



**STATE OF HAWAII  
DEPARTMENT OF HEALTH  
KA 'OIHANA OLAKINO  
SAFE DRINKING WATER BRANCH  
ULUAKUPU BUILDING 4  
2385 WAIMANO HOME ROAD, SUITE 110  
PEARL CITY, HI 96782-1400**

In reply, please refer to:  
File: SDWB

Minutes 8-27-25

**BOARD OF CERTIFICATION OF PUBLIC WATER SYSTEM OPERATORS  
MINUTES OF THE MEETING**

DATE: August 27, 2025

TIME: 10:00 a.m.

MEMBERS PRESENT: James Landgraf (2<sup>nd</sup> term expires 6/30/29)  
Ian Ichimura (1<sup>st</sup> term expires 6/30/28)  
Zhaohui Wang (1st term expires 6/30/28)

A. Call to Order

- The meeting began at 10:00 a.m.

B. Old Business

- The Board unanimously approved the May 21, 2025 meeting minutes.

C. New Business

- DSO Certification Applications

The Board unanimously approved the following applications for certification:

	Name	Grade Requested	Grade Approved
1	Anuhealii, Sedrika	1	1
2	Buan, Khyme	1	1
3	Dela Cruz, Keely	1	1
4	Dye, Matthew	1	1
5	Juario, Katie	1	1
6	Kamakawiwoole, Travis	1	1

7	Lindholm, Gavin	1	1
8	Morales Collazo, Edgar	1	1
9	Takenaka, Aulii	1	1
10	Uyehara, Gabrielle	1	1
11	Fukamizu, Alan	2	2
12	Kawamura, Justin	3	3
13	Malicki, Braiden	3	3
14	Copeland, Michael	4	Deny
15	Hannon, Patrick	4	Deny

For detailed information, please refer to Attachment 1.

- WTPO Certification Applications

The Board unanimously approved the following applications for certification:

	<b>Name</b>	<b>Grade Requested</b>	<b>Grade Approved</b>
1	Gonsalves, Bronson	1	1
2	Keanini, Noah	1	1
3	Kuhaulua, Benjamin	1	1
4	Peahi, Javen	1	1

For detailed information, please refer to Attachment 2.

- CEU Requests

The Board unanimously approved the following CEU requests:

	<b>Course</b>	<b>Date</b>	<b>Sponsor</b>	<b>CEUs Approved</b>
1	Significant Figures and Rules of Rounding off	5/6/25	Eurofins	0.05
2	Hazardous Waste Management and Emergency Preparedness	5/6/25	Eurofins	0.1
3	PFAS Sample Collection, State of the Science	5/6/25	Eurofins	0.1
4	What Do Laboratory Auditors Look For	5/13/25	IDEXX Water	0.1

			Academy	
5	Combating the Largest US Legionnaires Disease Outbreak in 2024	6/3/25	IDEXX Water Academy	0.1
6	Improving Cyber Resilience Against the Rising Tide of Cyber Threats	6/5/25	AWWA	0.1
7	From Drinking Water to Wastewater – Solutions for Rural Water Communities, Including Contaminant Removal	6/25/25	NRWA	0.1
8	Incorporating Supply Chain Resilience in RRAs and ERPs	7/23/25	US EPA	0.1
9	Microgrids for Water Utilities	8/7/25	AWWA	0.1
10	Operator Ethics	9/9/25	NRWA	0.1
11	Updated Drinking Water Return to Compliance (RTC) Table Overview	9/10/25	NRWA	0.1
12	Choosing Tank Linings that Save Budgets	9/18/25	AWWA	0.1
13	Power Generation Fundamentals for Water Utilities	9/23/25	NRWA	0.1
14	Safe Drinking Water Act Section 1433 Best Practices	9/29/25	US EPA	0.1
15	2025 HWWA Conference	10/15-16/25	HWWA	18 sessions @ 0.05 3 sessions @ 0.075 1 session @ 0.1
16	Flow Monitoring Without a Hitch	10/23/25	AWWA	0.1
17	2025 HRWA Training & Technical Conference	11/18-20/25	HRWA	23 sessions @ 0.075 3 sessions at 0.15
18	Engineered for Endurance: Building Resilience	11/20/25	AWWA	0.1
19	Hawaii's Sanitary Survey Program	Various	Mike Miyahira	0.2

