

## RADIONUCLIDE RULE MONITORING DEADLINE APPROACHING

Yes, it is true! The Revised Radionuclide Rule (RRR) is still in effect for community water systems and monitoring for the current monitoring period (for most systems) must be completed by December 31, 2016. While many of you have probably not thought of the RRR for some time, if you have not already completed your RRR monitoring, it is time to start planning to meet the upcoming deadline.

**Background** - The RRR initially required community water systems to take four consecutive quarters of samples from each entry point to the water system between December 8, 2003 and December 31, 2007. Systems were also allowed to use prior compliance monitoring done between January 1, 2000 and December 7, 2003 to meet this requirement. In addition, systems which took the first two consecutive quarterly samples and received negative results for all parameters, received waivers from the requirement to take the final two consecutive quarters of sampling. Even with four years to conduct the monitoring, a few systems took so long to do their monitoring that they needed the waiver in order to comply by starting only two quarters before December 31, 2007. If their results had not been negative, they would have received monitoring violations for the RRR.

**Current Requirement** - Once the monitoring deadline was met, and the monitoring results were in, a vast majority of the systems were able to report negative results for gross alpha, radium 226 and radium 228, and uranium. These systems were then put on a nine-year compliance cycle (January 1, 2008 to December 31, 2016).

For systems who have already begun their monitoring for this period, and again received negative results, you will need to sample that entry point again between January 1, 2017 to December 31, 2025. If you received positive results for gross alpha, radium 226, radium 228 and uranium between the detection limit and ½ the MCL, then you will be on a 6-year compliance cycle (January 1, 2017 to December 31, 2022). For results that exceed ½ the MCL, contact the Safe Drinking Water Branch (SDWB) for instruction.

For community water systems who needed to conduct “initial quarterly monitoring” or IQM for new sources or long inactivated sources between January 1, 2008 and December 31, 2016, this monitoring is also credited as your routine sample for the period, and the next required sample will also be for the period January 1, 2017 to December 31, 2025 if your results were negative for gross alpha, radium 226, radium

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**OCTOBER 2015**

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## CEU Training Program for Water System Operators

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**HRWA** 808-315-8925



[hrwaoffice@hawaiiirwa.org](mailto:hrwaoffice@hawaiiirwa.org)



**Hawaii Water Works  
Association**

**2015 Annual Conference**

October 14-16, 2015

Ala Moana Hotel

Honolulu, Hawaii

*Sponsored by  
Honolulu Board of Water Supply &  
Hawaii State Department of Health*

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Hydrant Inspection  
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## DSO Exam Review Class

by **HRWA**

### Oahu

October 5-7

7:30 a.m. - 3:30 p.m.

Honolulu BWS

Engineering Conference Room

### Maui

October 12-14

7:30 a.m. - 3:30 p.m.

Maui DWS

Kahului Baseyard Conference Room

### Big Island - Hilo

October 12-14

7:30 a.m. - 3:30 p.m.

Hawaii DWS

Hilo Baseyard Conference Room

Contact HRWA at [hrwaoffice@hawaiiirwa.org](mailto:hrwaoffice@hawaiiirwa.org) for registration information.



# Hawai'i Rural Water Association

## Continuing Education Training Program for Water System Operators

### Course Listing

October 9, 2015 through December 31, 2015

Course	CEU's	Date & Time (1 hr. lunch break)	Location	Tuition Fee / per person		
				PWS Employee	Member/ Non PWS	Non Member/ Non PWS
Pipeline Repair Methods and Monitoring	0.6	11/3/15	Waimea	\$270	\$290	\$310
Pipeline Repair Methods and Monitoring	0.6	11/4/15	O'ahu	\$270	\$290	\$310
Pipeline Repair Methods and Monitoring	0.6	11/10/15	Maui	\$270	\$290	\$310
Pipeline Repair Methods and Monitoring	0.6	11/11/15	Moloka'i	\$270	\$290	\$310
Pipeline Repair Methods and Monitoring	0.6	11/17/15	Kaua'i	\$270	\$290	\$310
Basic Functions, Purpose, O&M of PLC/SCADA	0.6	12/1/15	Kaua'i	\$270	\$290	\$310
Basic Functions, Purpose, O&M of PLC/SCADA	0.6	12/8/15	Maui	\$270	\$290	\$310
Basic Functions, Purpose, O&M of PLC/SCADA	0.6	12/9/15	O'ahu	\$270	\$290	\$310
Basic Functions, Purpose, O&M of PLC/SCADA	0.6	12/15/15	Waimea	\$270	\$290	\$310
Basic Functions, Purpose, O&M of PLC/SCADA	0.6	12/16/15	Hilo	\$270	\$290	\$310

