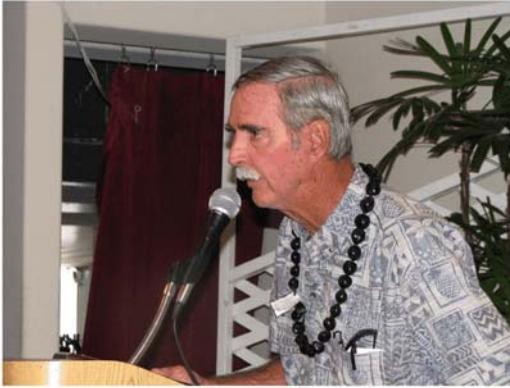
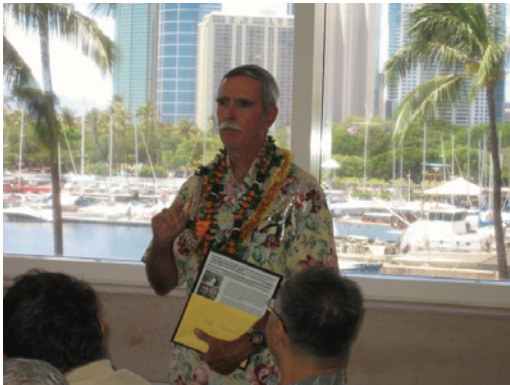


JOHN TOPLISS RETIRES AFTER 20+ YEARS WITH THE SAFE DRINKING WATER BRANCH



John Topliss, long time member of the Safe Drinking Water Branch's Monitoring Section retired on August 31, 2007. During his tenure, John developed a tremendous rapport with water suppliers and was able to get their cooperation in turning on their water sources to accommodate his sampling. During the years, John also gain a wealth of knowledge about the operations of the water systems on Oahu and was always helpful in sharing his knowledge with Branch staff. He has taken a substantial number of samples and the Branch will be hard pressed to maintain his sampling proficiency.



In addition to his duties with the Safe Drinking Water Branch, we would also like to acknowledge John for his efforts (for the past 20+ years) in being the main force behind coordinating the "Ono Water Contest" which is held annually at the American Water Works Association (AWWA) - Hawaii Section Conference.

Finally, John not only worked to ensure that the people of Hawaii were consuming safe drinking water but he was also a lifesaver as a regular donor of blood.

The staff of the Safe Drinking Water Branch would like to thank John for his loyal service to the Program and we wish him the best in his well deserved retirement.

COMING SOON: HAWAII COUNTY FAIR

The Safe Drinking Water Branch continues its effort to be more involved with public outreach activities by once again participating in the Department of Health booth at this year's Hawaii County Fair. This year's Hawaii County Fair will be held from September 13-16, 2007 at the Hilo Civic Center. This year's theme for the Department of Health's booth will be emergency preparedness.

The fair hours are as follows:

September 13 (Thursday)

6:00 pm to 12:00 Midnight

September 14 (Friday)

6:00 pm to 12:00 Midnight

September 15 (Saturday)

12:00 noon to 12:00 Midnight

September 16 (Sunday)

12:00 noon to 6:00 pm

AGENDA

Wednesday, October 3, 2007 (Kauai Ballroom)

- (1) 21st Century Ahupua`a
- (2) Looking to Hawaii's Past to Sustain Hawaii's Future
- (3) Assessing Water Resources Now and Into the Future
- (4) Becoming a Professional Human Being: Using the Mind-Body Health Connection to Access the Power Within
- (5) The Land and Water Relationship: The Importance of Land Use Management and Control on Source Water Quality
- (6) Wai and Its Relationship to Hawaiians in the Past, Present and Future
- (7) A Watershed Based Approach to Resource Management: Oahu's Watershed Management Plans

Thursday, October 4, 2007 (Honolulu Suite)

- (1) The Utility's Role in Water Loss Control
- (2) Sustainable Building Blocks - Developing a Water Conserving Oahu
- (3) Social Marketing - Not Just Talking, But Actually Getting Heard
- (4) Energy Efficiency for Water Utilities
- (5) Breakout Session 1 (Honolulu Suite)

