



STATE OF HAWAII
DEPARTMENT OF HEALTH
KA 'OIHANA OLAKINO
P. O. BOX 3378
HONOLULU, HI 96801-3378

In reply, please refer to:
File: SDWB
Minutes 2-26-25

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

DATE: February 26, 2025

TIME: 10:00 a.m.

MEMBERS PRESENT: Ian Ichimura (1st term expires 6/30/28)
Zhaohui Wang (1st term expires 6/30/28)
William Whaley (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 November 25, 2024 meeting minutes.

C. New Business

- The discussion with the Wastewater Board was postponed to the May meeting when all board members will be present.
- DSO Certification Applications

The Board unanimously approved the following applications for certification:

	Name	Grade Requested	Grade Approved
1	Barrozo, Joshua	1	1
2	Brink, Robert	1	1
3	Burdett, Brydon	1	1
4	Dizon, Kamuela	1	1
5	Ichimasa, Eric	1	1

6	McHugh, Michael	1	1
7	Mendes, Jesse	1	1
8	Pascua, Wilbert	1	1
9	Taiseni, Chester	1	1
10	Tehiva, Lawaia	1	1
11	Van Tatenhove, Ryan	1	1
12	Fu, Ryan	2	2
13	Medeiros, Krieg	2	2
14	Tolentino, Domie	2	2
15	Weber, Daniel	2	2
16	Takara, Samuel	3	3
17	Purdy, Kenneth	1 Reciprocity	1 Reciprocity

For detailed information, please refer to Attachment 1.

- WTPO Certification Applications

The Board unanimously approved the following applications for certification:

	Name	Grade Requested	Grade Approved
1	Cardoza Vida, Iokepa	1	1
2	Ching, Joshua	1	1
3	Inis, Lino	1	1
4	Koivisto, Joshua	1	1
5	Ihara-Takase, Colby	2	2
6	Kauhane, Dean	2	2
7	Kawamura, Justin	2	2

For detailed information, please refer to Attachment 2.

- CEU Requests

The Board unanimously approved the following CEU requests:

	Course	Date	Sponsor	CEUs Approved
1	Get Started Now: LSLR and LCRI Funding Blueprint	11/14/24	AWWA	0.15
2	Pipe Material Matters: Navigating the Latest	11/19/24	AWWA	0.1

3	We WARN Together	12/5/24	US EPA	0.1
4	Navigating PFAS Testing	12/10/24	AWWA	0.1
5	Pipeline Management: Is Your Data Ready for Action	1/23/25	AWWA	0.1
6	Preparing the Easy Way for Asset Management	1/23/25	NRWA	0.1
7	Lead Chemistry, Communication, and Local Engagement	1/28/25	US EPA	0.25
8	Dashboards that Deliver: Optimizing Benchmarking Visualization	1/29/25	AWWA	0.15
9	2025 Pacific Water Pre-Conference (Water Operators)	2/4/25	RCAC	Additional 0.4
10	Loss to Savings: Non-Revenue Water Successes	2/4/25	AWWA	0.1
11	2-Hour Gas Monitor Competence Course	2/4/25	Tinosi	0.2
12	AWIA Update: Lessons Learned for Your 2025 RRA and ERP Update	2/5/25	AWWA	0.15
13	Updating Your AWIA RRA and ERP	2/12/25	US EPA	0.2
14	Strategies and Techniques for Identifying Known Service Line Materials	2/19/25	AWWA	0.15
15	Emergency Response: Drinking Water Supply Planning and Treatment Technology Deployment	2/25/25	US EPA	0.1
16	Emergency Response Planning	5/7/25	RCAC	0.6
17	2025 Drinking Water Sampler Training	Various	SDWB	0.45
18	Water System Leak Repair	Various	RCAC	0.2
19	Understanding Financial Statements	Various	RCAC	0.2
20	Gas Chlorination & Hypochlorite Chlorination for Water Treatment	Various	RCAC	0.4
21	Small Water System Management Programs	Various	RCAC	0.3
22	MGT-343 Disaster	Various	TEEX	1.6

