

2019 Joint Government Water Conference

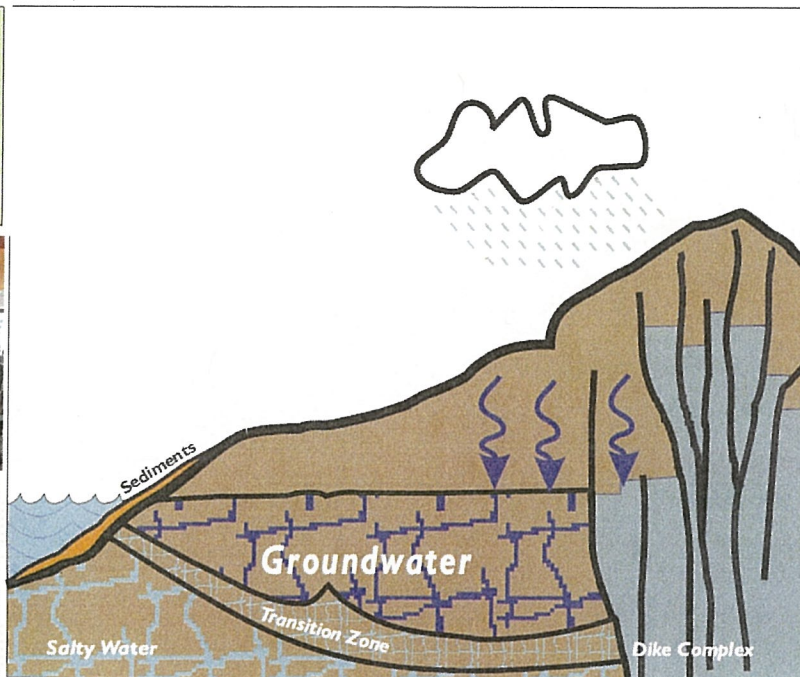
University of Hawaii Campus Center

Honolulu, Hawaii

August 12, 2019

7:30am - 4:00pm

"GETTING THE WORD OUT ABOUT HAWAII'S WATER QUALITY"



Sponsored by:



2019 - 5th Joint Government Water Conference
“Getting the Word Out About Hawaii’s Water Quality”
University of Hawaii Campus Center Ballroom, Honolulu, Oahu
Monday, August 12, 2019 ~ 7:30 am - 4:00 pm

Water Quality and Wastewater Professional(s):

The Department of Health (DOH) Environmental Health Administration (EHA) offices/branches invite you to register for the 5th Joint Government Water Conference. The Conference is intended to provide water industry personnel, government agencies, and other water-related organizations with an update of outreach and education activities being conducted in the State of Hawaii by the various DOH EHA offices/branches and other water related agencies. These presentations will identify activities and how various agencies promote outreach and education to the public and stakeholders on issues and concerns regarding our water quality. This conference will also allow participants to keep abreast of the activities of the water-related government agencies, meet our staff and other water system personnel, ask questions and provide us with feedback, and learn what is in store for the water quality and wastewater industry in the coming years. We look forward to your attendance at our 5th Joint Government Water Conference.

Note: You must pre-register for this conference by Thursday, August 1 2019 (new deadline as of Monday, July 15, 2019).

Registration is limited and will not be accepted on the date of the conference. Priority will be given to people working professionally in water quality (groundwater, drinking water & wastewater) and government environmental protection personnel. A meal will be served as an integral part of the Conference.