### REGISTRATION FORM

**Registration forms must be received two weeks in advance of class scheduled date.**

Name \_\_\_\_\_ Public Water System (PWS) \_\_\_\_\_

Public Water System (PWS) # \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ County \_\_\_\_\_

Telephone \_\_\_\_\_ Position \_\_\_\_\_

E-mail \_\_\_\_\_ Certification # \_\_\_\_\_

Session/Date/Location \_\_\_\_\_ Class Fee \$ \_\_\_\_\_

**Email registration to:** [hrwaoffice@hawaiiirwa.org](mailto:hrwaoffice@hawaiiirwa.org)

**Mail registration and payment to:** Hawai'i Rural Water Association, 65-1241 Pomaikai Place, Suite 2, Kamuela, HI 96743

**Payment by Visa and MasterCard:** Contact our office @ 808-315-8925 or [hrwaoffice@hawaiiirwa.org](mailto:hrwaoffice@hawaiiirwa.org) for further information.

**Participants must attend entire class to qualify for Hawai'i Water Operator Board of Certification approved CEUs!!**

**HRWA does not guarantee the attendee CEUs, but only offers CEU's that have been approved by the Hawai'i Water Operators Board of Certification.**



65-1241 Pomaikai Place, Suite 2  
Kamuela, Hawai'i 96743  
808-315-8925  
[www.hawaiiirwa.org](http://www.hawaiiirwa.org)



## DWSRF ANNUAL REPORT STATE FISCAL YEAR 2015

The Safe Drinking Water Branch (SDWB) is pleased to provide this annual report on the activities of our Drinking Water State Revolving Fund (DWSRF) for the State Fiscal Year (SFY) 2015 (July 1, 2014 - June 30, 2015). For the fourth year in a row, the DWSRF bested last fiscal year's all time record for loan volume (\$32,924,850) by nearly 48%, finishing strong at \$48,638,387.34. The table below shows executed loan agreements in SFY 2015. Early indications in this current fiscal year are pointing to *even more* loan activity in the coming months.

The DWSRF is a federally-capitalized loan program that provides low interest loans to the four County water departments for their drinking water infrastructure projects. Since 1997, the Hawaii DWSRF has financed over \$210,688,976.44 in County water supply projects, such as treatment plants, new drinking water sources, the replacement of aging waterlines, and storage tanks. The resulting public health benefits and water and energy savings for over 1 million rate paying residents Statewide, coupled with the favorable debt service opportunity for the County entity (interest rates vary between 1% and 2% depending on the project loan amount), is a win-win for all parties. In addition, the DWSRF continues to provide additional subsidization (zero percent interest + principal forgiveness), to a portion of these already low interest loans to projects that complete construction on schedule. This new, more competitive criteria in the coming fiscal year will be applied to the next Federal capitalization grant, expected to be awarded by the EPA to the SDWB in early 2016.

The Hawaii DWSRF program is continuously trying to streamline and improve its processes for its Counties as much as possible while still complying with EPA and State rules and regulations. Some of those improvements are:

- ◆ No longer requiring a site certification
- ◆ Allowing year round submittal of projects to the Priority List
- ◆ Loan fee and interest rate analyses will be conducted to evaluate the sustainability of the current ultra-low interest rate structure. Changes will be inevitable but will always remain below market rates. Get your money now before rates rise!