Management for Water and Wastewater Utilities				
23	Resilient Wedge Gate Valve Training Operation and Maintenance	Various	Clow Valve	0.1
24	Wet Barrel Fire Hydrant AWWA C503	Various	Clow Valve	0.1
25	Drinking Water Treatment Processes	Various	CEUPlan	0.3
26	Safety Course: Field Operations	Various	Water Otter	0.1
27	Distribution System Review (8 hours)	Various	American Water College	0.8
28	Water Treatment Review (4 hours)	Various	American Water College	0.4
29	2024 WaterPro Conference	9/11/24	NRWA	6 additional sessions at 0.1 ea
30	Asset Management Planning	10/8/24	RCAC	0.6
31	WaterWise Pro Maintenance & Construction Expo	11/5-6/24	WaterWise Pro Training	1.1

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 administered from the last board meeting to date. Exams were administered on Oahu, Maui, Kauai, and the Big Island. Nine out of 23 operators passed for an overall passing rate of 39%.

	Examinee	Grade	Certification
1	Adolpho, Jarrett	1	None
2	Alfonso, Keenan	1	D1-571
3	Castler, Katelyn	1	D1-568
4	Gaspar, Matthew	1	D1-572
5	Jacquez, Alejandra	1	D1-569
6	Kaiwi, Lester	1	D1-573

7	Kalama-Baker, Travis	1	D1-574
8	Kawaguchi, Christopher	1	D1-570
9	Lehano Boyce, Dick	1	None
10	Lungay, Micah	1	None
11	Tranilla, Riccardo	1	None
12	Blankenfeld-Kaheiki, George	2	None
13	Gottlieb, Bonnie	2	None
14	Kaheiki, George	2	None
15	Kealoha-Hall, Christopher	2	None
16	Lee, Shane	2	D2-341
17	Mendes, Zachary Scott	2	None
18	Tabangcura, Wilfred	2	None
19	Ellamar, Rory	3	None
20	Fujii, Kayne	3	D3-172
21	Metcalf, Chris	3	None
22	Belanio, Rory	4	None
23	Inouye, Alvin	4	None

DSO Exam Results			
Grade	Passed	Examinees	Passing Rate
DSO 1	7	11	64%
DSO 2	1	7	14%
DSO 3	1	3	33%
DSO 4	0	2	0%
Total	9	23	39%

- **WTPO Certification Exam Results**

The Board was notified of the following results of the WTPO certification exam administered from the last board meeting to date. Exams were administered on Oahu, Maui, Kauai, and the Big Island. Eight out of 19 operators passed for an overall passing rate of 42%.

	Examinee	Grade	Certification
1	Bueno, Wayne	1	None
2	Gago, S'mon	1	T1-282
3	Hill, Robert	1	None
4	Kaina, Anthony	1	None
5	Kauhola, Matthew	1	None
6	Morales Collazo, Edgar	1	None
7	Paulino, Alfred	1	T1-280
8	Pulotu, Kauliilii	1	T1-283
9	Reynolds, Teva	1	None
10	Viernes, Roque	1	T1-279
11	Yamada, Jayson	1	T1-281
12	Estrella, Frank	2	T2-255
13	Matsu, Lindo	2	None
14	Oducado, Justin	2	None
15	Pantastico, Jacob	2	T2-256
16	Weber, Daniel	2	T2-254
17	Martin, Francis	4	None
18	Onellion, Matthew	4	None
19	Paman, Daniel	4	None

WTPO Exam Results			
Grade	Passed	Examinees	Passing Rate
WTPO 1	5	11	45%
WTPO 2	3	5	60%
WTPO 3	-	-	-
WTPO 4	0	3	0%
Total	8	19	42%

D. Announcements

- The next board meeting will be scheduled on May 28, 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 only]
Stephanie Hung, U.S. EPA Region IX [via hung.stephanie@epa.gov only]
James Landgraf, Board Member [via jlandgraf@hawaiiintel.net only]
Ian Ichimura, Board Member [via ian.ichimura@puralwater.com only]
Zhaohui Wang, Board Member [via zhaohui.wang@doh.hawaii.gov only]
William Whaley, Board Member [via whaleywilliam@aol.com only]