Register On-line at: <http://events.egov.com/eventreg/HI/event.htm?name=5thjointgovernmentwaterconferenceoahu>

AGENDA (as of 8/7/2019)		
7:30am	Registration	
8:00am	Opening Remarks and Introduction	Joanna Seto, DOH Safe Drinking Water Branch
8:10am	Water Quality Plan Update	Daniel Chang, DOH Safe Drinking Water Branch
8:30am	Water Industry Notification Requirements for Chemical Spills and Releases – America’s Water Infrastructure Act of 2018; Section 2018	Liz Galvez, DOH Hazard Evaluation and Emergency Response Office
8:50am	Pesticides – Act 45 (Session Laws Hawaii 2018) Pesticides Use Reporting Requirements	Adam Yamamoto, DOA Pesticides Branch
9:20am	Clean Water Branch Education & Outreach and Non-Point Source (NPS) 5-Year Plan Update	Michael Burke & Darcey Iwashita, DOH Clean Water Branch, Polluted Runoff Control Section
9:50am	Networking Break	
10:00am	Groundwater/Source Water Protection from Agricultural Activities Through the Farm Bill.	Susan Kubo, United States Department of Agriculture – Natural Resources Conservation Service (USDA-NRCS)
10:30am	Water Environment Education with Project WET, PART 1	Jonell Kaohelaui'i & Jason Fujinaka, Project Water Education for Teachers (WET)
11:00am	Education and Outreach Activities (Drinking Water)	Arthur Aiu & Stella Bernardo, Honolulu Board of Water Supply
11:30am	Education and Outreach Activities (Stormwater Quality)	Tonya Ketza, City & County of Honolulu, Stormwater Quality Branch
12:00noon	LUNCH: Lunch Speaker Introduce Topics for Afternoon Group Discussion	Session Moderator
1:00pm	GROUP DISCUSSIONS: Long-Range Education and Outreach Planning for: <ul style="list-style-type: none"> Cesspool Upgrades and Water Reuse Groundwater/Source Water Protection 	All Attendees
2:30pm	Drinking Water Education & Outreach	SDWB & KDOW
3:00pm	Water Environment Education with Project WET, PART 2	Jonell Kaohelaui'i and Jason Fujinaka, Project WET
3:30pm	Water Education/Research Connection	Michael Mezzacapo, University of Hawaii, Water Resources Research Center
4:00pm	Wrap-up	

2019 WATER QUALITY PLAN UPDATE

Daniel Chang

Safe Drinking Water Branch

Hawaii Department of Health

Biography

Daniel Chang is an Environmental Health Specialist with the Hawaii Department of Health's Safe Drinking Water Branch. He has over 30 years of experience in hazardous waste, groundwater and drinking water quality and protection programs. Mr. Chang received his bachelor's degree from the University of Hawaii at Manoa, majoring in Chemistry. His duties and responsibilities at the Safe Drinking Water Branch include: oversight/supervision of the Monitoring & Analysis Section and the Groundwater Protection Program. He also provides guidance/assistance to the Wellhead/Source Water Assessment and Protection Program.

Abstract

In 2019, the Hawaii Department of Health completed its update of the Water Quality Plan. The Water Quality Plan summarizes the work that the Departments Water Quality Programs perform and help point the way forward to finding even better ways to protect and improve Hawai'i's public health, water resources and the environment.

This presentation will provide an overview of the department's Water Quality Programs, as well as, identify activities and priorities that are moving our programs forward.

Liz Galvez

Dept. of Health, Hazard Evaluation and Emergency Response Office

Biography

Liz is a supervisor with the Emergency Preparedness and Response Section.

Abstract

The Hazard Evaluation and Emergency Response Office, also known as HEER, will be giving the next presentation. HEER implements the Hawaii Environmental Response Law, the Hawaii State Contingency Plan and the Hawaii Emergency Planning and Community Right-to-know Act.

Owners or Operators of facilities or vessels that release a hazardous substance (chemical and oil) into the environment above the reportable quantity are subject to State notification requirements. Notification is made to HEER.

For Emergency Planning and Community Right-To-Know, facilities having chemicals above Threshold Planning Quantities must notify the State and their local fire department.

Liz, Adam, Terry, Ed – State On-Scene Coordinators as well as Sharon, the HEPCRA Coordinator, collectively have been with HEER for over a century. As State On-Scene Coordinators, they participate in oil-spills drills/exercises, conduct site visit/inspections, get annual medical monitoring, and respond with local first responders. They also coordinate responses with other State, Federal agencies as well as industry and the public.