20	General Overview of Centrifugal Pumps in Water and Wastewater Applications	Various	HRWA	0.1
21	CompTIA Security+ Certification	Various	New Horizons	4.0
22	How to Solve a Word Problem	Various	CEU Plan	0.2
23	An Introduction to Pumps & Systems	Various	Hydraulic Institute	0.15
24	HAZWOPER for Uncontrolled Hazardous Waste Site Workers	Various	Naval Civil Engineer Corps Officers School	4.0

For detailed information, please refer to Attachment 3.

- DSO Certification Exam Results

The Board was notified of the following results of the DSO certification exam. Twelve out of 29 operators passed for an overall passing rate of 41%.

	Examinee	Grade	Certification
1	Ano, Skyler	1	D1-584
2	Bueno, Wayne	1	None
3	Dochin, Travis	1	None
4	Fauatea, Ryan	1	None
5	Flores, Javin-Ethan	1	None
6	Fung, Kyton	1	None
7	Kuhaulua, Benjamin	1	D1-585
8	Lam, Lloyd	1	D1-586
9	Mendes, Jesse	1	None
10	Mielk-Suizu, Taylor	1	D1-587
11	Mier, Maile	1	None
12	Peahi, Javen	1	None
13	Puaa-Freitas, Hanoa	1	None
14	Smoot, Ryan	1	D1-588
15	Tehiva, Lawaia	1	None
16	Wallace, Joshua	1	D1-589

17	Beard, Jeffrey	2	D2-344
18	Blankenfeld-Kaheiki, George	2	None
19	Bruce, Aaron	2	D2-345
20	Fuchigami, Jacob	2	D2-346
21	Kaheiki, George	2	None
22	Medeiros, Krieg	2	None
23	Tyau, Brian	2	D2-347
24	Manner, Jaymen	3	None
25	Metcalf, Christopher	3	None
26	Belanio, Rory	4	None
27	Hendershot, Kalei	4	D4-315
28	Parker, Wilder	4	D4-316
29	Warren, Joshua	4	None

DSO Exam Results			
Grade	Passed	Examinees	Passing Rate
DSO 1	6	16	38%
DSO 2	4	7	57%
DSO 3	0	2	0%
DSO 4	2	4	50%
<b>Total</b>	<b>12</b>	<b>29</b>	<b>41%</b>

- WTPO Certification Exam Results

The Board was notified of the following results of the WTPO certification exam. Eight out of 19 operators passed for an overall passing rate of 42%.

	Examinee	Grade	Certification
1	Cardoza Vida, Iokepa	1	None
2	Hill, Robert	1	T1-288
3	Humphrey, Kevin	1	T1-289
4	Inis, Lino	1	T1-290
5	Ito, Merick	1	T1-291

6	Johnston, Kenneth	1	None
7	Montayre, Bryson John	1	T1-292
8	Moriguchi, Eric	1	T1-293
9	Nishida, Justin	1	T1-294
10	Suarez-Birano, Leslyn	1	None
11	Kaina, Anthony	2	None
12	Kauhane, Dean	2	None
13	Matsu, Lindo	2	None
14	Oducado, Justin	2	None
15	Wong, Lucan	2	None
16	Blackwelder, Donald	4	None
17	Copeland, Michael	4	T4-146
18	Kranchick, Ronald	4	None
19	Mukai, Miki	4	None

WTPO Exam Results			
Grade	Passed	Examinees	Passing Rate
WTPO 1	7	10	70%
WTPO 2	0	5	0%
WTPO 3	-	-	-
WTPO 4	1	4	25%
<b>Total</b>	<b>8</b>	<b>19</b>	<b>42%</b>

D. Announcements

- The next board meeting will be scheduled on November 24, 2025.

E. Adjournment

- The meeting was adjourned at 11:00 a.m.