COUNTY	WATER SYSTEM	PROJECT NAME	LOAN AMOUNT (\$)	TOTAL LOAN RATE (%)	ADDITIONAL SUBSIDIZATION (\$)
Kauai	Lihue-Kapaa	Lihue Baseyard Improvements	4,000,000.00	2.00	2,005,798.00
Maui	Hana	Wakiu Well	1,850,000.00	2.00	
	Makawao	Haliimaile Tank Replacement	700,000.00	2.00	
	Upper Kula	Kula 200 #1 Tank Replacement	839,782.03	2.00	15,000.00
Honolulu	Throughout Oahu	Honolulu Refinance Project 1	26,400,910.01	1.00	
	Throughout Oahu	Honolulu Water System Improvements 1	9,579,895.00	1.00	
	Honolulu-Windward-Pearl Harbor	Kalihi Water System Improvements, Part III	5,068,079.00	1.50	750,000.00
	Honolulu-Windward-Pearl Harbor	Ward Avenue 12-Inch and 8-Inch Mains	199,721.30	2.00	

## WTPO PASSING RATE DROPS

The Water Treatment Plant Operator (WTPO) examination was held on July 27-28 statewide. Out of the 16 that sat for the exam, 5 passed, for a passing rate of 31%. The passing rate dropped from 55% to 31% from the January exam. The table shows passing rates by grade level.

Grade	Passed	Examinees	Passing Rate
1	4	6	67%
2	1	8	13%
3	-	-	-
4	0	2	0%
Total	5	16	31%

Individual Mastery Reports were mailed with the examination score to those requiring improvement. The number of questions correct out of the total number of questions per objective were highlighted in the reports.

Congratulations to those who passed the exam! For those who would like to re-take the WTPO exam, please submit the [WTPO Exam Registration Form](#) and fee by November 26, 2015. The next WTPO exam will be held the week of January 25, 2016.

### Operator Library Reference Books for ABC Exams Available

Contact Jodi Yamami  
[jodi.yamami@doh.hawaii.gov](mailto:jodi.yamami@doh.hawaii.gov)

**NOVEMBER 24, 2015  
10:00 A.M.**

Board of Certification  
of Public Water System Operators  
Quarterly Meeting  
919 Ala Moana Blvd., Room 308  
Honolulu

## 2015 CERTIFICATION RENEWALS

There are many DSO and WTPO certifications expiring soon. If your certification is one of them, the final renewal notice was mailed to you in September. November 30, 2015 is the expiration date. Take a look at your ID cards now and renew before the deadline of November 14, 2015.

All grades 1 and 2 certifications require 0.8 Continuing Education Units (CEUs) or 8 contact hours to maintain certification every 2 years. Grades 3 and 4 certifications require 1.6 CEUs or 16 contact hours. If your renewal period is not 2 years, your required CEUs will be prorated. CEU requirements and records

are documented on your renewal form. If you do not have sufficient CEUs to renew, the last Board meeting for reviewing CEU Requests prior to the expiration date is coming up, and [CEU Request Forms](#) are due by October 24, 2015.

Submit your renewal form and renewal fee via cashier's check or money order only. No personal checks, please.

Don't delay in renewing. After December 31, 2015, the renewal fee doubles. After November 30, 2016, you will not be able to renew and will need to re-take and pass the exam to become certified again.



# QUARTERLY CALENDAR

- ◆ **10/1 O&E Plan Due**  
*Surface Water Systems*
- ◆ **10/5-7 HRWA DSO Exam Review Class**  
*Oahu*
- ◆ **10/9 CT Report Due**  
*Surface Water Systems*
- ◆ **10/9 MRDL Report Due**  
*Disinfection Systems*
- ◆ **10/9 TCR Report Due**  
*Systems who complete their own tests*
- ◆ **10/9 Enhanced Coagulation Report Due**  
*Conventional Treatment Systems*
- ◆ **10/9 Chemical Quarterly Monitoring Report Due**  
*Systems with quarterly monitoring requirements*
- ◆ **10/12-14 HRWA DSO Exam Review Class**  
*Maui & Hilo*
- ◆ **10/14-16 2015 HWWA Annual Conference**  
*Ala Moana Hotel, Oahu*
- ◆ **10/26-27 DSO Exam**  
*Maui, Kona, Oahu, Hilo, & Kauai*
- ◆ **10/26 WTPO Applications Due**  
*January Examinees*
- ◆ **11/10 CT Report Due**  
*Surface Water*
- ◆ **11/10 TCR Report Due**  
*Systems who complete their own tests*
- ◆ **11/13 DSO & WTPO Renewals Due**  
*Selected Operators*
- ◆ **11/24 Board of Certification Meeting**  
*SDWB Honolulu, 10:00 am*
- ◆ **11/25 WTPO Exam Registrations Due**  
*January Examinees*
- ◆ **12/10 CT Report Due**  
*Surface Water Systems*
- ◆ **12/10 TCR Report Due**  
*Systems who complete their own tests*

