

## SAFE DRINKING WATER BRANCH CELEBRATES THE 100<sup>th</sup> ISSUE OF THE WATERSPOT

### "In the Beginning - A Newsletter is Born"

In EPA's eighteen-month evaluation of the Hawaii Public Water System Supervision Program covering the period of October 1, 1995 to March 31, 1997, EPA identified several program implementation shortfalls. One of the areas of most concern was passive communication with the regulated community.

EPA's findings and recommendations were that, with the passage of the 1996 Safe Drinking Water Act Amendments, the State would need to build upon existing efforts and develop new authorities and programs. The State was strongly encouraged to engage the regulated community on state/national drinking water program development and implementation issues.

In June 1997, the Safe Drinking Water Branch (with the approval of Bruce Anderson, then Deputy Director for Environmental Health) initiated a newsletter for water suppliers and other interested parties. In the approval request to Bruce Anderson, William Wong, then Chief of the Safe Drinking Water Branch stated, "The growing number of requirements, as well as the complexity of some of the issues pertaining to water suppliers, dictate that we develop some vehicle for the dissemination of this information. In addition, we believe that such information will further emphasize the need to keep abreast of current regulations by sparking inquiry and comment from the water suppliers." Thus, "The WaterSpot" was born.

### "Where we are now"

Over the years, the circulation of the newsletter has increased from 120 representatives of Hawaii's public water systems to well over 400 representatives (at one point reaching over 500) of public water systems, water system operators, consultants, and others.

While we have made significant progress to improve communications and outreach with the regulated community, system operators, and the public over the years, through mail-outs, training and presentations, and the SDWB website; with this our **100<sup>th</sup> issue** "The WaterSpot" remains one of our primary avenues in providing drinking water program information to the regulated community, operators, consultants, and the public.

**After years of mailing newsletters, we have finally gone electronic.** By creating an email distribution list/database of public water system personnel, water system operators, government agencies, consultants, and others we are now able to send the SDWB newsletter via email. Sending the newsletter via email will allow the SDWB to reduce the cost of staff time (for copying, folding, and preparing the newsletter for mailing), copying and postage; as well as provide you with a better product by allowing you to view the newsletter in color (versus the black printed mailouts); and reaching more people and providing wider access to the newsletter. We began the email distribution to public water system contacts and water operators with the August issue and are slowly adding on the government agencies, consultants, and other interested parties.

For those of you who do not have a computer or email access, you can still receive the newsletter vial mail. Simple let us know that you want the newsletter to be mailed to you by calling (808) 586-4258, send a fax to (808) 586-4351, or emailing the SDWB at [sdwb@doh.hawaii.gov](mailto:sdwb@doh.hawaii.gov).

**THIS ISSUE (SEPTEMBER 2008) REPRESENTS THE 100<sup>th</sup> ISSUE OF "THE WATERSPOT" NEWSLETTER.**

The newsletter will also be available on the SDWB website at:

***<http://www.hawaii.gov/health/environmental/water/sdwb>***

## COUNTY OF HAWAII RECEIVES EPA AWARDS

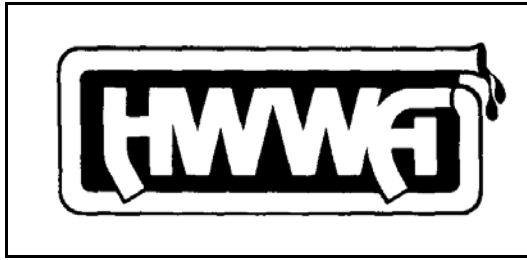
Two County of Hawaii, Department of Water Supply Drinking Water State Revolving Fund (DWSRF) projects were awarded the 2008 Awards for Sustainable Health Protection. Pahala Well “B” (Replace Alii Tunnel) and Honomu Production Well and 0.3 MG Reservoir won the Aquarius Award for the Drinking Water Program and Mayor Harry Kim accepted the awards from US EPA Administrator Stephen Johnson on August 25 in Kona. Alain Carey, Drinking Water SRF engineer and April Matsumura, Clean Water SRF engineer, represented the state Department of Health at the awards ceremony.

The projects provide high quality drinking water to two communities with superior management, innovation, and financial integrity by Hawaii DWS. Pahala Well “B” is being constructed to replace Alii Tunnel, which was under the direct influence of surface water, to serve the community of Pahala with high quality drinking water. The community of Honomu is replacing their sole drinking water source, Akaka Falls Spring, which is suspected to be under the direct influence of surface water, with a new groundwater well and 0.3 MG concrete reservoir to meet the current water demand. Both projects are expected to complete construction and be on-line by 2009.