Respectfully Submitted,



Jodi Yamami  
FOR Board of Certification of  
Public Water System Operators

JY:sw

- c: Anna Yen, U.S. EPA Region IX [via [yen.anna@epa.gov](mailto:yen.anna@epa.gov) only]  
James Landgraf, Board Member [via [jlandgraf@hawaiiantel.net](mailto:jlandgraf@hawaiiantel.net) only]  
Ian Ichimura, Board Member [via [ian.ichimura@puralwater.com](mailto:ian.ichimura@puralwater.com) only]  
Zhaohui Wang, Board Member [via [zhaohui.wang@doh.hawaii.gov](mailto:zhaohui.wang@doh.hawaii.gov) only]  
William Whaley, Board Member [via [pukaheadplumbing@yahoo.com](mailto:pukaheadplumbing@yahoo.com) only]

ATTACHMENT 1  
DSO DECISIONS  
8-27-2025

- |   |  |  |
|---|--|--|
| 1 <b>Anuhealii, Sedrika M.    Grade 1</b><br>370 Palehua Solar Observatory<br>Supervisor Thomas Anuhealii<br>Apprentice DSO<br>3 yrs/10 mos |  | <b>Approve Grade 1</b><br>Maintain drinking water system for residential system of 300 persons, read, track and report meter readings, troubleshoot/identify losses, leaks, check system for bacteria and others by submitting monthly samples to DOH, maintain and monitor chlorine levels by using colorimeter tester  |
| 2 <b>Buan, Khyme    Grade 1</b><br>156 Hawaiian Shores<br>Supervisor Tim Manning<br>Maintenance Worker<br>3 yrs/10 mos                      |  | <b>Approve Grade 1</b><br>Assist in installing water meters, radio transmitter, and fire hydrants, read water meters, clear and maintain water lines, laterals, and valves, assist in collecting water samples, routinely flush and clean water amins, fire hydrants, and monitor water yard   |
| 3 <b>Dela Cruz, Keely K.    Grade 1</b><br>230 Hoolehua<br>Supervisor Elroy Mollena<br>Laborer<br>1 yr/3 mos                                |  | <b>Approve Grade 1</b><br>Meter reading, routine fire hydrant servicing, well site upkeep, diagnose and repair pipes and lateral lines, ensuring reliable water system performance and safety, maintain equipment and infrastructure to meet operational standards   |
| 4 <b>Dye, Matthew R.    Grade 1</b><br>153 Kulani Correctional Facility<br>Supervisor Ronson Kamalii<br>Farm Manager<br>1 yr/5mos           |  | <b>Approve Grade 1</b><br>Collect water samples from various distribution points, sample and test water for chlorine residuals and pH levels, inspect valves, meters & pumps, monthly BacT tests, document and log readings from samples and daily activities  |
| 5 <b>Juario, Katie K.    Grade 1</b><br>248 Kawela Plantation<br>Supervisor Mervin Dudoit<br>Water Administrator<br>2 yrs                   |  | <b>Approve Grade 1</b><br>Daily rounds including checking chlorine residual at the injection site and at the end of the water system, check well sites including checking flow meter, hour meter, amps, volts and for leaks, check psi at tank sites making sure they are the same as the Scada readout, check booster station to make sure amps, volts, flowmeters and hour meters are working properly, check chlorine room and pump, lines and meter is all clean and in proper working order, make sure daily data collected is input into spreadsheet |
| 6 <b>Kamakawiwoole, Travis    Grade 1</b><br>162 Waikii Ranch<br>Supervisor Alvin Kotaki<br>Water and Maintenance Tech<br>1 yr/8 mos        |  | <b>Approve Grade 1</b><br>Daily duties include water system oversight, operations and maintenance, service water system equipment including performing preventative maintenance, read and report water meters, collect water samples, perform water testing and make adjustments to the chlorine as necessary, perform various repairs to water system to keep it operational.   |
| 7 <b>Lindholm, Gavin K.    Grade 1</b><br>428 Princeville<br>Supervisor Brad Suizu<br>Water Operator<br>2 yrs/8 mos                         |  | <b>Approve Grade 1</b><br>Check chlorine residual, record runtime hours, water meter readings, replace water meters, handle and transport chlorine, troubleshoot chemical feed pump, assist in main and service line repairs, fire hydrant maintenance, water service inspection, replace ARVs   |