ATTACHMENT 1
DSO DECISIONS
2-26-2025

- | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <p>1 Barrozo, Joshua K. Grade 1
204 Kapalua
Supervisor John Kadowaki
Utility Operator
1 yr/3 mos</p> | <p>Provide potable water to customers, treat potable water, maintain and monitor equipment, hardware and appurtenances, perform system rounds including testing residuals, checking sites for any abnormal changes, recording data and reporting issues, monitored meters including AMI, exercised and maintained valves and adjusted valves, flush lines and hydrants, locate services, operate and maintain NaOCl pumps and monitor residuals, use SCADA to monitor</p> | <p>Approve Grade 1</p> |
| <p>2 Brink, Robert J. Grade 1
345 Schofield Barracks
Supervisor Dan Ewen
Plumbing Work Leader
6 yrs/9 mos</p> | <p>Emergency repairs to water main systems and service lines, line taps for new service connection installation, maintenance and repair of service valves/ARVs/PRVs/fire hydrant, testing of backflow prevention and cross connection devices, flow testing of water mains, troubleshoot and repair discrepancies</p> | <p>Approve Grade 1</p> |
| <p>3 Burdett, Brydon P. Grade 1
314 St. Stephens Diocesan
Supervisor James Ano
DSO Operator Trainee
1 yr/3 mos</p> | <p>System equipment and operation checks, chlorine residual and injection rates, meter readings, routing sampling, manage annual requirements such as hydrant testing, backflow preventor testing, lead service line inventory, CRWM groundwater usage monitoring, CCR report, water audits, Labonline, participate in sanitary surveys</p> | <p>Approve Grade 1</p> |
| <p>4 Dizon, Kamuela N. Grade 1
212 Wailuku
Supervisor Helaman Aiwohi
Laborer/Flusher
3 yrs</p> | <p>Installed and flushed hydrants, checked residuals, take samples from hydrants with total and free solutions, fixed and installed cast iron or ductile for the main line, installed new services, worked with copper pipes and fittings, tamper machine, road saw, performed live taps, installed Drisco, couplings, runners, clamps, ball valves, gate valves</p> | <p>Approve Grade 1</p> |
| <p>5 Ichimasa, Eric H. Grade 1
400 Lihue-Kapaa
Supervisor Jeffrey Silva
Pipefitter Helper
2 yrs/5 mos</p> | <p>Perform repairs on distribution and transmission water lines ranging from 1" to 24", pipe materials include PVC, asbestos cement, concrete cylinder, ductile iron, cast iron and copper, install new water meter and make repairs to meters, ARVs, valves, and PRVs</p> | <p>Approve Grade 1</p> |
| <p>6 McHugh, Michael D. Grade 1
345 Schofield Barracks
Supervisor Dan Ewen
Plumber
1 yr/11 mos</p> | <p>Emergency repairs to water main systems and service lines, line taps for new service connection installation, maintenance and repair of service valves/ARVs/PRVs/fire hydrant, testing of backflow prevention and cross connection devices, flow testing of water mains, troubleshoot and repair discrepancies</p> | <p>Approve Grade 1</p> |

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|----|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 7 | Mendes, Jesse R. Grade 1
249 Kahakuloa
Supervisor Helaman Aiwohi
Apprentice
2 yrs/3 mos | Make sure chlorine is at right level, refill chlorine supply tank, repair main lines when breaks, repair service when leaks, change out meters, check ARVs and service, read meters | Approve Grade 1 |
| 8 | Pascua, Wilbert I. Grade 1
214 Lahaina
Supervisor Brian Silva
Pipefitter
7 yrs/5 mos | Repair mains and service lines, replace meters | Approve Grade 1 |
| 9 | Taiseni, Chester S.I. Grade 1
217 Hana
Supervisor Ben Nu
Pipefitter Helper
3 yrs/5 mos | Replace and install mains and service lines, cutting, threading, & heating pipe, exercise valves, replace and repair fire hydrants and standpipes | Approve Grade 1 |
| 10 | Tehiva, Lawaia K. Grade 1
217 Hana
Supervisor Ben Nu
Pipefitter
4 yrs/10 mos | Replace and install mains and service lines, cutting, threading, & heating pipe, exercise valves, replace and repair fire hydrants and standpipes | Approve Grade 1 |
| 11 | Van Tatenhove, Ryan D. Grade 1
117 Hawaiian Beaches
Supervisor Mark Prescott
Assistant Operator
1 yr/ 3 mos | Daily plant readings and chlorination level testing, tapping water mains for new water service installations, new water service installations, troubleshoot to locate the causes of customer complaints, loading/unloading chlorine deliveries, monthly emergency generator test runs, monthly service line flushing, update system maps and as-builts, meter reading | Approve Grade 1 |
| 12 | Fu, Ryan D. Grade 2
400 Lihue-Kapaa
Supervisor Chris Nakamura
Pipefitter
2 yrs/3 mos | Run crews to fix leaks including cutting the highway, patch road after fixing the leak <ul style="list-style-type: none">• DSO 1 certified | Approve Grade 2 |
| 13 | Medeiros, Krieg A. Grade 2
400 Lihue-Kapaa
Supervisor Jeffrey Silva
Pipefitter
4 yrs/5 mos | Repair and install main lines, service lines, hydrants, PRVs, and ARVs, check chlorine residual during flushes, flushing, monitor pressure <ul style="list-style-type: none">• DSO 1 certified | Approve Grade 2 |