## OCTOBER 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 O&E Plan Due	2	3
4	5 Oahu HRWA DSO Exam Review Class	6 Oahu HRWA DSO Exam Review Class	7 Oahu HRWA DSO Exam Review Class	8	9 CT Report Due MRDL Report Due TCR Report Due Enhanced Coagulation Report Due Chemical Quarterly Monitoring Report Due	10
11	12 Maui HRWA DSO Exam Review Class Hilo HRWA DSO Exam Review Class	13 Maui HRWA DSO Exam Review Class Hilo HRWA DSO Exam Review Class	14 Maui HRWA DSO Exam Review Class Hilo HRWA DSO Exam Review Class 2015 HWWA Annual Conference	15 2015 HWWA Annual Conference	16 2015 HWWA Annual Conference	17
18	19	20	21	22	23	24
25	26 Maui & Kona DSO Exam WTPO Applications Due	27 Oahu & Hilo DSO Exam	28 Kauai DSO Exam	29	30	31

## NOVEMBER 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10 CT Report Due TCR Report Due	11 HOLIDAY	12	13 DSO & WTPO Renewals Due	14
15	16	17	18	19	20	21
22	23	24 Board of Certification Meeting	25 WTPO Exam Registrations Due	26 HOLIDAY	27	28
29	30					

## DECEMBER 2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10 CT Report Due TCR Report Due	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25 HOLIDAY	26
27	28	29	30	31		



**HAWAII STATE  
DEPARTMENT OF HEALTH  
SAFE DRINKING WATER  
BRANCH**

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**DAVID Y. IGE**

Governor of Hawaii

**VIRGINIA PRESSLER, M.D.**

Director of Health

**KEITH E. KAWAOKA, D. Env.**

Deputy Director for Environmental Health

*The mission of the Safe Drinking Water Branch of the Department of Health is to safeguard public health by protecting Hawaii's drinking water sources (surface water and groundwater) from contamination and assure that owners and operators of public water systems provide safe drinking water to the community. This mission is accomplished through the administration of the Safe Drinking Water Program, Underground Injection Control Program (UIC), Groundwater Protection Program (GWPP), and the Drinking Water State Revolving Fund (DWSRF).*

**We're on the Web!**

<http://health.hawaii.gov/sdwb/>

*We provide access to our activities without regard to race, color, national origin (including language), age, sex, religion, or disability. Write or call our Affirmative Action Officer at Box 3378, Honolulu, HI 96801-3378 or at 808 586-4616 (voice) within 180 days of a problem.*

**RRR MONITORING DEADLINE**

CONTINUED FROM PAGE 1

228 and uranium. Again, if you receive results for gross alpha, radium 226, radium 228 or uranium between the detection limit and  $\frac{1}{2}$  the MCL, you will be on a 6-year compliance cycle (January 1, 2017 to December 31, 2022). For results greater than  $\frac{1}{2}$  the MCL, contact the SDWB for instruction.

Thought we forgot about gross beta? Gross beta monitoring is required under the RRR for community water systems that the state determined to be "vulnerable" to gross beta contamination. The State has not to this point designated any water system as vulnerable, but called for systems to monitor for gross beta to see if it was a problem in the State. The results of the first round of sampling indicates that it is not a problem in any water system in Hawaii, and therefore will not be required in future radionuclide monitoring unless the regulations are changed to require it. So even for detections of gross beta in the initial round, you were not put on a more frequent schedule, however in some cases, confirmation samples were required.

To be clear, each community water system must sample each entry point to their distribution system (EPD) once for the period between January 1, 2008 and December 31, 2016. Please make your plans with your support laboratory or your operations contractor now. The State Laboratories Division (SLD) does not perform radiological analyses of drinking water. For any questions about your next required radiological sample, please consult your Sample Collection and Reservation System (SCRS) site at: <http://eha-web.doh.hawaii.gov/scrs>. For questions about the rule, please contact Mel Hamano at 808-586-4258.