ATTACHMENT 1  
DSO DECISIONS  
8-27-2025

- |    |  |   |
|----|--|---|
| 8  | <b>Morales Collazo, Edgar Grade 1</b><br>212 Wailuku<br>Supervisor Kevin Arakaki<br>Water Plant Maintenance Helper<br>1 yr/9 mos               | <b>Approve Grade 1</b><br><br>Install, test, overhaul, repair and maintain water systems equipment such as deep well turbine pumps, motors, valves, chlorinators, flow sensors and meters, calibrate motors, air blowers, compressors, valves, pump shaft sleeves and seals, fitting, and disinfection chlorination equipment <ul style="list-style-type: none"><li>• WTPO 1 certified</li></ul>  |
| 9  | <b>Takenaka, Aulii O. Grade 1</b><br>428 Princeville<br>Supervisor Brad Suizu<br>Water Operator<br>1 yr/1 mos                                  | <b>Approve Grade 1</b><br><br>Daily checks at well sites and tank sites, read meters, replace meters, chlorine readings, repair water lines, record runtime hours on pumps, inspect and maintain fire hydrants  |
| 10 | <b>Uyehara, Gabrielle E. Grade 1</b><br>370 Palehua Solar Observatory<br>Supervisor Thomas Anuhealii<br>Apprentice DSO<br>1 yr in January 2026 | <b>Approve Grade 1</b><br><br>Provide maintenance and repair for water distribution systems including wells, pumps, water catchments and storage systems, distribution piping, valves, fire hydrants and flow control devices, make weekly operations and maintenance inspections of assigned areas checking chemical feed systems, water collection and storage sites <ul style="list-style-type: none"><li>• Approve Grade 1 for January 2026 exam if still in current position</li></ul> |
| 11 | <b>Fukamizu, Alan K. Grade 2</b><br>114 Punaluu<br>Supervisor Kelly Rapoza<br>Operator<br>3 yrs/6 mos  | <b>Approve Grade 2</b><br><br>Chlorine residual monitoring, flush lines, maintain pumps and chlorine injection system, repair and troubleshoot valves and lines in distribution system <ul style="list-style-type: none"><li>• DSO 1 and WTPO 1 certified</li></ul>   |
| 12 | <b>Kawamura, Justin M. Grade 3</b><br>165 Kukio<br>Supervisor David Kadowaki<br>Operator<br>7 yrs  | <b>Approve Grade 3</b><br><br>Operate and maintain a distribution system that service 250+ connections, duties include analyze Cl2, phosphate residuals, collect lead and copper samples, repair and replace water meters, perform maintenance and ensure proper functionality of fire hydrants <ul style="list-style-type: none"><li>• DSO 2 and WTPO 2 certified</li></ul>  |
| 13 | <b>Malicki, Braiden B.M. Grade 3</b><br>131 North Kona<br>Supervisor Alvin Inouye<br>Lead Pipefitter<br>7 yrs                                  | <b>Approve Grade 3</b><br><br>Responsible for operation and repair of water system, repair of water main components and distribution system apparatus, system check and monitoring of purification equipment under the supervision of DSO 3, excavation and operation of backhoe, excavator, dump truck, assist electrical as needed, familiar with pressure reducing valves  |

