

LU A LINE



A Publication of the Hawaii Water Environment Association

Volume 18 Number 2

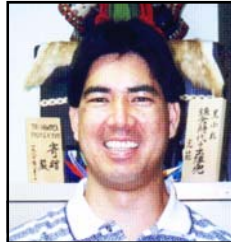
Website: <http://www.hwea.org>

Summer 2005

PRESIDENT'S MESSAGE

By Dwight Nakao, 2005-2006 HWEA President

I'd like to take this opportunity to thank all the hard working individuals that continue to make the Hawaii Water Environment Association a successful organization in the Pacific Region. A heartfelt appreciation goes out to our Executive Board members that put in countless hours of voluntary time. They are: Vice President, Ms. June Nakamura, of Engineering Solutions, Inc. Secretary/Treasurer, Mr. John Katahira, of The Limtiaco Consulting Group. National Director, Mr. Ivan Nakatsuka, of Austin, Tsutsumi & Associates, Inc. Past President, Ms. Kristie Ching, of the City and County of Honolulu's Design & Construction Department. PWO Representative, Mr. Jerry Morgan, of the County of Maui's Wastewater Reclamation Division.



Dwight Nakao

The Executive Board meets regularly every month to address, discuss, and provide direction to the more than twelve Specialty Committees. The Executive Board also responds to requests made through HWEA's web site and from any source outside of the membership. We encourage anyone that may have an inquiry, concern, or just want to make a comment to please make contact with anyone of us. The Executive Board is here to provide the best service to our members as well as any interested people.

One of my objectives as President was to create an open forum for our members, particularly providing our PWO members an opportunity to get the most out of their membership. There has been efforts to fully achieve this objective, however, I will need more input from our PWO members. Please take the time to jot down any comments, concerns, or suggestions and forward them to me.

The first effort will be at our annual PWO Softball tournament coming up on November 12 & 13, 2005. What I've been told this will be a spectacular event

and filled with many surprises. Also attached to this long weekend will be a golf tournament only done the Maui style. Yes, this year's annual PWO Softball tournament will be held on Maui, so start packing your bags and plan to have a fun time while participating.

Also worth mentioning is the upcoming Annual Conference & Exposition happening on February 8, 9, & 10, 2006. The Conference Committee has been working very hard and plans to put on a productive and rewarding conference. Another HWEA event you don't want to miss. Mark your calendars and hope to see all of you there in February.

Remember at HWEA's Annual Conference we have the Operations Challenge and the winning team is sponsored by HWEA to compete at the National Water Environment Federation Conference somewhere on the mainland. For the past three years the Maui team has won this event and let's see if they hang on to their streak. Round up those teams, all you'll need to make a team is four members, so let's have some healthy competition. This event will also have a few exciting challenges and will be rewarding for all participants and spectators as well.

HWEA is your organization and we'd like each one of our members to benefit from your membership and take an active part with all the activities provided.

NEWS FROM THE NATIONAL DIRECTOR

Ivan Nakatsuka, National Director

Ph. 1-808-533-3646, Fax 1-808-526-1267



Ivan Nakatsuka

It seems to be a slow time on the national scene right now, as WEF is gearing up for WEFTEC in D.C. Therefore, I want to instead take a trip down memory lane and reminisce about past HWEA/ HWPCA Conferences. What prompted me to do so was when I commented to Jay Stone and Travis Hylton a few months ago that this past year's Conference was the best ever – with all due respect to past Conference Chairs - and that this opinion was based on my having attended every single conference. Now that can be viewed as either commitment, or old age – maybe both.

So as I share my experiences over the past 27 years, maybe some of you other just-as-mature members can conjure up your own. As a famous Frenchman of years gone by used to sing, “Ah yes, I remember it well.”

I remember the very first conference in 1979 chaired by Bill Bonnet being held on the second floor above the Long House at the Hilton Hawaiian Village Hotel. (Remember the Surfers performing and cold ginger chicken being introduced at the Long House?) There were no exhibits or banquet with a Casino Night, but it was a great start.

I remember 1986 Conference Chair Mike Chun sweating bullets to not over estimate the banquet count, and thereby leaving \$100 on the Chinese food table. (How poho.) Isn't it ironic that \$1 million is now pocket change for him at Kamehameha Schools.

I remember Wayne Hashiro presenting a paper on the treatment of wastewater with a high chlorides concentration. His opening line was, “If you have any questions, ask Dave Yogi here in the front row.”