In addition, the Pisces Award was awarded to the County of Hawaii, Department of Public Works, for the Hawaii Cesspool Conversion Project in the Clean Water SRF program



**(L-R) Wayne Nastri, EPA Region 9 Administrator, Mayor Harry Kim, and EPA Administrator Stephen Johnson.**



Hawaii Water Works Association  
October 29 - 31, 2008  
Grand Wailea Resort Hotel & Spa  
Wailea, Maui, Hawaii

**Pipe Dreams...Meeting Increasing Customer Demands**

Aloha!

The County of Maui, Department of Water Supply, is pleased to host this year's 47<sup>th</sup> Annual Hawaii Waterworks Association Conference. The conference will be held from October 29 - 31, 2008, at the Grand Wailea Resort & Spa, in Wailea, Maui.

The theme selected this year is "Pipe Dreams...Meeting Increasing Customer Demands".

Speakers from the public and private sectors will talk on issues affecting our water sources and their protection. Presentations on desalination, conservation, watershed and source protection, water rate study, and water treatment innovations are some of the highlights in this year's conference. Panel discussions on Hawaiian water values and recent legal cases and their implications for source water availability will provide a forum for more detailed discussions on these issues.

The conference offers a field trip to the Kaheawa Wind Farm. We will also mix business with pleasure by sponsoring a golf tournament; an evening social function in a less formal setting at a beach front property located in Makena, and conclude the conference with our annual banquet.

We have arranged for special conference room rates for attendees. These rates are good for three days before and after the conference at the Grand Wailea Resort and Spa. Please make your hotel reservations by calling 1-800-888-6100. Be sure to register early to reserve your space.

We look forward to seeing you in October.

**JEFFREY K. ENG**  
**Director, Maui Department of Water Supply**  
**President, Hawaii Water Works Association**

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**Registration packet may be download from the following website:**

**[http://www.awwa-hi.org/forms/2008\\_HWWA.pdf](http://www.awwa-hi.org/forms/2008_HWWA.pdf)**

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## WEDNESDAY, OCTOBER 29, 2008

- 8:00 - 8:15 AM Session 1 - Moderator: Eric Yamashige, Deputy Director, Maui DWS  
**WELCOME & OPENING REMARKS**  
Jeffrey K. Eng, President, HWWA
- 8:15 - 8:45 AM **GROUNDWATER**  
**SUSTAINABLE YIELD REVISIONS & THE WATER RESOURCES PROTECTION PLAN**  
Roy Hardy, Commission on Water Resource Management, DLNR
- 8:45 - 9:15 AM **PROTECTING WATER QUALITY**  
Daniel Chang, Safe Drinking Water Branch, DOH
- 9:15 - 9:45 AM **CONSERVATION EASEMENTS FOR RESOURCE PROTECTION**  
Leah Hong, Trust for Public Land
- 9:45 - 10:00 AM **BREAK**
- 10:00 - 10:45 AM **ARIZONA'S 100 YEAR ASSURED WATER SUPPLY RULES**  
Mitch Basefsky, Tucson Water
- 10:45 - 11:30 AM **TALES OF FRENCH FRIES & BOTTLED WATER - The Environmental Consequences of Groundwater Pumping**  
Keynote Speaker: Robert Glennon, University of Arizona
- 11:30 - 1:00 PM **LUNCH SPEAKER: MAYOR CHARMAINE TAVARES**
- 1:00 - 3:30 PM Session 2 - Moderator: Ellen Kraftsow, Water Resources Planning Program Manager  
**PANEL: PLANNING PONO - Hawaiian Values, Tradition & Customary Uses & Views of Resource Protection & Process for the Water Use & Development Plans**  
Panel Moderator: Kawika Tengan, University of Hawaii  
Speakers: Kaleikoa Kao, Luana Kawaa, Daviana McGregor, Walter Ritte, & Stacy Sproat
- 3:30 - 3:45 PM **BREAK**
- 3:45 - 4:15 PM **FUNDING SOURCE WATER PROTECTION**  
Daniel Chang, Safe Drinking Water Branch, DOH

### **MEET & GREET Beach Front Property At Makena Landing**

## THURSDAY, OCTOBER 30, 2008

- 7:00 AM **BREAKFAST & REGISTRATION**
- 8:00 - 8:30 AM Session 3 - Moderator: Skip Griffin, P.E., Senior Vice President, PBS & J  
**CONSERVATION & EFFICIENCY**  
**DEVELOPING TIERED RATES FOR CONSERVATION**  
Ann Hajnosz, R.W. Beck
- 8:30 - 9:00 AM **WATER CONSERVATION - A Realistic Alternative to Supply Expansion**  
Paul Nash, Alpine Water Management
- 9:00 - 9:30 AM **ENERGY EFFICIENCY & PRODUCTION FOR WATER UTILITIES**  
Carl Freedman, Haiku Design & Analysis