Adam Yamamoto

Hawaii Department of Agriculture

Biography

Adam Yamamoto is an Environmental Health Specialist with the Hawaii Dept. of Agriculture, Pesticides Branch. As part of the Education and Certification section, his responsibilities include, but aren't limited to, administering exams, and certification, providing training, community education and outreach. He earned his BA in Biology from the University of Hawaii at Manoa.

Abstract

Update to latest (2018) pesticides laws and DOA rule changes: In 2018 Governor Ige signed Act 45 into law. The law's three points were 1) Reporting restricted pesticide usage, 2) Prohibiting the use of restricted pesticides in a 100 ft buffer zone around schools, and 3) Banning the use of products contain chlorpyrifos. Changes to the DOA's administrative rules are awaiting signed approval by the Governor and should go into effect by the end of 2019. This presentation will discuss over both, in greater detail.

POLLUTED RUNOFF CONTROL OUTREACH & EDUCATION

**Michael T. Burke, Clean Water Branch – Polluted Runoff
Control Program, Hawaii Department of Health**

Biography

Michael T. Burke is the Program Specialist in the Department of Health's Clean Water Branch, Polluted Runoff Control (PRC) Program. He's been with PRC for over ten years and supervisor for the past four. Prior to joining PRC, Mike previously worked for the Department of the Attorney General, Hilo Hattie's corporate office, and local tech startup Hoku Scientific. These various employment experiences helped Mike develop extensive contracting, project management, and procurement skills. Mike grew up in Wai'anae and graduated from Hawaii Baptist Academy. He earned a Bachelor of Arts in Political Science from Loyola Marymount University and earned a Juris Doctor from Loyola Law School, in Los Angeles, California.

Abstract

The PRC Program is funded by federal grants from the U.S. Environmental Protection Agency's Clean Water Act Section 319(h) Nonpoint Source Management Program. Grant conditions require an outreach and education component. This short presentation will discuss the evolution of PRC's outreach and education endeavors over the past ten years, along with briefly demonstrating current Clean Water Branch outreach and education efforts in its Monitoring and Permit sections.

Darcey Iwashita
Department of Health, Clean Water Branch

Biography

Darcey Iwashita received a B.S. and M.S. in Natural Resources and Environmental Management from the University of Hawai'i at Manoa. She has been the planner for the Clean Water Branch's Polluted Runoff Control Program since 2014.

Abstract

To address nonpoint source (NPS) pollution problems in Hawai'i, the Clean Water Branch's Polluted Runoff Control Program implements *Hawai'i's NPS Management Plan*, which serves as a guide for the state's NPS mitigation efforts. Every five years, the Polluted Runoff Control Program updates the plan to more effectively manage NPS pollution. The Polluted Runoff Control Program will be revising the *NPS Management Plan* in 2020 to address current waterbody impairments, specific NPS causes and problems, and stakeholder concerns. This presentation will 1) provide an overview of the current *NPS Management Plan*, 2) discuss the preliminary results of the survey on the *NPS Management Plan* update, and 3) request comments and feedback on the *NPS Management Plan* from attendees.

The survey on *Hawai'i's NPS Management Plan* can be taken at <https://arcg.is/SOGTG> and will be available until August 30, 2019. The current version of the plan can be accessed on the Clean Water Branch website at hawaii.gov/doh/pollutedrunoffcontrol.

Susan Kubo

USDA Natural Resources Conservation Service

Biography

Susan Kubo is the Assistant Director for Partnerships for the USDA Natural Resources Conservation Service's Pacific Islands Area, where she works with agencies and organizations on collaborations to make NRCS conservation programs available in the Pacific Islands Area.

Susan was born and raised in Hawaii and received her BS in Civil Engineering from UH Manoa. She has worked with NRCS in California, Utah, Maine, Pennsylvania, and Hawaii. While much of her career has been spent working with farmers, ranchers, and forest managers planning and implementing conservation, she also facilitated partnership efforts in Hawaii on nonpoint pollution and soil health.