ATTACHMENT 1  
DSO DECISIONS  
8-27-2025

- 14 **Copeland, Michael J. Grade 4** **Deny Grade 4**  
214 Lahaina  
Supervisor Christopher Retuta  
Water Treatment Plant Operator  
4 yrs/3 mos
- Responsible for managing and maintaining the network of pipes and other infrastructure that delivers treated water from the water treatment plant to the MGT (tank) and back to the plant, excavators are used to expose, inspect and replace distribution lines, experience with maintaining and operating distribution pumps, use diesel pumps to transfer water to and from various tanks, monitor tank levels, water pressure, and disinfectant residual in the distribution system, redistribute water lines, install new valves, shocking the tanks, and monitoring tanks, repair and replace air relief valves, gate valves, globe valves, troubleshoot and implement solutions to maintain reliable water
- WTPO 4 certified
  - The Board decided that the Lahainaluna Tank and the line leading up to the Lahainaluna Tank are not considered a significant part of the distribution system therefore applicant has no qualifying distribution system experience in PWS 214.
- 15 **Hannon, Patrick K.D. Grade 4** **Deny Grade 4**  
214 Lahaina  
Supervisor Jason Koskey  
Water Treatment Plant Operator  
7 yrs/3 mos
- Monitor Cl2 for adjustments, maintain distribution tank levels and adjust Cl2 levels for end users, operate distribution tank valves based on level heights
- DSO 1 & WTPO 4 certified
  - The Board decided that the Lahainaluna Tank and the line leading up to the Lahainaluna Tank are not considered a significant part of the distribution system therefore applicant has no qualifying distribution system experience in PWS 214.
- 209 Olowalu  
Supervisor Dave Minami  
Water System Operator  
1 yr/4mos
- Operate water systems by monitoring and manipulating Cl2 content based on well pump output, perform daily testing and data entry for conductivity from wells, output from wells, usage, and visual reports, operate chlorination system

ATTACHMENT 2  
WTPO DECISIONS  
8-27-2025

- |  |                        |  |
|--|------------------------|--|
| 1 <b>Gonsalves, Bronson R.    Grade 1</b><br>212 Wailuku<br>Chlorination<br>Supervisor Ryan Nagoshi<br>Electronic Technician<br>21 yrs                                       | <b>Approve Grade 1</b> | Operate, troubleshoot and calibrate integrated on-site sodium hypochlorite generators, calcium hypochlorite chlorinators and dosing pumps, make adjustments to solution strength and dose rates under the direction of supervising system operator <ul style="list-style-type: none"><li>• DSO 4 certified</li></ul> |
| 2 <b>Keanini, Noah K.    Grade 1</b><br>248 Kawela Plantation<br>Chlorination<br>Supervisor Mervin Dudoit<br>Water Operator<br>3 yrs/5 mos                                   | <b>Approve Grade 1</b> | Perform daily system checks including monitoring tank levels and managing system chlorination, adjust as needed <ul style="list-style-type: none"><li>• DSO 2 certified</li></ul>  |
| 3 <b>Kuhaulua, Benjamin W.O.    Grade 1</b><br>400 Lihue-Kapaa<br>Chlorination, Corrosion Control<br>Supervisor Kyle Napoleon<br>Assistant Water Plant Operator<br>1 yr/1 mo | <b>Approve Grade 1</b> | Control of liquid sodium hypochlorite systems for disinfection, maintain pumps and control valves, mix soda ash, check pumps <ul style="list-style-type: none"><li>• DSO 1 certified</li></ul>   |
| 4 <b>Peahi, Javen K.    Grade 1</b><br>314 St. Stephens<br>Chlorination<br>Supervisor Wilder Parker<br>Operator<br>1 yr/6 mos  | <b>Approve Grade 1</b> | Work with chlorination equipment including Pulsafeed pumps, injector quills, flow meters, gauges and taking chlorine residuals, maintain and repair pumps, take samples for lab analysis such as bacti   |

ATTACHMENT 3  
CEU DECISIONS  
8-27-2025

**Hawaii Courses**

**1 Significant Figures and Rules of Rounding Off**

5/6/25

Eurofins

0.5 Contact Hour

**0.05 CEUs**

Topics:

- General Rules
- Significant Figures
- Rules of Rounding Off Numbers
- Rounding Off After Mathematical Functions

**2 Hazardous Waste Management and Emergency Preparedness**

5/6/25

Eurofins

1.0 Contact Hour

**0.1 CEUs**

Topics:

- Hazardous Waste Management and Emergency Preparedness
- Comply with Hazwaste Regulations
- Minimize Waste

