe a Sigh of Relief: Collection System Ventilation and Odors Evaluation and Solutions	15-Oct-11	8:30am	5:00pm	**0.6**					**0.6**	
W109	Is Your Utility Effective Inside and Out? Effective Utility Management Through Assessment and Benchmarking	15-Oct-11	8:30am	5:00pm	**0.6**						**0.6**
W110	Designer Water: Creating High-Quality Reclaimed Water Using a Variety of Treatment Processes	15-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W111	Qualifying & Quantifying Opportunities To Optimize the Energy/Water Nexus	15-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W112	WEF/WERF Wastewater as a Re-N-E-W-able Resource: Nutrients, Energy, Water	15-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W113	What Is Sustainable Design?	15-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W114	WEF/WERF Organic Waste Management: Integrated Solutions of a Sustainable Resource (Companion to Workshop 214)	15-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W201	Advances in Treatment of Metals and Selenium To Achieve Low Effluent Concentrations	16-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W202	WEF/WERF Preparing Our Industry for the Next Paradigm Shift: Nutrient Recovery	16-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W203	Using a Process Model for Plant Upgrades: Modeling 201	16-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W204	Wastewater Microbiology	16-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W205	Activated Sludge and BNR Process Control: Hands-on in the Real World	16-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W206	Building the Maintenance Foundation for Excellence	16-Oct-11	8:30am	5:00pm	**0.6**						**0.6**
W207	Moving Talented Operators to Management: Ways To Get There	16-Oct-11	8:30am	5:00pm	**0.6**						**0.6**
W208	WEF/WERF Better Safe Than Smelly: An Action Plan To Remedy Bacterial Regrowth, Odors, and Sudden Increase (ROSI) in Biosolids	16-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
W209	Green Infrastructure: Beyond the Hype to Real Results	16-Oct-11	8:30am	5:00pm	**0.6**						**0.6**
W210	TMDLs: Development, Implementation, and Compliance	16-Oct-11	8:30am	5:00pm	**0.6**						**0.6**
W211	Communications Camp: Tools To Engage, Motivate, and Reassure Your Community	16-Oct-11	8:30am	5:00pm	**0.6**						**0.6**
W212	Mastering the Balance Between Planning, Water Quality, and the Carbon Footprint of Alternative Water Supplies	16-Oct-11	8:30am	5:00pm	**0.6**	**0.6**					

W213	WEF/WERF Hands-on Selection of the Best Combined Heat and Power System for Your Plant (Companion to Workshop 114)	16-Oct-11	8:30am	5:00pm	**0.6**		**0.6**				
FT1	Los Angeles County Sanitation Districts' Joint Water Pollution Control Plant	17-Oct-11	1:00pm	4:00pm	**3.0**		**3.0**				
FT2	Collection Systems Tour: Los Angeles Sewer Tour—Discovering What Lies Beneath	17-Oct-11	1:00pm	4:30pm	**3.5**					**3.5**	
FT3	City of Los Angeles' Terminal Island Water Reclamation Plant	18-Oct-11	9:30am	1:00pm	**3.5**		**3.5**				
FT4	Orange County Sanitation District's Reclamation Plant #1 and Orange County Water District's Groundwater Replenishment System Advanced Water Purification Facility	18-Oct-11	9:30am	3:30pm	**6.0**	**3.0**	**3.0**				
FT5	City of Santa Monica's Charnock Well Field Restoration Project	18-Oct-11	10:00am	1:00pm	**3.0**	**3.0**					
FT6	City of Los Angeles' Hyperion Treatment Plant	18-Oct-11	10:00am	1:30pm	**3.5**		**3.5**				
FT7	Stormwater Management Tour: Green Stormwater Infrastructure	19-Oct-11	9:30am	3:00pm	**5.5**						**5.5**
FT8	West Basin Municipal Water District's Edward C. Little Water Recycling Facility	19-Oct-11	10:00am	1:30pm	**3.5**		**3.5**				
OC	Operations Challenge - Competition Protocls, Process Control Event and Lab Event	17-Oct-11	9:00am	4:30Pm	**0.6**		**0.6**				
	Operations Challenge - Collections Event, Maintenance Event and Safety Event	18-Oct-11	9:00am	4:30Pm	**0.6**		**0.6**				