Abstract

The Natural Resources Conservation Service provides assistance for conservation of natural resources. In this presentation, they will share information on assistance available through two water quality initiatives, and things to consider when nominating projects for their National Water Quality and Source Water Protection initiatives.

Jonell S.T. Kaohelauiii
Information and Education Specialist & Project Water Education for
Teachers (WET) Hawaii State Coordinator, Department of Water,
County of Kauai

Biography

Jonell S.T. Kaohelauiii is the Information and Education Specialist at the Department of Water, County of Kauai and the State Coordinator for Project WET Hawaii. She has over 15 years of experience as a marketing and communications professional and delivers a “customer first” approach to achieve effective public relations and community outreach programs for Kauai’s Department of Water. As the Project WET Hawaii state coordinator, she oversees a network of facilitators; providing resources and certified training of the award-winning Project WET curriculum. Jonell endorses the Project WET foundation because of its educational contributions towards Hawaii’s sustainable water future.

Abstract

Community outreach and water education programs helps to provide transparency between customers and the importance of the water services we provide. Project WET Hawai'i and its award-winning curriculum provides a hands-on approach to water education by demonstrating advanced water issues using easy-to-conduct activities. The activity demonstration and application can be adapted for any age group and is a popular way for agencies to start the conversation about today’s water issues.

In Part I of this presentation, attendees will learn about the advantages of being a part of the Project WET Hawai'i network, the importance of the water education curriculum in schools, see examples of how other agencies are using project wet and learn how the Project WET curriculum can be applied at the business level for community outreach efforts.

In Part II, attendees will get to experience a live Project WET activity! This demonstration of the Project WET curriculum will cover water services, source, storage and transmission and provide a realistic view of the importance of our water system operations and infrastructure in today’s world.

Arthur Aiu & Stella Bernardo

Board of Water Supply

Biography

Community Relations Specialist II

Arthur is part of the Honolulu Board of Water Supply Communications Office, where he coordinates and conducts the BWS public education and outreach programs. Along with two other Community Relations Specialists, BWS offers free group tours of various facilities such as Waihe'e Tunnel, Nu'uuanu Watershed, and Honouliuli Water Reclamation facilities. BWS also oversees the Halawa Xeriscape Garden that offers regular public hours and hosts a variety of workshops focused on outdoor water conservation. They also schedule speaker engagements and community events. It has always been the goal of BWS to help educate our island community about its fresh water resources, the importance of conservation and the responsibilities of O'ahu's municipal water system operations.

Information Specialist II

Stella is part of the Honolulu Board of Water Supply Communications Office, where she specializes and leads digital, multimedia and social media initiatives. This includes the redesign of the BWS website, the agency's integration into the City & County of Honolulu's HNL. Info messaging platform, the launch of the BWS's presence on Nextdoor.com, and pushing increased agency transparency by filming public meetings and BWS Board of Directors meetings for airing on Olelo Community Media. Prior to joining the BWS, Stella led digital and integrated communications teams in the local news media and local marketing agency spaces.

Abstract

The roles of the Board of Water Supply's Communications Office in keeping Oahu's community up to date and educated about our Island's most precious natural resource – fresh water. Smart phone use is planned to be utilized during the presentation, please have yours available.

Tonya Ketza
Community Relations Specialist
City and County of Honolulu

Biography

Tonya studied Marine Biology at Humboldt State University before coming to Hawaii for her graduate studies in Microbiology at the University of Hawaii at Manoa. Following these studies, she worked at the City and County of Honolulu's Water Quality Laboratory before joining the City's Storm Water Quality Branch as its Public Education and Outreach team leader. She is knowledgeable on an array of water quality concerns and enjoys relaying her knowledge and passion to the public.