- Changing Work Practices in Field Operations, The Rollout of the Multi-Skilled Worker Pilot
- How Field Work Gets Done With a New Computer Maintenance Management System (CMMS)
- Water Supply and Recycling Research
- Emerging Issues in Drinking Water Regulation

Breakout Session 2 (Kohala/Kona Suites)

- Source Water Protection Applications-Regulatory & Non-Regulatory
- From Assessment to Protection
- SWP Tools
- Funding Options

Friday, October 5, 2007 (Honolulu Suite)

- (1) Hawaii's Watershed Partnerships: A Model for Water Resource Management Collaboration
- (2) Malama Learning Center - Planting Seeds for Sustainability Education in West Oahu

If you need additional information, please call Lorna Heller at (808) 748-5944 or via fax at (808) 550-5043 or Email: lheller@hbws.org

2007 AMERICAN RAINWATER CATCHMENT SYSTEM ASSOCIATION CONFERENCE SUMMARY



After a week of tense moments from Hurricane Flossie, an earthquake off the coast of the Big Island, and a tsunami advisory due to an earthquake near Peru, a successful 2007 American Rainwater Catchment System Association Conference began on August 15, 2007 with an Opening Chant (Oli) by Kiwala`o Taylor before attendees from around the world. In addition to attendees from the United States, participants included representatives from Micronesia, Sri Lanka, Botswana, Australia.

Presentation related to catchment system "DESIGN" included: (1) **Kent Butler:** Rain Catchment And Adaptive Building Reuse: The Historic Seaholm Power Plant; (2) **Mark Buehrer:** Wholistic Engineering: Applied To Living Building Water Systems; (3) **Colin Chatfield:** Urban Rainwater Harvesting -Analysis Of A Decentralized Approach For Meeting Water Demand in Urban Cities. An Opportunity for the US?; (4) **Bob Boulware:** Integrating Automatic Fire Sprinkler Systems With Rainwater Catchment; and (5) **Jack Shultz/Dave Chengson:** The Design And Operation Of A Residential Potable Rainwater Catchment System From The Perspectives Of Designer, Builder And Owner.

The “**KEYNOTE SPEAKER**” was **Andy Lipkis**, President of TreePeople.

Conferees were also taken on a tour of the Conference Site, The Kilauea Military Camp, which relies on rainwater catchment as its source of water.

The first day ended with a “**MEET & GREET RECEPTION**”, which allowed conference participants to meet with others in the rainwater catchment field as well as learn a little about the Hawaiian culture.



The second day began with presentation on “**WATER QUALITY**” including (1) **Abraham Hicking / Amlet Kaleman**: Establishment Of A Community-Based WQ Monitoring Program In The Remote Outer Islands Of The Marshall Islands; (2) **Craig Evans**: Coliforms, Biofilms, Microbial Diversity And The Quality of Roof-Harvested Rainwater; (3) **Roger Fujioka**: Simple And Reliable Tests That Homeowners Can Use To Determine The Microbial Drinking Water Quality Of Rainwater Collected From Roofs And Stored In Cistern Tanks; and (4) **James Currie**: Living High – Living Low: Water Quality Issues In The Federated States Of Micronesia. Presentations on “**STORMWATER / GROUNDWATER**” followed and included (1) **Justin Mechell**: Rainwater Harvesting: Soil Storage And Infiltration Systems; (2) **Kathryn Daily**: A Balancing Act: Growth, The Economy And A River; (3) **ML Robinson**: Constructed Wetlands: A Natural Water Filtering System For Conservation; and (4) **Brad Lancaster**: Turning Drains Into Sponges And Scarcity Into Abundance.

A **Community Bus Tour** allowed conference participants to see rainwater catchment systems in the Volcano Village area and the use of catchment water at an Agricultural Farm.

The second day ended with a **MEET THE COMMUNITY DINNER, Q&A EXPERT PANEL & LOCAL VOICES, and LOCAL VENDOR EXHIBITS** at Kea`au High School.