**3 PFAS Sample Collection, State of the Science**

5/6/25

Eurofins

1.0 Contact Hour

**0.1 CEUs**

Topics:

- PFAS Sampling Overview
- Sampling Guidance
- Research Studies
- Quality Control

**4 What Do Laboratory Auditors Look For**

5/13/25

IDEXX Water Academy

1.0 Contact Hour

**0.1 CEUs**

Topics:

- Preparation
  - Scheduling
  - Staff, Records
- Assessment
  - Tour
  - Quality Systems
  - Staff, Records
- Follow Up
  - Report
  - Corrective Actions
  - Feedback

**5 Combating the Largest US Legionnaires Disease Outbreak in 2024**

6/3/25

IDEXX Water Academy

1.0 Contact Hour

**0.1 CEUs**

Topics:

- Drinking Water Priorities
- Legionnaires Disease
- Common Sources of Infection
- Customer Education and BMPs
- Case Study

ATTACHMENT 3  
CEU DECISIONS  
8-27-2025

- 6 **Improving Cyber Resilience Against the Rising Tide of Cyber Threats**  
6/5/25 Topics:  
AWWA webinar • Strategies for Preparation,  
1.0 Contact Hour • Responding to Threats  
**0.1 CEUs** • Recovering from Cyberattacks
- 7 **From Drinking Water to Wastewater – Solutions for Rural Water Communities, Including Contaminant Removal**  
6/25/25 Topics:  
NRWA webinar • Solutions that address taste and odor  
1.0 Contact Hour • Solutions that address contaminant removal including PFAS  
**0.1 CEUs** • Solutions for groundwater remediation  
• Solutions for emergencies and mobile services
- 8 **Incorporating Supply Chain Resilience in RRAs & ERPs**  
7/23/25 Topics:  
US EPA webinar • SDWA 1433 Overview  
1.0 Contact Hour • Reviewing and Revising RRAs and ERPs  
**0.1 CEUs** • Exploring EPA/s Chemical Supply Chain Resilience Tools and Resources  
• Incorporating Supply Chain Resilience in your RRA and ERP
- 9 **Microgrids for Water Utilities**  
8/7/25 Topics:  
AWWA webinar • Evolving Threats  
1.0 Contact Hour • Resilient Microgrid Solutions  
**0.1 CEUs** • Case Study  
• Sustainability & Reliability
- 10 **Operator Ethics: The Foundation of Proper Decision Making**  
9/9/25 This class explores how ethics and training shape decisions, how operators  
NRWA webinar respond to unethical leadership demands, and teaches the skills needed to be a  
1.0 Contact Hour decision-maker and leader in the water and wastewater community.  
**0.1 CEUs**
- 11 **Updated Drinking Water Return to Compliance (RTC) Table Overview**  
9/10/25 This webinar will introduce the updated RTC table which assists primacy  
NRWA webinar agencies with correctly identifying violations and corrective actions, including an  
1.0 Contact Hour overview of what has been revised, added, and/or removed since the previous  
**0.1 CEUs** release, as wells as an overview of additional improvements to come.

ATTACHMENT 3  
CEU DECISIONS  
8-27-2025

12 **Choosing Tank Linings that Save Budgets**

9/18/25

AWWA webinar

1.0 Contact Hour

**0.1 CEUs**

Topics:

- Evaluate case studies demonstrating the long-term performance of water storage tank linings over multiple decades
- Explain how thicker, 100% solids tank lining systems create dense, corrosion resistant films
- Explain the benefits of 100% solids linings in extending tank service life

13 **Built Tough, Field Ready changed to Engineered for Endurance: Building Resilience**

9/23/25 changed to

11/20/25

AWWA webinar

1.0 Contact Hour

**0.1 CEUs**

Topics:

- Identify key engineering decisions that impact the long-term durability of drinking water infrastructure
- Evaluate material options and their performance in different environmental conditions, including corrosive and high-risk areas
- Analyze case studies where water systems have withstood severe challenges such as seismic events and wildfires