Abstract

Education Does Not Always Equal Action

The City and County of Honolulu's (CCH) water pollution prevention outreach programs utilize Community Based Social Marketing (CBSM) process and methods to promote actions that address non-point source pollution to the City's Municipal Separate Storm Sewer System. CBSM is based upon research in the social sciences that demonstrates that behavior change is often most effectively achieved through initiatives delivered at the community level that focus on removing barriers to an activity while simultaneously enhancing the activity's benefits. A case study from the CCH around trash disposal will be presented. As well as application to other aspects of the City's pollution prevention outreach programs.

Sina Pruder

Wastewater Branch

Biography

Sina Pruder received her degree in Mechanical Engineering from the University of Hawaii. She has her professional engineering license in Civil Engineering. She has worked in the Department of Health's Wastewater Branch for 25 years, where she is currently the Branch Chief. The Wastewater Branch is responsible for regulating onsite wastewater systems (including cesspools) and water reuse in the State of Hawaii.

Abstract

There is a need to perform outreach for cesspool upgrades and to educate and promote Water Reuse in the State of Hawaii. The Department of Health, Wastewater Branch will facilitate a discussion to identify the resources that would be needed to perform the long-range education and outreach planning for Cesspool Upgrade and Water Reuse.

Michael Mezzacapo

UH WRRC/Sea Grant

Biography

Michael Mezzacapo is an Outreach Specialist with the University of Hawai'i at Mānoa Water Resources Research Center (WRRC) and Hawai'i Sea Grant College Program. He collaborates with statewide and regional governments, water resource managers, NGOs, community groups to provide decision-makers with up to date information and tools. His job includes developing programs to provide education and collaborative outreach strategies to address water resource challenges in Hawai'i and across the Pacific.

Previously, Michael was the 2017-2018 Michigan Sea Grant Fellow at the International Joint Commission in Windsor, Ontario (Canada), where he assisted with public health research, science communications, and contributed to technical reports addressing transboundary water quality between the United States and Canada.

Michael earned his bachelor's degree in Allied Health Science from Widener University in Pennsylvania and has a master's degree in Environmental Studies from Green Mountain College in Vermont. He joined the University of Hawai'i in 2019.

Abstract

This presentation will highlight the outreach and research capabilities of the University of Hawai'i Water Resource Research Center (WRRC). WRRC recently added a dedicated outreach specialist to its staff and seeks to introduce its model for improved outreach and education between community NGO's, government agencies and academic disciplines in order to help solve pressing water resource issues across the Pacific.

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CONFERENCE EVALUATION FORM

1. How much experience do you have working in water industry program areas?

___ 0-1 years ___ 2-5 years ___ 5-10 years ___ 10-20 years ___ 20+ years

2. Which water industry area(s) do you work in? (Check all that are applicable)

___ Drinking Water ___ Wastewater ___ Water Quality
___ Water Resources ___ Water Protection ___ Watershed
___ Other (specify): _____ Management

3. How would you rate the overall conference?

___ Excellent ___ Good ___ Adequate ___ Poor

4. What did you like about the conference? _____

5. What did you dislike about the conference? _____

6. How do you rate the presentation of technical information (was it presented in an understandable and interesting manner)?

___ Excellent ___ Good ___ Adequate ___ Poor

(PLEASE ANSWER QUESTIONS ON BACK)

7. Did this conference meet your expectation?

☐ Yes

☐ No

Comments: _____

8. Have you attended any of the previous Joint Government Water Conference(s)?

☐ YES

☐ NO

If YES, would you rate this conference as: BETTER WORST

9. In the future, would you attend this type of conference again? ☐ YES ☐ NO

Comments: _____

10. Are there aspects of the conference that you believe should have greater (or less) emphasis?

11. Do you have any suggestions on how the training could be improved?

12. Do you have any suggestions for topics for future conference(s)?

Thank you for attending the 2019 Joint Water Conference and for completing this evaluation form. Your comments will help us to better plan future conferences.

OPTIONAL:

Name: _____