- 9:30 - 10:15 AM **IRRIGATION SYSTEM EFFICIENCY**  
Tim Wilson, H2O Stewardship Solutions
- 10:15 - 10:45 AM **EFFICIENT LANDSCAPE WITH A HAWAIIAN SENSE OF PLACE**  
Jonathan Keyser, Maui Native Nursery
- 10:45 - 11:00 AM **BREAK**
- 11:00 - 11:45 AM **REACHING OUT & EMPOWERING CUSTOMERS TO CHOOSE**  
**WHAT THE CUSTOMER WANTS – Tucson’s Decisions H2O Experience**  
Mitch Basefsky, Tucson Water
- 11:45 - 12:45 PM **LUNCH**
- Session 4 – Moderator: Lisa Sorgini, Siemens Water Technologies
- 12:45 - 1:15 PM **INTELLIGENT UTILITY**  
**ECONOMIC INTEGRATION MODEL TO EVALUATE CAPITAL & CONSERVATION OPTIONS**  
Carl Freedman, Haiku Design & Analysis
- 1:15 - 1:45 PM **GIS APPLICATION FOR WATER UTILITIES**  
Suzanne Timani, ESRI
- 1:45 - 2:15 PM **WATERSHEDS & STREAMS**  
**WATERSHED PROTECTION**  
Art Medeiros, National Biological Service, USGS
- 2:15 - 2:45 PM **INSTREAM FLOW STANDARDS UPDATE**  
Dean Uyeno, CWRM
- 2:45 - 3:00 PM **BREAK**
- 3:00 - 3:30 PM **TREATMENT INNOVATIONS**  
**SHIPBOARD DESALINIZATION**  
Skip Griffin, P.E., Senior Vice President, PBS & J
- 3:30 - 4:00 PM **MAGNETIC ION EXCHANGE FOR TOTAL ORGANIC CARBON REMOVAL**  
Barbara Martin, Orica Water Care
- 4:00 - 4:30 PM **STABILIZATION OF RO TREATED WATER**, Steve Duranceau, University of Central Florida

## **BANQUET – Grand Wailea Resort & Spa**

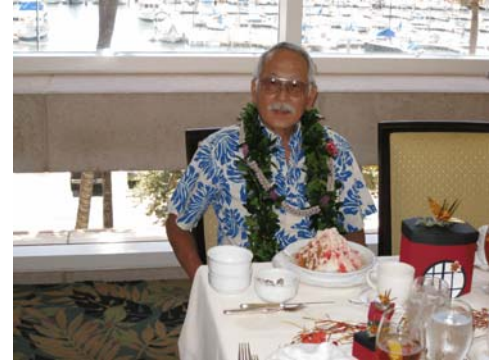
### **FRIDAY, OCTOBER 31, 2008**

- 7:00 AM **BREAKFAST & REGISTRATION**
- 8:00 - 9:00 AM Session 5 - Moderator: Paul Seitz, Water Treatment Facilities Division Chief  
**PANEL: RECENT LEGAL CASES & THEIR IMPLICATIONS - Source Water Availability**  
**Plus Legal Issues Regarding Wellhead Protection**  
Panel Moderator: Jane Lovell, Deputy Corporation Counsel, County of Maui  
Speakers: Kapua Sproat, Ben Kudo, & Bill Tam
- 9:00 - 9:30 AM **IN-SYSTEM INNOVATIONS**  
**CORROSION CONTROL FOR DUCTILE IRON PIPE**, Leon Manian, DIPRA
- 9:30 - 10:00 AM **WATERPROOFING CONCRETE TANKS FOR THE FUTURE**  
Tom Boomer, Structural Concrete Bonding & Restoration, Inc.
- 10:00 - 10:30 AM **THE MANY FACES OF FUSIBLE PVC PIPE**  
Rob Craw, Underground Solutions, Inc.
- 10:30 -10:45 AM **CONCLUSION & WRAP UP**, Jeffrey K. Eng

## **BENTO LUNCH - FIELD TRIP & GOLF**

Donald Yasutake, an Engineer with the Safe Drinking Water Branch's Engineering Section retired on August 29, 2008. During his tenure, Donald gained the respect of his drinking water colleagues for his knowledge, work ethics, and just plain hard work. During his years with the Safe Drinking Water Branch, Donald was responsible for the implementation of the Lead and Copper Program (and also the lead in drinking water at schools and child care facilities project), development of the Capacity Development and Circuit Rider Programs and beginning the operator training program. Donald was also instrumental in leading the SDWB's sanitary survey efforts, not only by conducting surveys and preparing contracts to gain consultant assistance in performing sanitary survey, but by mentoring the Branch's newer and younger engineers.