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- 14 **Tolentino, Domie A. Grade 2** **Approve Grade 2**
400 Lihue-Kapaa
Supervisor Jeffrey Silva
Pipefitter
3 yrs/11 mos
Perform repairs on distribution and transmission water lines ranging from 1" to 24", piping materials include PVC, asbestos cement, concrete cylinder, ductile iron, cast iron, install new water meters and make repairs to existing water meters, ARV's valves, and PRVs
- DSO 1 certified
- 15 **Weber, Daniel J.N. Grade 2** **Approve Grade 2**
163 Kaupulehu
Supervisor Rory Belanio
Water Operator
2 yrs/6 mos
Collect and analyze field samples, maintain wells, PRV stations, tanks, hydrants, preventative maintenance on equipment, monthly meter reads, install new valves and meters, adjust and monitor flows via SCADA
- DSO 1 and WTPO 2 certified
- 16 **Takara, Samuel K. Grade 3** **Approve Grade 3**
345 Schofield Barracks
Supervisor Norberto Ramos
Civil Engineer
1 yr/7 mos
Oversee comprehensive water studies and implement pipeline repairs across all Army installations on Oahu, manage preventive maintenance of Army's water systems
- Qualifying Bachelor of Science in Civil Engineering from University of Hawaii with 20.5 adjusted semester units. 20 units required for qualification.
 - With qualifying bachelor's degree, candidate requires at least 1 year of experience for Grade 3 exam approval
- 17 **Purdy, Kenneth A. Grade 1 Reciprocity** **Approve Grade 1 Reciprocity**
City of Emmett
Supervisor Andrew Abercrombie
Class 1 Operator
16 yrs
Engages in daily operation and maintenance of the water system including but not limited to production, treatment and storage facilities and delivery of water, participates in repair and maintenance of water facilities including grounds, plants, wells, pump stations, storage tanks, valves, hydrants, pressure regulating stations, operate backhoe, mini ex, front end loader and dump trucks, excavates water main line, water services, pressure reducing valves and gate valves
- Idaho Drinking Water Distribution Class 1 #DWD1-17256 expires 3/19/25
 - Idaho Drinking Water Distribution Class 1 is the third lowest out of 6 levels in Idaho
 - Idaho Drinking Water Distribution Class 1 requires
 - high school diploma
 - passing of a Drinking Water Distribution Class 1 exam
 - 1600 hours of appropriate experience
 - Idaho writes their own exams
 - Recommend Grade 1 Reciprocity because the Idaho 1600 hours experience requirement equates to 200 full days which is more than the Hawaii Grade 1 minimum of 200 days for at least 1 hour per day.