SEI



Conferees tour the Volcano Village Store and Laundry which is on a water catchment system,

SDWB Staff with Conference Committee Chair Trish Macomber and Kagiso Habangana of Botswana.

Conferees participate in a well attended Community Meeting at Kea`au High School.

On the final day of the conference, presentations related to “**DESIGN / AWARENESS**” included: (1) **Ian White**: A Theoretical Framework For Understanding Factors That Contribute To Household Adoption of Rainwater Harvesting In South East Queensland; (2) **Billy Kniffen**: Rainwater Harvesting Education In Texas; (3) **Terry J. McMains**: Rain Harvesting: Proven and Reliable Water Supply for Master Planned Communities; (4) **Indrasena Dissanayake**: Why Sri Lanka Should Concentrate on Rainwater Harvesting for Domestic Uses; (5) **David Osborne**: Davey Rainbank From Concept To 2nd Generation; (6) **Ian White**: Everything But The Kitchen Sink: Mywaterwisehome.com –; (7) **Tim Pope**: Are We There yet ? Regulations And Building Codes For RC; (8) **Dennis Lye**: How Far Do We Go In Regulating The Installation And Maintenance And Water Quality Of RC?; (9) **Duleep Goonewardene**: Strategic Legislation on Rainwater Harvesting; and (10) **Kagiso Habangana**: Dynamics of Rainwater Harvesting in Botswana: Understanding the Socioeconomic Aspect for Effective Implementatation of Programmes and Policies.

The conference ended with a **PANEL, CLOSING REMARKS and a CLOSING CHANT (Oli)** by Kiwala`o Taylor.

For PDF versions of the printed materials - - or other information on rainwater catchment design and support in Hawaii - - log on the the following website: <http://www.hawaiirain.org>. The conference audio will also be made available through a podcast.

July WTPO Exam Results Are In!

Exam results. The 2nd 2007 Water Treatment Plant Operator (WTPO) certification exams were held on Oahu, Maui, and the Big Island (Hilo and Kona) in late July. Ten operators sat for the exam, and six passed for a passing rate of 60%. The grade 2 passing rate was higher than the average rate from the last 3 exams (January 2006 to January 2007), and the overall passing rate was also better than the overall passing rate average for the last 3 exams. No operators sat for the grade 3 or grade 4 exams. The breakdown by grade is as follows:

Grade	Passed	# of Examinees	Passing Rate	Avg. Passing Rate - previous 3 exams
1	4	6	67%	73%
2	2	4	50%	25%
total	6	10	60%	52%

The UH Outreach College / DOH provided math refresher training in Kona.

	Pass	No Pass
Attended math refresher	3 (30%)	1 (10%)
Did not attend	3 (30%)	3 (30%)
Total	6 (60%)	4 (40%)

75% of the operators who took the math refresher passed the exam. 50% of the operators who did not take the math refresher failed the exam.

2007 exam dates. Please make note of upcoming exam dates and deadlines:

Certification exam	Exam Date	Applications due
Distribution System Operator (DSO)	10/23/07	7/23/07
WTPO	1/22/08	10/22/07
DSO	4/22/08	1/22/08

CEU approval. If your DSO or WTPO certification expires on 11/30/07, you were mailed a renewal reminder in March, along with a listing of your CEUs recorded to date. If you need to have other CEUs approved and recorded, please fill out the CEU Request form (purple) and send it in as soon as possible. The last board meeting before 11/30/07 is scheduled for 11/28/07. After 12/31/07, the renewal fee **DOUBLES**. After 11/30/08, you can not renew without taking the certification exam again.

If you need to take courses for CEUs, please refer to the "Approved CEUs" sheet (pink) for ideas. The UH Outreach College schedule for 2007 and early 2008 was published in the August/September Water Spot. Other upcoming local training includes:

- September American Water Works Association workshop, Maui
- October Hawaii Water Works Association conference, Oahu
- December American Membrane Technology Association conference, Oahu, and
- Statewide Wastewater Operator Training Center courses. The July 2007 though June 2008 listing of approved WW courses is posted on the DOH SDWB website at: www.hawaii.gov/health/environmental/water/sdwb/index.html.