I remember 1987 Conference Chair Joe Hanna being the only local to ever wear a suit to the conference. He was so nervous about being in charge that he must have smoked a whole carton of cigarettes over the two days.

I remember 1988 Conference Chair Lee Mansfield telling me that the name of the Chinese chef for our banquet was Mansfield Lee.

I remember being the MC for the banquet in the Garden Lanai of the Ala Moana Hotel in the mid-1990s. Felix Limtiaco, being the Director of the Department of Wastewater Management, was our Honorary Chair and slated to give the official “welcome.” A hot topic at that time was creating wetlands for treatment of wastewater in Haleiwa and Waialua. Always being a wise a--, I introduced Felix by saying that he was now coming up to give wetland remarks. Amidst the spontaneous laughter, including from Felix, the one thing that stood out was a primeval yell from Tina Ono of “Ivan!!” I haven't been asked to serve as an MC for an HWEA function ever since.

I remember Vic Moreland receiving the first ever HWEA scholarships jointly with Bruce Roll in 1994, and in accepting the award, Vic being humble and at a loss for words. (H-m-m-m.)

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HWEA CONFERENCE CHAIR/LOCATION

Conference	Year	Conference Chair(s)	Location
1st	1979	William Bonnet	Hilton Hawaiian Village Hotel
2nd	1980	Spencer Yim	Hilton Hawaiian Village Hotel
3rd	1981	Maurice Kaya	Hilton Hawaiian Village Hotel
4th	1982	David Bills	Hilton Hawaiian Village Hotel
5th	1983	David Yogi	Hilton Hawaiian Village Hotel
6th	1984	Victor Moreland	Hilton Hawaiian Village Hotel
7th	1985	Kenneth Sakai	Hilton Hawaiian Village Hotel
8th	1986	Michael Chun	Hilton Hawaiian Village Hotel
9th	1987	Youseff Hanna	Sheraton Waikiki Hotel
10th	1988	Lee Mansfield	Sheraton Waikiki Hotel
11th	1989	Ivan Nakatsuka	Sheraton Waikiki Hotel
12th	1990	Robert Purdie, Jr.	Sheraton Waikiki Hotel
13th	1991	Jeffrey Howard	Sheraton Waikiki Hotel
14th	1992	Roy Abe	Ala Moana Hotel
15th	1993	Audrey Yokota	Ala Moana Hotel
16th	1994	Michael Miyahira/Andrew Amuro	Ala Moana Hotel
17th	1995	Vijay Kumar/Russell Okita	Ala Moana Hotel
18th	1996	Westley Chun/June Nakamura	Ala Moana Hotel
19th	1997	Peter Ono/Lance Manabe	Ala Moana Hotel
20th	1998	Dina Ueoka/Suzette Hokama	Ala Moana Hotel
21st	1999	Pamela Tsugawa/Walter Billingsley	Neal Blaisdell Center
22nd	2000	Kevin Nakamura/Audrey Uyema-Pak	Neal Blaisdell Center
23rd	2001	Leanne Watanabe/Greg Chung	Neal Blaisdell Center
24th	2002	John Katahira/Dwight Nakao	Hawaii Convention Center
25th	2003	Ian Arakaki/Lisa Kimura	Hawaii Convention Center
26th	2004	Paulette Chang/Anna Lee	Hawaii Convention Center
27th	2005	Jay Stone/Travis Hylton	Hawaii Convention Center



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PWO NEWS

Jerry Morgan, PWO Representative

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Fax 1-808-842-1937



Jerry Morgan

Greetings from the PWO...

It's that time of year again when things get really busy for all of us. Halloween is right around the corner and before you know it Thanksgiving and Christmas are here and then it's the New Year.

Well, its also a busy time for the HWEA and especially PWO and we need all your help. Consider getting involved in the upcoming events that will be happening over the next several months.

In October HWEA/PWO will be sending a team from Hawaii to compete in the annual Operations Challenge at the WEFTEC conference in Washington, D.C. and the team certainly can use all the support they can get.

Right of the heels of WEFTEC is the annual Statewide PWO Softball/Golf tournament. Yes, we are planning on golf this year for all of you who like to chase the little white ball around. This annual event will be held on Maui this year during the Veterans Day weekend November 11th thru November 13th. Hopefully, all the islands will be represented in this year's event and everyone is encouraged to come down and root for their favorite team. Details may be obtained from Anita Fernandez this year's tournament coordinator. She can be reached at the Kihei Central Laboratory (808-879-6109). Mahalo to Anita and also Steve Parabolicoli, Mike Miyamoto and the rest of her band of helpers for all the work that they do for our organization and especially for organizing this event.