ATTACHMENT 2
WTPO DECISIONS
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| <p>1 Cardoza Vida, Iokepa A. Grade 1
266 Baldwin Ranch Estates
Ion Exchange, GAC
Supervisor Jamie Cardoza
Water Technician
1 yr/4 mos</p> | <p>Data logging, pump station checks/inspections, GAC checks/inspections by reading pressure gauges and log down data, flush GAC ports weekly, ion exchange system checks/inspections of pH/conductivity/nitrate/chlorine residual/pressure gauges, ensure ion exchange parameters are met, chlorine residual readings, monitor alarm system</p> | <p>Approve Grade 1</p> |
| <p>2 Ching, Joshua K. Grade 1
135 Waikoloa
Chlorination
Supervisor Gary Shiroyama
Utility Operator
4 yrs</p> | <p>Take chlorine readings, adjust chlorination based on residuals, repair chlorine valves, exchange chlorine tanks</p> <ul style="list-style-type: none">• DSO 1 certified | <p>Approve Grade 1</p> |
| <p>3 Inis, Lino R. Grade 1
360 Joint Base Pearl Harbor
Hickam
Chlorination, Fluoridation
Supervisor Alfred Paulino
Industrial Equipment Mechanic
2 yrs</p> | <p>Daily rounds of chemical stations, mix chlorine and water, check for proper chlorine residual, inspect stations and booster pumps, and check fluoride pumps and chlorine pumps for proper operation, adjust chlorine and fluoride when needed, water sampling</p> <ul style="list-style-type: none">• DSO 1 certified | <p>Approve Grade 1</p> |
| <p>4 Koivisto, Joshua C. Grade 1
345 Schofield Barracks
Chlorination, Fluoridation
Supervisor Kaipo Fukumoto
Water Treatment Plant Operator
1 yr</p> | <p>Operate and maintain all equipment associated with the water plant, add regulated amounts of fluoride and chlorine to drinking water</p> | <p>Approve Grade 1</p> |
| <p>5 Ihara-Takase, Colby M.K. Grade 2
400 Lihue-Kapaa
Microfiltration
Supervisor Rory Belanio
WTP Operator
2 yrs/6 mos</p> | <p>Perform lab duties, samples, and recording plant info, record equipment run times and maintenance times, monitor microfiltration facility utilizing SCADA, perform repairs and maintenance on facility equipment, calibrate meters based upon daily lab readings</p> <ul style="list-style-type: none">• WTPO 1 and DSO 1 certified | <p>Approve Grade 2</p> |
| <p>6 Kauhane, Dean Grade 2
256 Maui Highlands
RO
Supervisor Christian Rosenthal/
Donald Pascual
Water Operator
4 yrs/4 mos</p> | <p>Visual inspection and maintenance of RO water treatment plant and equipment, maintain RO water treatment system according to DOH and manufacturer guidelines and specification, check calibration of monitoring equipment, chlorine residual testing, record and log RO treatment plant operating parameters, adjust chemical feeder as necessary, filling of chemical tank when needed, read and log of RO flowmeters and order and maintain required spare parts</p> <ul style="list-style-type: none">• WTPO 1 and DSO 2 certified | <p>Approve Grade 2</p> |

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7 **Kawamura, Justin M. Grade 2**

165 Kona Water Service
RO
Supervisor David Kadowaki
Operator
6 yrs/3 mos

Approve Grade 2

Operate and maintain the RO plant by changing pre-filters, daily rounds and reads, analyze chlorine and phosphates, add and adjust chemical feed pumps, chemical cleaning for RO membranes, maintain electrical motors, repair water leaks, cleaning chemical and water storage tanks

- WTPO 1 and DSO 2 certified

ATTACHMENT 3
CEU DECISIONS
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Hawaii Courses

- 1 **Get Started Now: LSLR and LCRI Funding Blueprint**
11/14/24 This webinar will provide an understanding of LCRI funding sources for lead service line replacement, why timing is crucial for securing these funds, and how to create a plan to apply and use them effectively.
AWWA webinar
1.5 Contact Hours
0.15 CEUs

- 2 **Pipe Material Matters: Navigating the Latest**
11/19/24 This webinar will address recent issues associated with specific pipe materials, evaluate the advantages and disadvantages of various options, and provide valuable insights on decision-making processes.
AWWA webinar
1.0 Contact Hours
0.1 CEUs

- 3 **We WARN Together**
12/5/24 Topics:
US EPA webinar
1.0 Contact Hours
0.1 CEUs
 - SDWA 1433 Overview
 - Reviewing and Revising Risk and Resilience Assessments (RRA) and Emergency Response Plans (ERP)
 - Benefits of Water and Wastewater Agency Response Networks (WARN)
 - Incorporating WARN in RRAs and ERPs

- 4 **Navigating PFAS Testing**
12/10/24 This webinar will address how public utilities can navigate the decision-making process in meeting new PFAS testing regulations.
AWWA webinar
1.0 Contact Hours
0.1 CEUs

- 5 **Pipeline Management: Is Your Data Ready for Action**
1/23/25 This webinar will describe how to work with incomplete or imperfect data to make informed pipeline management decisions, leverage risk assessment to better plan for and address risks and promote continuous improvement.
AWWA webinar
1.0 Contact Hours
0.1 CEUs

- 6 **Preparing the Easy Way for Asset Management**
1/23/25 Topics:
NRWA webinar
1.0 Contact Hours
0.1 CEUs
 - Prepare for an asset management and computerized maintenance management system rollout
 - Save money by learning the “tricks” of organizing data
 - Complete a basic asset management register
 - Create a basic proactive and reactive maintenance task schedule