If you prefer to study at your own pace, there are also correspondence and online options for earning CEUs:

- correspondence courses through California State University at Sacramento (CSUS),
- online courses through AWWA and CSUS, and
- the Montana Water Center Operator Basics course: <http://water.montana.edu/training/ob2005>.

Certification application and exam registration forms are also posted on the SDWB website.

**AMERICAN BACKFLOW PREVENTION ASSOCIATION - HAWAII CHAPTER PRESENTS
THE PACIFIC RIM CONFERENCE**

**THE HAWAII CHAPTER OF THE AMERICAN BACKFLOW PREVENTION ASSOCIATION
presents the**

PACIFIC RIM CONFERENCE

**October 30-31, 2007
In Honolulu, Hawaii
at the Pagoda Hotel
(808) 923-4511**

Take this opportunity to attend one of the best Conferences solely dedicated to the field of backflow prevention. This year's conference is centered on how we can do our jobs better. Whether you are a backflow prevention assembly tester or a program administrator, there is something for you at the conference.

Tuesday - 30th October 2007

Registration/Exhibits Open

Introduction

Elements of an Effective CCC Program

Federal Efforts to Regulate CCC

Split Session A

How to Conduct a CCC Survey

Survey of a Medical Facility

Controlling a Reclaimed Water System

Air & Vac Valves Can Contaminate Your System

Operating a Private Water System at a Resort

Chemigation in an Agricultural Application

Split Session B

ABPA Tester & Specialist Certification Requirements

Testing Demonstration of an RP & PVB

Testing Demonstration of a DC & SVB

Common Tester Errors

Proper Assembly Installation

Assembly Repair

Wednesday - 31st October 2007

Registration/Continental Breakfast/Exhibits Open

State of Hawaii CCC Update

The County's of Hawaii CCC Program Update (Hawaii - Oahu - Maui - Kauai)

Operating a CCC Program on a Military Base

USC FCCCHR Update

Liability in a CCC Program

ABPA Golf Tournament @ Oahu County Club

Thursday - 1st November 2007

ABPA Tester Certification & Re-certification Exam - Naval Facilities Building (Not Included with the Conference Registration. Must pre-arrange with Administrator at Phone/Fax (323) 776-2764 or ehavlinaxc@aol.com)

Friday - 2nd November 2007

ABPA Proctor Training Class - Naval Facilities Building (Not Included with the Conference Registration. Must pre-arrange with Administrator at Phone/Fax (323) 776-2764 or ehavlinaxc@aol.com)

FOR MORE INFORMATION CHECK OUT THE ABPA WEBSITE: abpa.org

To request a copy of the conference registration material or if you have questions, please contact: Gary Kong (808) 842-7900, Bill Wong (808) 226-9556, or Earl Ichimura (800) 281-9568.

STATE SCIENCE FAIR - LOOKING FOR MENTORS

The Safe Drinking Water Branch will once again provide awards to students participating in the State Science Fair for the School Calendar Year 2007-2008. Awards will be given to outstanding projects related to drinking water/groundwater in the Senior Research, Junior Research, and Junior Display divisions.

STUDENTS NEED MENTORS: *“We are looking for a few good men and women to help future water professionals.”* If you are interested in mentoring a student’s drinking water/groundwater related science fair project, contact the district Science Fair Coordinator in your area/location:



District Fair Coordinators Contact Information:

<u>District</u>	<u>Coordinator</u>	<u>Phone No.</u>
East Hawaii	Jamie Nekoba	974-4888
West Hawaii	Kathy Ishii	327-4781
Kauai	Barbara Baker	274-3185
Maui	Ron Okamura	984-8020
HAIS	Dan Nelson	532-2431/440-7423
Leeward	Stephen Nakano	677-6638
	Fred Nakaguma	487-3098
Windward	Amy Watanabe	271-3908 (cell)
	Donna Therrien	233-5720

UNIVERSITY OF HAWAII • OUTREACH COLLEGE: WATER TECHNOLOGY CONTINUING EDUCATION

2007 CLASSES:

Sep 20 • Thu • State Laboratories Division (Pearl City), Auditorium, 2725 Waimano Home Road
 Operator Math Review -Pearl City (S09328) • 7:45-11:45am • 1 mtg • \$42 • Jay M. K. Stone
 Sanitary Survey Concepts -Pearl City (S09329) • 12:15-4:15pm • 1 mtg • \$42 • Jay M. K. Stone

Oct 9 • Tue • UHM Krauss 012 (Yukiyoshi Room).