Next on the agenda is the HWEA Conference in February at the Hawaii Convention Center. December 1st is the deadline for registering teams for the 2006 HWEA Conference Operations Challenge. Hopefully, this year's contest will draw teams from all the islands. Interested in forming a team? You can contact Theo Leong, the Operations Challenge Coordinator at 808-891-8169 or myself to get all the details.

This year we hope to be able to renew something that hasn't happened for a few years now and that is the

HWEA Operations Awards. These awards include the "Bill Hong" Operator of the Year Award, the Operations Incentive Award and the PWO Operations Achievement Award and are also presented at our annual conference. So hopefully, you all know someone who is deserving of these awards and will take the time to nominate your favorites. The deadline for nominations is also December 1st so hurry and get those nominations submitted. For more information and for nomination forms, you can visit our website at www.hwea.org or you may contact me.

As we draw closer to the start of the HWEA Conference, we will have more information on this year's program. The Conference Committee is again planning on providing Operations oriented content for this year's event. An "Operators" track of technical sessions will be on the program; as well as, laboratory demonstrations, and the Operations Challenge.

If any PWO member is interested in becoming involved in the Conference either as a presenter, moderator, challenge judge/helper, or team sponsor look out for the various announcements regarding the Conference or you can just get in touch with me and I will try to steer you in the right direction.

In the next few weeks we will be sending out letters to many of you asking for your support. We hope that you will be able to contribute with your time and money to help make all our PWO events the best they can be.

I hope to see all of you sometime in the upcoming months at one or all of the HWEA events.

Secretary-Treasurer's Report

Bank of Hawaii Accounts

Member Associations	\$20,857.98
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Merrill Lynch Accounts

Member Associations	\$14,425.58
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Conference	\$83,492.58
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<i>Petty Cash</i>	\$75.00
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TOTAL	\$118,851.14
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STUDENT ACTIVITIES REPRESENTATIVE COMMITTEE

Kyle Yukumoto, Committee Chair
Ph. 1-808-842-1133, Fax 1-808-842-1937



Kyle Yukumoto

WE ARE NOW ACCEPTING APPLICATIONS FOR THE HWEA 2006 SCHOLARSHIP!

Need extra gas money \$\$\$? How about \$2,000 in cash to help pay for tuition, books, parking, and even gas? HWEA is once again helping students fund and pursue their dream of a higher

education. HWEA is offering up to two \$2,000 scholarships to qualified students who are enrolled or planning to participate in a college or university program during the Fall 2006 term.

Students are eligible if they or their parents are

HWEA members as of October 31, 2005. To become a member, sign up at <http://www.hwea.org/membrshp.htm>.

We invite all HWEA members with eligible dependents, or HWEA student members to apply for the HWEA 2006 scholarship. The official announcement/application is included in this issue of the Lua Line and is posted online at <http://www.hwea.org>.

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Sand Island WWTP Expansion
 Island of Oahu - 2005

Makena WWTP
 Island of Maui - 2002

Keahole WWTP
 Island of Hawaii - 2001

2006 HWEA SCHOLARSHIP PROGRAM

PURPOSE

To provide financial assistance to HWEA members and their dependents seeking higher education, and to encourage academic excellence.

ELIGIBILITY

1. Any dues-paying member of HWEA (including PWO) or member's dependent (claimed as a dependent on the member's most recent income tax return) since May 31, 2005.
2. Must be at least a freshman in the Fall 2006 semester at a college or university, enrolled full-time in a bachelors, masters, or doctorate degree program.
3. Curriculum of study (or major) to include engineering, public health, or natural sciences (e.g. biology, chemistry, geology, microbiology, oceanography, physics, etc.), as related to the protection and enhancement of the water environment and associated public health.
4. Previous HWEA scholarship awardees are not eligible.

AWARD

Up to two \$2,000 awards may be made each year. Awardee(s) will be invited to the HWEA Conference awards luncheon at no charge.

ENTRY REQUIREMENTS

In order to be considered, applicants must submit the proper application form (both pages), provide an official transcript of grades for the most recent academic year and submit a letter of application, including the following application form and the items listed in Item 6. of the application form.

SELECTION

The number of awards to be made and the selection of the awardee(s) will be determined by the HWEA Executive Committee. Consideration will be given to applicants who are dedicated to their fields and have set goals for themselves which are consistent with the advancement of the objectives of WEF and HWEA.