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7 **Lead Chemistry, Communication, and Local Engagement**

1/28/25

US EPA webinar

2.5 Contact Hours

0.25 CEUs

Topics:

- Lead Chemistry 101
- Lead and Galvanized Iron Pipe Scale
- Corrosion Control Methods and Approach
- Ohio's Lead Strategy and Local Engagement Toolkit
- Communicating About lead

8 **Dashboards that Deliver: Optimizing Benchmarking Visualization**

1/29/25

AWWA webinar

1.5 Contact Hours

0.15 CEUs

In this webinar, attendees will learn of the benefits of participating in the AWWA Utility Benchmarking Survey and how utilities use the Survey data in their dashboards as a part of their continuous performance improvement program.

9 **2025 Pacific Water Pre-Conference (Water Operators)**

2/4/25

RCAC

Additional 4.0 Contact

Hours

Additional 0.4 CEUs

Topics:

- Source water basics
- Groundwater well components and terms
- Drinking water standards
- Regulations and compliance
- Disinfection methods
- Operation plans
- Cybersecurity basics
- Fundamental safety standards

10 **Loss to Savings: Non-Revenue Water Successes**

2/4/25

AWWA webinar

1.0 Contact Hour

0.1 CEUs

This session will provide insights and practical strategies for utilities looking to enhance their water management practices and ensure sustainable operations.

11 **2-Hour Gas Monitor Competence Course**

2/4/25

Tinosi

2.0 Contact Hours

0.2 CEUs

Topics:

- Refresher on Confined Space Definitions and Dangers
- Basic and Job-Specific Gases
- Bump Test
- Calibration
- Gas Monitor Basic and Advanced Operations

12 **AWIA Update: Lessons Learned for Your 2025 RRA and ERP Update**

2/5/25

AWWA webinar

1.5 Contact Hours

0.15 CEUs

Topics:

- Update AWIA 2025 requirements
- Update Risk and Resilience Assessment and Emergency Response Plan
- Prepare for EPA audit
- Lessons learned on how to use existing data

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- 13 **Updating Your AWIA RRA and ERP**
2/12/25
US EPA
2.0 Contact Hours
0.2 CEUs
- Topics:
- Learn what is required in a RRA according to SDWA 1433
 - Learn what is required in an ERP according to SDWA 1433
 - Understand how to use EPA’s Vulnerability Self-Assessment Tool (VSAT) or Small System RRA Checklist to prepare or revise a RRA
 - Understand how to use EPA’s ERP Guidance and Template to prepare or revise an ERP
 - Learn how to address cybersecurity in the RRA and ERP
 - Know how to certify completion of the RRA and ERP to EPA prior to the upcoming deadlines in 2025-2026
- 14 **Strategies and Techniques for Identifying Known Service Line Materials**
2/19/25
AWWA webinar
1.5 Contact Hours
0.15 CEUs
- This webinar provides practical examples from water utilities that have executed service line materials identification programs using meter pit inspections, excavations, and in-basement inspections.
- 15 **Emergency Response: Drinking Water Supply Planning and Treatment Technology Deployment**
2/25/25
US EPA
1.0 Contact Hour
0.1 CEUs
- Topics:
- Planning for an Emergency Drinking Water Supply
 - Portable Treatment System to Provide Drinking Water During Emergencies
- 16 **Emergency Response Planning**
5/7/25
RCAC
6.0 Contact Hours
0.6 CEUs
- Topics:
- Options for the initial response to the most common emergencies
 - Resources to help water system personnel be prepared for disasters
 - Emergency Response Plan template
 - First steps to take to acquire FEMA funding if water system is impacted

Repeating Courses

- 17 **2025 Drinking Water Sampler Training**
SDWB
4.5 Contact Hours
0.45 CEUs
- Topics:
- SDWA
 - Phase II/Phase IV
 - Emergency Response
 - SDWB website
 - LabOnline
 - Next steps for exceedances and violations
 - CoCs
 - Sample packing and transport
 - Hands on training: chlorine, bacti, VOC, SOC