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



***REMINDER: EAST and WEST HAWAII CHLORINE PROFICIENCY TESTING***

The State Department of Health will be conducting its annual chlorine proficiency testing for West and East Hawaii water systems. The schedule is as follows:

**KONA:           DATE: THURSDAY, SEPTEMBER 25, 2008**  
Place: Department of Water Supply Kona Baseyard at Tanaka Quarry in Keauhou Mauka  
Time: 10:30 am - 12:00 pm

**WAIMEA:       DATE: THURSDAY, OCTOBER 2, 2008**  
Place: Department of Water Supply South Kohala Baseyard, Opele Road  
Time: 10:00 am - 12:00 pm

**HILO:           DATE: FRIDAY, OCTOBER 3, 2008**  
Place: Department of Water Supply, Operations Conference Room, 889 Leilani Street  
Time: 9:30 am - 12:00 pm

All purveyors performing chlorine testing of drinking water encouraged to participate in this annual event. Please bring your own chlorine test kit (appropriate testing reagent or test packets, calibrated functioning colorimeters or color wheels, etc.).

Any questions can be referred to Belia Rivera-Poy at (808) 974-4245.

## ***UPDATED Capacity Requirements***

### **UPDATED Capacity Requirements**

The Safe Drinking Water Branch has revised the requirements for ““*Pre-Construction Capacity Evaluation for New Community and New Non-Transient Non-Community Water Systems*”” and ““*Startup Capacity Evaluation for New Community and New Non-Transient Non-Community Water Systems*.”” The new requirements are effective August 31, 2008. New regulated community and non-transient non-community water systems must satisfactorily demonstrate technical, managerial and financial capacity through the review and approval of a pre-construction capacity report and a startup capacity report.

If you are planning to develop a new regulated community or non-transient non-community water system, please contact the Safe Drinking Water Branch, Engineering Section at 586-4258 to discuss the pre-construction and startup capacity requirements.

Both revised documents will be available on the SDWB website shortly.

<http://hawaii.gov/health/environmental/water/sdwb/index.html>

### ***SDWB TO PARTICIPATE IN OUTREACH EVENT***

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 18-21, 2008 at the Hilo Civic Center.

The fair hours are as follows:

<b>September 18 (Thursday)</b>	<b>6:00 pm</b>	<b>to</b>	<b>12:00 Midnight</b>
<b>September 19 (Friday)</b>	<b>6:00 pm</b>	<b>to</b>	<b>12:00 Midnight</b>
<b>September 20 (Saturday)</b>	<b>12:00 noon</b>	<b>to</b>	<b>12:00 Midnight</b>
<b>September 21 (Sunday)</b>	<b>12:00 noon</b>	<b>to</b>	<b>5:00 pm</b>

### ***STATE LABORATORIES DIVISION STAFF NEWS***

Tara Katayama resigned from here position as a chemist with the Environmental Health Analytical Services Branch (EHASB), State Laboratories Division of the Hawaii Department of Health, as of August 22, 2008. Tara was responsible for the analysis of Synthetic Organic Chemicals (SOC) and Carbamate in drinking water samples. In the interim (until the position can be filled), Richard Kiyokane and Robert Pineda, Quality Assurance Officers with the EHASB will handle the SOC and Carbamate in drinking water analyses.



**On the Spot:**

*SDWB Celebrates 100<sup>th</sup> Issue of “The WaterSpot”* ..... 1  
*County of Hawaii Receives EPA Awards*..... 2  
*Hawaii Water Works Association Annual Conference* ..... 3  
*SDWB Staff News* ..... 6  
*REMINDER: East and West Hawaii Chlorine Proficiency Testing* ..... 6  
*UPDATED Capacity Requirements* ..... 7  
*SDWB to Participate on Outreach Event* ..... 7  
*SLD Staff News* ..... 7

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

*THE WATER SPOT 2008  
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 2008”*

*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 2008 (September 2008)***  
**Safe Drinking Water Branch**  
**Environmental Management Division**  
**Hawai'i Department of Health**  
**919 Ala Moana Boulevard, Room 308**  
**Honolulu HI 96814**