TIME SCHEDULE

Applications must be submitted (or postmarked) no later than December 1, 2005.

Awards will be announced at the HWEA Conference on February 10, 2006. (date subject to change)

Awards will be available for Fall 2006 (for Spring 2006, if already enrolled at a college/university) and will be presented to the recipient upon proof of registration.

**FOR MORE INFORMATION, PLEASE CONTACT:
KYLE YUKUMOTO (Phone: 842-1133, Fax: 842-1937, Email: student-activities@hwea.org)
APPLICATION FORMS MAY BE REPRODUCED.**

5. Attach an official transcript of grades for your most recent academic year. Official transcripts from the school may be mailed directly to the address below. Grades that are printed from on-line access or unofficial transcripts (e.g. report card) will not be accepted.
6. Please submit a letter of application addressed to the HWEA Executive Committee covering the following:
 - A. Reason for desiring a scholarship. Indicate to what expense(s) award will be applied.
 - B. Description of how your curriculum of study is related to the protection and enhancement of the water environment and associated public health.
 - C. Academic interest/vocational plans, including any plans for graduate work.
 - D. Interests and activities: hobbies, memberships, offices held, etc.
 - E. Employment - major work since high school graduation, type of work, name of employer, address, full-time or part-time, value of experience.
 - F. Any other information that may assist the Executive Committee in making a decision.
7. Submit the application package (postmarked) by ***December 1, 2005*** to:

Hawaii Water Environment Association
c/o R. M. Towill Corporation
420 Waiakamilo Road, Suite #411
Honolulu, Hawaii 96817

Attention: HWEA Scholarship Committee
Kyle Yukumoto

GOVERNMENT AFFAIRS COMMITTEE

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 Ph. 1-808-521-3051, Fax 1-808-524-0246
Walter Billingsley, Vice-Chair
 Ph. 1-808-521-5361, Fax 1-808-538-7819



Robin Matsunaga



Walter Billingsley

Status of 301(h) Secondary Waiver Permits for Sand Island and Honouliuli WWTPs
October 4, 2005
 Article by: David Nagamine

The 301(h) NPDES permits for the City’s Sand Island and Honouliuli WWTPs allow the discharge of less than secondary treated effluent into deep ocean waters. The current NPDES permits for these two plants have expired and are currently administratively extended. The City made timely application for renewal and is currently awaiting decisions from EPA Region IX. Below are background and facts on the waivers and status of EPA decisions.

Clean Water Act Section 301(h) Chronology

- 1972 - Federal Water Pollution Control Act required secondary treatment for all publicly owned treatment works
- 1977 - Clean Water Act Amendments added Section 301(h), which allows case-by-case review for dischargers of less-than-secondary effluent into marine waters
- 1981, 1987 - Additional amendments to Section 301(h)

Section 301(h) Major Provisions

- Discharge must be into deep ocean waters
- Must achieve primary treatment defined as 30% removal of BOD & TSS
- Receiving waters must meet State WQ Standards to protect public health and maintain a balanced indigenous population

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- Heads to 150 feet (46 m)
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- Must implement a toxics control program
- Must establish a receiving water monitoring program

Sand Island Wastewater Treatment Plant

- Service Area – greater Honolulu from Moanalua Valley to Niu Valley
- Average flow - 70 million gallons per day
- Sand Island Outfall Diffuser – 2 miles off shore; 240-foot depth
- Treatment – coarse screening, dissolved air floatation, fine screening

Sand Island 301(h) Chronology

- 1979 - City applied for 301(h) permit
- 1990 - Citizen suit filed for not meeting secondary treatment reqts.
- 1990 - First 301(h) permit issued
- 1994 - City reapplied for permit renewal
- 1998 - 301(h) permit renewed
- 1999, 2002 - EPA Administrative Orders for noncompli-

(Continued on page 10)

WEF MEMBER SERVICE E-MAIL

misc@wef.org: address changes, membership inquiries, subscription inquiries, or anything related to membership

pubs@wef.org: order publications, check on order status, price quotes

confinfo@wef.org: registration questions and requests for conference information

techniq@wef.org: technical questions

webfeedback@wef.org: your comments about our website



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Facsimile: 808.792.2033

General Email: Info@BillsEngineering.com



Fairway Villas - Waikoloa



Ka'elepulu Reconstructed Wetlands

(Continued from page 9)

ance issued

2003 - City reapplied, permit administratively extended

2004 - Citizen suit filed for permit noncompliances

Honouliuli Wastewater Treatment Plant

- Service area – Aiea, Pearl City, Waipahu, Waikele, Waipio, Mililani, Ewa, Kapolei, and Ko'olina
- Average Flow – 27 mgd (13 secondary, 14 primary treated)
- Barbers Ocean Outfall – 1½ miles offshore; 205-foot depth
- Primary Treatment – coarse screening, preaeration and grit removal, primary settling, fine screening
- Secondary Treatment – Trickling filter, solids contact, secondary clarification

