

# Scientific, Regulatory and Cultural Factors Influencing Water and Environmental Issues in Tropical Pacific Islands

January 15 - 16, 2003

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## Session A: Issues Facing Drinking Water Utilities

Assessing Problems and Opportunities for Hawaii's County Utilities: Issues Facing Kauai	Ernest Lau, Dept. of Water Supply, Kauai County	NA
Assessing Problems and Opportunities for Hawaii's County Utilities: Issues Facing Maui	David Craddick/George Tengan, Dept. of Water Supply, Maui County	NA
Assessing Problems and Opportunities for Hawaii's County Utilities: Issues Facing the Big Island	Milton Pavao, Dept. of Water Supply, Hawaii County	NA
Assessing Problems and Opportunities for Hawaii's County Utilities: Issues Facing Oahu	Clifford Jamile, Board of Water Supply, City and County of Honolulu	NA

## Session B: Issues Facing Wastewater Management Agencies

Update on City and County of Honolulu Marine Outfall Monitoring Program	Ross Tanimoto, Dept. of Environmental Services, City and County of Honolulu	NA
Benthic Monitoring at the Sand Island and Barbers Point Ocean Outfalls, Oahu, Hawaii	Richard Swartz, Consultant	NA
Sewage Biomonitoring on Pacific Islands: Suggestions for New Directions	Richard Brock, University of Hawaii	NA
Water Reuse: BMP for Wastewater Treatment and Disposal. What Are the Hurdles?	Harold Yee, Dept. of Health, State of Hawaii Eassie Miller, Brown and Caldwell	NA

## Session C: Cultural, Economic and Legal Impacts on Water

Pro's and Con's of Privatization, Regionalization and Independent Water Authorities: Results of a National Study	Charles Howe, University of Colorado	NA
<a href="#">Reengineering at the Board of Water Supply</a>	Donna Kiyosaki, Board of Water Supply, City and County of Honolulu	901 (KB)
<a href="#">Managing Water Resources in American Samoa</a>	Sherry Sele, American Samoa Power Authority	2,373 (KB)
<a href="#">Water, Culture and the Public Trust</a>	Scott Derrickson, Office of Planning, State of Hawaii	1,516 (KB)

## Session D: Climate, Drought, Floods and Alternative Sources of Water

<a href="#">ENSO and Pacific Islands Rainfall</a>	Roger Lukas, University of Hawaii	3,605 (KB)
<a href="#">Climate Variability, Hawaii Rainfall and Drought Frequency</a>	Pao-Shin Chu, University of Hawaii	655 (KB)
<a href="#">Climate Change and Pacific Island Water Resources: Challenges &amp; Opportunities</a>	Eileen Shea, East-West Center	1,292 (KB)
<a href="#">How Well Do We Know Our Most Important Water Source? Uncertainties in the Water Balance of Hawaiian Forests</a>	Tom Giambelluca, University of Hawaii	835 (KB)

## Session E: Groundwater/Soil Contamination and Remediation

<a href="#">Remediation Activities at the Hickam AFB</a>	Mark Petersen, Remediation, U.S. Hickam AFB, Honolulu	1,492 (KB)
<a href="#">Capping of Landfill Containing Hazardous Materials</a>	Frank Caluya, U.S. Navy Pearl Harbor, Honolulu	2,248 (KB)
<a href="#">Evaluation of Tropical Plants for Phytoremediation of Petroleum Contaminated Coastal Subsurface Soils in Hawaii</a>	Wen Hao Sun, University of Hawaii	700 (KB)
<a href="#">Microbial Population Dynamics in the Phytoremediation of Petroleum Hydrocarbons in Hawaii</a>	Francoise Robert, University of Hawaii	403 (KB)

## Session F: Special Water Issues for Small and Remote Pacific Islands

<a href="#">Guam's Water Issues</a>	Shahram Khosrowpanah, University of Guam	3,087 (KB)
<a href="#">Water Issues &amp; Culture in Samoa</a>	Amataga Penaia, Samoa Water Authority	825 (KB)
<a href="#">Some of the Problems Facing Pacific Island Water and Wastewater Utility</a>	Everett Arasmith, Micronesian Water and Wastewater Operator Training Program	934 (KB)
<a href="#">Water Resources Management in Kiribati with Special Emphasis on Groundwater Development Using Infiltration Galleries</a>	Taboia Metutera, Public Utilities Board, Kiribati	478 (KB)

## Session G: Environmental Water Quality and Watershed Management

<a href="#">Land Use and Water Quality in Hawaiian Streams: Findings from the USGS National Water Quality Assessment Program</a>	Anne Brasher, USGS	8,349 (KB)
<a href="#">Hygienic and Microbial Quality of Environmental Waters in Hawaii and Other Tropical Islands</a>	Roger Fujioka, University of Hawaii	241 (KB)
<a href="#">Total Maximum Daily Loads (TMDLs): Contrasts and Comparisons Between Kawa, Kaneohe, Waikele, and Kapa'a Stream Systems</a>	Robert Bourke, Oceanit Lab., Inc.	4,166 (KB)
<a href="#">Watershed Management Approach by KBAC, a Non-profit and Private Environmental Agency</a>	Maile Bay, Kailua Bay Advisory Council	1,420 (KB)

## Session H: Water Issues Related to Crop and Animal Production

Evaluation of Risk for Phosphorus Loss From Tropical Soil	Christopher Smith, Natural Resources Conservation Service, Hawaii	NA
<a href="#">Integrated Pest Management in Hawaii</a>	John McHugh, Crop Care Hawaii LLC	1,953 (KB)
<a href="#">Livestock Nutrient Management Planning in Hawaii</a>	Glen Fukumoto, et al., University of Hawaii	2,770 (KB)
<a href="#">Proposed Treatment and Reuse of Dairy Wastewater – A Case study in Hawaii</a>	P.-Y. Yang, et al., University of Hawaii	367 (KB)

## Invited Speaker

<a href="#">Pacific Regional Consultation on Sustainable Water Management and the 3rd World Water Forum in Kyoto in 2003</a>	Rhonda Bower, South Pacific Applied Geoscience Commission, Fiji	584 (KB)
<a href="#">Hydrogeology and Water Related Issues in Hawaii and the Pacific</a>	Stephen Anthony, USGS	3,885 (KB)