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- 18 **Water System Leak Repair**
RCAC
2.0 Contact Hours
0.2 CEUs
- Topics:
- How to identify leaks
 - Assess local resources and available tools
 - Customer notification procedures
 - Various repair methods and techniques
 - Flushing methods
 - Sampling and reporting requirements
- 19 **Understanding Financial Statements**
RCAC
2.0 Contact Hours
0.2 CEUs
- The purpose of this training is to provide small water systems with tools necessary to plan for financial stability. This training provides decision makers with working knowledge and emphasizes tools/resources available to understand information contained in financial statements to make informed financial decisions necessary to provide for sustainability of the water system.
- 20 **Gas Chlorination & Hypochlorite Chlorination for Water Treatment**
RCAC
4.0 Contact Hours
0.4 CEUs
- Topics:
- The principles of chlorination
 - System components
 - Safety protocols
 - Best practices of effective disinfection to ensure safe and reliable water quality
- 21 **Small Water System Management Programs**
RCAC
3.0 Contact Hours
0.3 CEUs
- This training will help operators understand their obligations regarding planning and will walk through using the Small Water System Management Program template which helps with system planning, design, operation and management.
- 22 **MGT-343 Disaster Management for Water and Wastewater Utilities**
TEEX
16.0 Contact Hours
1.6 CEUs
- Topics:
- Threats to Water and Wastewater Facilities and Systems
 - Disaster Planning and Management
 - Disaster Mitigation
 - Disaster Response and Recovery
- 23 **Resilient Wedge Gate Valve Training Operation and Maintenance**
Clow Valve
1.0 Contact Hour
0.1 CEUs
- This course provides a better understanding of the assembly and disassembly to rebuild gate valves. Standards, types, and proper installation and troubleshooting of resilient wedge gate valves will be covered.
- 24 **Wet Barrel Fire Hydrant AWWA C503**
Clow Valve
1.0 Contact Hour
0.1 CEUs
- This course provides a better understanding of the assembly and disassembly to rebuild wet barrel fire hydrants. Benefits, specifications, and proper installation and troubleshooting of wet barrel fire hydrants will be covered.

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Correspondence/Online Courses

25 **Drinking Water Treatment Processes**

CEUPlan

3.0 Contact Hours

0.3 CEUs

Topics:

- Introduction and description of Water Resources
- Intake Coagulation, Flocculation, Sedimentation
- Filtration, Post-Treatment and Chemical Addition
- Disinfection
- Advanced Treatment Operations
- Inorganic and Organic Chemicals and Radionuclides
- Arsenic, Lead and Copper and Nitrates/Nitrites
- Microbial Rules
- Monitoring Rules, Public Notification and CCR

26 **Safety Course: Field Operations**

Water Otter

1.0 Contact Hours

0.1 CEUs

This course describes the precautions to take in the field when operating and maintaining a drinking water system.

27 **Distribution System Review (8 hours)**

American Water College

8.0 Contact Hours

0.8 CEUs

Topics:

- System Design and Layout
- Distribution Piping
- Water Storage
- Hydrants and Valves
- Water Meters
- Pumps and Motors
- Cross-Connection Control
- Corrosion Control

28 **Water Treatment Review (4 hours)**

American Water College

4.0 Contact Hours

0.4 CEUs

Topics:

- Corrosion Control
- Fluoridation
- Iron and Manganese Control
- Lime Softening

Mainland Courses

29 **2024 WaterPro Conference**

9/11/24

NRWA

6 additional sessions at 1.0 contact hours for 0.1 CEUs each

Topics:

- Demand Driven Distribution System – Make Your System More Efficient
- Enhancing Water Operations – Unlocking the Power of TOC Optimization
- EPA's Framework for a Successful Water Contamination Incident Response
- Microplastics Everywhere, Awareness is Everything
- Pump System Optimization – Improving Efficiency
- Troubleshooting Disinfection Byproducts in Water Production

ATTACHMENT 3
CEU DECISIONS
2-26-2025

30 **Asset Management Planning**

10/8/24

RCAC

6.0 Contact Hours

0.6 CEUs

Topics:

- Build asset management team and plan
- Develop level of service standard for system
- Identify system components and apply criticality ratings
- Calculate life cycle costs of assets
- Develop a financial strategy for asset management plan
- Create, update and maintain asset management plan

31 **WaterWise Pro Maintenance & Construction Expo**

11/5-6/24

WaterWise Pro Training

11.0 Contact Hours

1.1 CEUs

Topics:

- Distribution Exam Prep
- Key Regs for Operators SWTR & GWR
- Pump Curves for Operators
- Features & Design of Ductile Iron Pipe