301(h) Chronology

1979 - City applied for 301(h) permit

1983 - City reapplied for permit renewal

1991 - First 301(h) permit issued

1995 - City reapplied for permit renewal, permit administratively extended

2003 - EPA issued Findings of Violations and Order for

Compliance

2004 - Citizen suit filed for noncompliances

Status of EPA Decisions

Review of reapplications for both 301(h) permits have been completed and EPA Region IX expects to issue decisions in November 2005. EPA has informed the City Administration that they expect to deny the permits based on the City's permit noncompliances and not on impact to receiving waters. EPA cites the noncompliances with construction schedules, O&M violations, effluent limits and other permit provisions.

Since issuance of the EPA Orders and Finding of Violations, the City has worked closely with EPA Region IX on preparation and implementation of plans to address the noncompliances. Most of the noncompliances have already been addressed. The City is working with EPA to address the remainder. Details of the City's compliance efforts cannot be detailed because of the ongoing citizen suit.

(Continued on page 12)

MEMBERSHIP COMMITTEE

Alma Takahashi, Committee Chair
Ph. 1-808-270-7420, Fax 1-808-270-7425
Yvonne Miyasato, Vice-Chair
Ph. 1-808-270-7419, Fax 1-808-270-7425



Alma Takahashi



Yvonne Miyasato

The HWEA would like to welcome the following new members:

Christin Walsh
 Dan Clark
 Bibiano Bihag

HWEA MEMBERSHIP STATUS AS OF SEPTEMBER 12, 2005

Category	Members
Active	190
PWOD	135
Corporate	5
Half-Life Active/Retired	12
Life	7
Student	3
Retired	3
Total	355

CHANGE YOUR ADDRESS ONLINE

Changes to your mailing/e-mail address and phone/fax number can be done through the WEF website at www.wef.org:

Enter membership ID - use full membership ID of 8 characters (if it's a 7 digit ID, please add a leading zero (0) at the beginning)

Enter password - if never logged in before, it will be the first 15 characters of the last name, or the first 15 characters of the company name for corporate members

Click on the following:

- Membership & Professional Services
- Membership Information
- Join/General Info
- I want to join WEF now
- My membership info
- Change address

Update the information and submit the record

Or, you could inform the Membership Committee of any changes so you can continue to receive local and national publications and information.

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 Internet: <http://www.fainc.org>

HWEA CALENDAR OF EVENTS

EVENT	DATE
PWO Softball and Golf Tournament	November 12 - 13, 2005
Third Biennial HWEA Collection System Conference	November 16 - 17, 2005
28th Annual HWEA Conference and Exposition	February 8 - 10, 2006

(Continued from page 10)

Estimated Costs of Constructing/Operating Secondary Treatment (2015 costs)

Sand Island Secondary Treatment (90 mgd)

- Capital cost - \$750 million
- Annual O&M cost - \$15 million

Honouliuli Secondary Treatment (construct 38 mgd additional secondary)

- Capital cost - \$375 million
- Annual O&M cost - \$6.3 million

Projected Monthly Sewer Service Charge Increase for Secondary Treatment

- Sand Island Capital - \$22.50
- Sand Island O&M - \$ 4.50
- Honouliuli Capital - \$11.25
- Honouliuli O&M - \$ 1.10

TOTAL \$39.35, SAY \$40.00

Average monthly sewer charge 7/1/05 - \$42.06

2005 SUMMER JOB BANK

For vacancy announcements for the **City and County of Honolulu**, please call the Department of Human Resources at (808) 523-4302.

For vacancy announcement for the **County of Hawaii**, please call the 24-hour Job Hotline at (808) 934-0185.

For vacancy announcements for the **County of Kauai**, please call the Department of Public Works at (808) 241-6610.

For vacancy announcements for the **County of Maui**, please call Carol Kurisu of the Department of Personnel Services at (808) 270-7850.

2005-2006 HWEA BOARD OF DIRECTORS AND SPECIALTY COMMITTEE CHAIRS

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