



Fourth Symposium on Global Emerging Environmental Challenges and Government Responses

Special Conference

Comprehensive River Environmental Management

Presented By

Southern California Chinese American Environmental Protection Association (SCCAEPA)



Special Conference and Workshop

Time: August 22–26, 2011

Location: Hilton Los Angeles/San Gabriel

225 West Valley Boulevard San Gabriel, CA 91776

The Southern California Chinese American Environmental Protection Association (SCCAEPA) will host a special conference and workshop on “Comprehensive River Environmental Management” to be held in Los Angeles, California, between August 22 and 26, 2011. SCCAEPA will invite a group of experts from government agencies, universities, and environmental industry to give presentation and lectures. The workshop, presented in Chinese, will cover various aspects of water quality control in a watershed.

Main Topics :

1. River Environmental Regulation and Management, Water Quality Standards and Criteria
2. Water Quality Management Tools – TMDL, Water Quality Management Tools – NPDES Permits
3. Integrated Water Resource Management and Restoration, Monitoring and Enforcement, Bisassessment Tools and Biocriteria

Field trips: 1) Upper and Lower Los Angeles/San Gabriel rivers; 2) Ballona Creek and Wetlands; 3) Malibu Creek and Lagoon; 4) Wastewater Treatment and Reuse; 5) Santa Ana River Watershed—Orange County

Registration fee : \$100 per person per day (covers venue, materials, lunch, dinner, and field trip transportation)

For application and registration information, please contact Dr. Eric Wu

Phone: (213) 576-6683

email : ewu@waterboards.ca.gov

Please download the registration form from www.sccaepa.org and mail the form to:

Mr. David Lin, 25 E. Wheeler Ave., Suite F, Arcadia, CA 91006, USA

Please log on to website: www.sccaepa.org

August 22, 2011

AM: Section 1: River Environmental Regulation and Management

1. Overview of Clean Water Act and other Major federal and state laws
 - Clean Water Act and California Porter-Cologne Act
 - NEPA and CEQA
2. Overview of the federal and state policy and regulatory system
 - Water and sediment quality Navigational, hydrological, and habitat protection (Section 401 and 404 permitting and certification, CEQA review and certification, etc.)
3. Watershed planning and management
 - Santa Monica Bay watershed Comprehensive Management Program (case study)

PM: Section 2: Water Quality Standards and Criteria

1. River basin planning
 - Basin plan development, review, and adoption
2. Water body impairment identification and listing
 - Beneficial use classification and designation
 - CWA 303(d) listing and delisting
3. Scientific basis and methodology for formulating water quality standard/criteria
 - Process, guideline
 - Methodology for deriving river-specific water quality standard
 - Nutrient endpoint development (case study)
4. Bioassessment and Biocriteria,
 - Ecologically-based water quality goals – Tiered Aquatic Life Use (TALU) designations
 - Development and application of Index of Biological Integrity (IBI)

August 23, 2011

Field Trips

1. Upper and Lower Los Angeles/San Gabriel Rivers
 - Existing flood control basins and their multiple uses (Sepulveda Basin, Santa Fe Basin, or Whittier Narrows)
 - Sun Valley flood control and storm water quality management (street and residential infiltration projects)
2. Ballona Creek and Wetlands
 - Demonstration projects as part of a greenway plan
 - Newly constructed rain gardens along the Creek
 - Plan for restoration of Ballona Wetlands and the lower Ballona Creek, including demolition of the existing levee to restore the historical meandering stream

3. Malibu Creek and Lagoon

- Las Virgenes Creek restoration project (concrete channel removal)
- Ridge Dam and other fish migration barrier removal
- Malibu Lagoon restoration (water circulation improvement)
- Nonnative plant and animal removal

August 24, 2011

AM: Section 3: Water Quality Management Tools – TMDL

1. Total Maximum Daily Loads (TMDLs)
 - History, concepts, targeted pollutants, and key components
 - Development process – modeling, data collection and analysis
 - TMDL implementation plan

PM: Section 4: Water Quality Management Tools – NPDES Permits

1. NPDES Permit and waste discharge requirement (WDR)
 - Wastewater treatment/point source discharge permits
2. Storm water permitting and management
 - Municipal, industrial, and construction
 - Incorporation of LID requirements

August 25, 2011

Field Trips

1. Wastewater Treatment and Reuse
 - Hyperion Wastewater Treatment Plant
 - West Basin Municipal Water District

or
2. Santa Ana River Watershed – Orange County
 - Orange County Sanitation District Wastewater Treatment Plant
 - Orange County Water District – The Groundwater Replenishment System
 - Upper Santa Ana River storm water management and habitat restoration projects

August 26, 2011

AM: Section 5: Integrated Water Resource Management and Restoration

1. Integrated Regional Water Management Plan (IRWMP)
 - Integration of flood control, water quality improvement, water recycling, and groundwater recharge.
 - Santa Ana River salt and nutrient comprehensive management (case study)
2. River, stream, and wetland restoration
 - Impacts of hydromodification
 - Stream restoration technique

PM: Section 6: Monitoring and Enforcement

1. NPDES Compliance monitoring
2. Surface Water Ambient Monitoring Program (SWAMP)
3. Storm water monitoring program
4. Enforcement policy and mechanisms

(Schedule may change based on the final confirmation for the field trip arrangement.)