For campus map, go online to: <http://www.hawaii.edu/campusmap>; park in lower campus parking structure
 Operator Math Review -Manoa (S09282) • 7:45-11:45am • 1 mtg • \$42 • Jay M. K. Stone
 Sanitary Survey Concepts -Manoa (S09327) • 12:30-4:30pm • 1 mtg • \$42 • Jay M. K. Stone

2008 SPRING CLASSES:

Jan 9 • Wed • UH Lanai Education Center, 329 7th St.

Operator Math Review -Lanai (S09339) • 8:30am-12:30pm • 1 mtg • \$46 • Robert Brokate
 Total Coliform Rule for Small Systems -Lanai (S09338) • 1:00-5:00pm • 1 mtg • \$46 • Robert Brokate

Feb 12 • Tue • DOH Environmental Health Facility, 1582 Kamehameha Avenue

Waterworks Overview: Water Basics, Reservoirs, Wells, Water Quality & Regulations -Hilo (S09340) • 7:45am-4:15pm • 1 mtg • \$92 • Edward Pedrazzi

Feb 13 • Tue • Maui Community College, 310 Kaahumanu Ave.

For campus map, go online to: <http://maui.hawaii.edu/about/maps.html>
 Waterworks Distribution System: Hydraulics, Pipes, Appurtenances, and Waterworks Math -Maui (S09341)
 8:00am-4:30pm • 1 mtg • \$92 • Edward Pedrazzi

Because the break between morning and afternoon sessions is short, a brown bag lunch is recommended.

Please bring a handheld calculator to all classes.

For more information, call (808) 956-8244 or go to www.outreach.hawaii.edu/noncredit

On the Spot:

<i>John Topliss Retires After 20+ Years With The Safe Drinking Water Branch.....</i>	<i>1</i>
<i>Coming Soon: Hawaii County Fair.....</i>	<i>1</i>
<i>2007 HWWA Conference - Still Time to Register.....</i>	<i>2</i>
<i>2007 American Rainwater Catchment System Association Conference Summary.....</i>	<i>2</i>
<i>July WTPO Exam Results Are In!.....</i>	<i>4</i>
<i>American Backflow Prevention Association-Hawaii Chapter presents the Pacific Rim Conference.....</i>	<i>5</i>
<i>Environmental Education Activities.....</i>	<i>6</i>
<i>University of Hawaii - Outreach College: Water Technology Continuing Education..</i>	<i>6</i>

Please send your suggestions, ideas, questions or comments to:

THE WATER SPOT 2007
Safe Drinking Water Branch
State Department of Health
919 Ala Moana Blvd., Room 308
Honolulu, Hawaii 96814

Fax us at (808) 586-4351,
Attn: "THE WATER SPOT 2007"

SDWB WEB SITE:
<http://www.hawaii.gov/health/environmental/water/sdwb>



LINDA LINGLE
Governor of Hawaii

CHIYOME LEINAALA FUKINO, M.D.
Director of Health

LAURENCE K. LAU
**Deputy Director for
Environmental Health**

We provide access to our activities without regard to race, color, national origin (including language), age, sex, religion, or disability. Write or call our Affirmative Action Officer at Box 3378, Honolulu, HI 96801-3378 or at (808) 586-4616 (voice) within 180 days of a problem.

The Water Spot 2007 (September 2007)
Safe Drinking Water Branch
Environmental Management Division
Hawai'i Department of Health
919 Ala Moana Boulevard, Room 308
Honolulu HI 96814