14 **Safe Drinking Water Act Section 1433 Best Practices**

9/29/25

US EPA webinar

1.0 Contact Hour

**0.1 CEUs**

Topics:

- Understand SDWA 1433 requirements for RRAs and ERPs
- Know how to certify completion or review and revision of your CWS's RRA and ERP to EPA prior to the upcoming deadlines in 2025-2026
- Learn what CWSs can expect during a SDWA 1433 inspection
- Learn answers to common questions about SDWA 1433 inspections and enforcement
- Learn best practices for developing and maintaining a SDWA 1433 compliant RRA and ERP based on EPA inspector observations from the field

15 **Power Generation Fundamentals for Water Utilities**

10/23/25

NRWA webinar

1.0 Contact Hour

**0.1 CEUs**

Topics:

- Explain the fundamentals of sizing emergency power systems specific to water
- Identify the different application needs, applicable codes and standards, and installation requirements for generator applications
- Specify key considerations for low and medium-voltage paralleling switchgear designs

ATTACHMENT 3  
CEU DECISIONS  
8-27-2025

- 16 **2025 HWWA Conference**  
10/15-16/25  
HWWA  
**18 sessions at 0.5 Contact Hours for 0.05 CEUs each**  
**3 sessions at 0.75 Contact Hours at 0.075 CEUs each**  
**1 session at 1.0 Contact Hours for 0.1 CEUs**
- 0.5 contact hour sessions:
- Who Picked This Site Anyway? Kalaehoa Seawater Desalination Challenges and Progress
  - Regulatory and Enhanced Water Quality Pilot, Kalaehoa Seawater Desalination
  - Kalaehoa Aquifer Test Plan Approach and Preliminary Findings for the Determination of Hydraulic Separation of Layered Geologic Formations
  - BMPs Suck – Handling Runoff During Main Break Repairs
  - Pipe Dreams: Optimizing Pipeline Rehab and Replacement
  - Calibration of Source Meters to Identify and Reduce Water Loss
  - State of Hawaii Audit Program
  - Backflow Prevention Programs
  - Leveraging AML, AI and Operational Dashboards to Reduce Field Work and Operating Expenses in Water Utilities
  - Understanding System Pressure and Leak Detection for Non-Revenue Water Loss Reduction
  - Enhancing Asset Management Through Digital Condition Assessment and Data Visualization
  - Addressing Contamination Incidents in RRAs and ERPs
  - PFAS Challenges for a Small Public Water System
  - GAC vs IX for PFAS Treatment
  - Granular Activated Carbon Reactivation Facility
  - Haiku Tunnel Bulkhead Study
  - East Honolulu Watershed Management Plant
  - From Supervisors to Leaders: Empowering the Frontline for Tomorrow's Challenges
- 0.75 contact hour sessions:
- BWS Emerging Contaminants Management Program
  - Healthy Waters After Wildfires – Evaluating Post-Fire Water Quality Using Advanced Analytical Methods
  - BWS Updates Islandwide Water Master Plan
- 1.0 contact hour sessions:
- Cybersecurity & Infrastructure Security
- 17 **Flow Monitoring Without a Hitch**  
10/23/25  
AWWA webinar  
1.0 Contact Hour  
**0.1 CEUs**
- Topics:
- Understand how accurate flow data enables early leak detection and real water loss reduction
  - Evaluate how Clarksville's flow monitoring strategy supports regulatory compliance, improves billing accuracy, and enhances return on investment
  - Apply best practices for selecting, installing, and optimizing flowmeters in pressurized systems

ATTACHMENT 3  
CEU DECISIONS  
8-27-2025

18 **2025 HRWA Training & Technical Conference**

11/18-20/25

HRWA

**23 sessions at 0.75 Contact  
Hours for 0.075 CEUs each  
3 sessions at 1.5 Contact  
Hours at 0.15 CEUs each**

0.75 contact hour sessions:

- Are there Problems with Plastics? Emerging Contaminants
- Benefits & Advantages: Polymer Concrete vs Concrete for Underground Enclosures
- Best Practices: Distribution Tank Strategies for Water Quality
- Contaminators: Invasive Species of Hawaii and the Contamination Threats They Pose
- Corrosion Control for Ductile Iron Pipe
- Creating Resiliency in Your Utility
- Commission on Water Resource Management: Annual Water Audits Program & Ver.6 Briefing
- Cybersecurity Resilience: partnering for Protection for Rural Water Systems
- DWSRF Updates – Loans for Capital Improvement Project
- Ethics in Water and Wastewater Operations
- Fundamentals of Chemical Metering Pump Selection
- How the Water Industry Could be Revolutionized
- Improving the Quality of Water Monitoring Data
- On-Site Sodium Hypochlorite Generation: A Safe and Cost-Effective Solution for Disinfection
- Optimizing Water Efficiency Through Location Analytics: A Roadmap to Operational Excellence
- Pipeline Resiliency
- Planning for Compliance: PFAS Regulations and CCR Rule Updates
- Seismic Design of Ductile Iron Pipe
- Time Management Skills for Employees
- Understanding System Pressure and Acoustic Leak Detection on Non-Revenue Water Loss
- Using Pressure Data to Determine Event Localization
- Water Meters Can't Find Water Main Line Leaks, Can They?
- When Field Enclosures No Longer Meet ASSE 1060

1.5 contact hour sessions:

- Beyond the Wrench: Proactive Planning and Team Sustainability in Rural Water Systems
- Math Lab for Water & Wastewater Operators
- Beyond the Pole: Modern GPS/GNSS Tools for Hawaii's Rural Water Pros



ATTACHMENT 3  
CEU DECISIONS  
8-27-2025

**Repeating Courses**

**19 Hawaii's Sanitary Survey Program**

Mike Miyahira

2.0 Contact Hours

**0.2 CEUs**

Topics:

- Sanitary Survey Process
- Significant Deficiency vs Recommendation
- Performing the Sanitary Survey
  - Sources
  - Treatment
  - Distribution System
  - Cross Connections
  - Storage Tanks
  - Pumps
  - General
  - Monitoring
  - System Management
  - Operator Certification

**20 General Overview of Centrifugal Pumps in Water and Wastewater Applications**

HRWA

1.0 Contact Hour

**0.1 CEUs**

Topics:

- Pump Fundamentals
- Interpreting Pump Curves and Performance Metrics
- Guidelines for Pump Selection and Sizing
- Installation Best Practices
- Common Troubleshooting Challenges

**Correspondence/Online Courses**

**21 CompTIA Security+ Certification (SY0-701)**

New Horizons

40.0 Contact Hours

**4.0 CEUs**

Topics:

- Security Roles, Controls, and Treat Intelligence
- Security Assessments & Threat Mitigation
- Implementing Authentication & Identity Management
- Securing Network Architecture & Infrastructure
- Endpoint, Mobile and Cloud Security
- Data Protection & Privacy
- Incident Response & Digital Forensics
- Risk Management & Cyber Resilience
- Physical Security & Access Controls

ATTACHMENT 3  
CEU DECISIONS  
8-27-2025

22 **How to Solve a Word Problem**

CEU Plan

2.0 Contact Hours

**0.2 CEUs**

Topics:

- LICRED Technique
- List, Identify, and Convert
- Select, Revise, Enter, and Do It
- Problem Examples
- Basic Conversions
- Formula Revisions

23 **An Introduction to Pumps & Systems**

Hydraulic Institute

1.5 Contact Hours

**0.15 CEUs**

Topics:

- Pumps
- Pump Drivers
- Fluid Properties
- System Hydraulics
- Basic Operational Theory
- Pump Selection & Data

**Mainland Courses**

24 **HAZWOPER for Uncontrolled Hazardous Waste Site Workers**

Naval Civil Engineer Corps  
Officers School

40.0 Contact Hours

**4.0 CEUs**

This course identifies the requirements for site safety and health plans for investigative and remediation work. This training addresses safety, health, and other hazards potentially encountered at environmental restoration sites and trains personnel to use work practices and personal protective equipment.