

## RTCR & SAMPLE SITING PLANS

The Revised Total Coliform Rule (RTCR) will be effective April 1, 2016. The rule requires that all water systems have a written sample siting plan that identifies coliform sampling sites. Systems are also required to provide information about the monitoring schedule for sample points, and identify the Ground Water Rule Triggered Source Water Monitoring (TSWM) sites. Please update your sample siting plans by July 1, 2015, to allow adequate time for review. In addition, if your coliform samples are processed by the State Laboratories Division, the Safe Drinking Water Branch will need to approve and add the new sample points into the Safe Drinking Water database before these sites can be accessed through the Sample Collection and Reservation System.

Step 1: Evaluate your existing sample points. If any sample points are no longer in service, or are not good sample points, this would be a good time to decide if you want to keep them. Sample points should reflect water quality in the distribution system, and not be prone to localized coliform-positive results.

Step 2: We have developed two templates for water purveyors to use, depending on the number of sample points in the system. Complete either the small system template (recommended for systems with 16 or fewer routine sample points) or the large system template for each system.

### Small System Template

On the first sheet, in Section A (Sample Sites), list the routine sample points, and associated upstream and downstream sample points. The upstream sample point is located within five service connections upstream of the routine sample point, and the downstream sample point is located within five service connections downstream of the routine sample point. For each routine sample point, indicate the TSWM well sample point ID(s). If you only have one routine sample point, we recommend that you add at least one additional routine sample point in case a situation arises where you cannot sample your usual routine sample point.

The form is titled "RTCR SAMPLE SITING PLAN". It includes fields for PWS ID, System name, DATE, Contact person, and phone. Section A, "SAMPLE SITES", is a table with columns for routine sample (sample ID #, location) and TSWM (well name ID #, sample ID #, location). It lists 8 routine sample points. Section B, "SAMPLE SITE ROTATION", includes instructions to check appropriate boxes and add descriptions of how sites are sampled. Section C, "GROUND WATER RULE THRESHOLD SOURCE WATER MONITORING (TSWM)", includes fields for well name ID, well name, and well name.

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JULY 2015

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**CEU Training Program  
for  
Water System Operators**

See next page for Course Listing

**HRWA 808-495-0264**



**hrwaoffice@hawaiiirwa.org**

**ABPA**

Backflow Testers  
Re-Certification



**Wednesday, July 15, 2015**

*Non-Instruction "Practice" Day*

Applicants may practice on actual backflow preventer assemblies with simulated faults. Contact Jay Nakashima at 808-298-3171 for information.

**Thursday, July 16, 2015**

*Written & Hands-On Examinations*

All applicants must go to [www.abpa.org](http://www.abpa.org) to register. Exam is limited to 10 applicants.

**RTCR & SAMPLE SITING PLANS**

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In Section B (Sample Site Rotation), describe your monitoring schedule (for example, all sample points are sampled once/month, or a brief statement on how they are rotated.) In Section C (Ground Water Rule TSWM), list the TSWM well sample point IDs and well names.

On the second sheet, attach a map of the sample site locations and pictures of the sample sites.

The small system template can be downloaded from the Safe Drinking Water Branch website at:

<http://health.hawaii.gov/sdwb/compliance-section/...> (not finalized yet)

**Large System Template**

Systems should use the large template if the system has many routine sample points, or many different wells that could serve each sample point. On the first sheet, list the water system facilities (such as chlorinators) for each routine sample

point, and indicate the wells that feed each facility on the second sheet. Some of the larger water systems could have ten facilities serving each sample point, with one or more wells serving each facility. We created this form so that all the individual TSWM wells wouldn't have to be listed for each routine sample point.

The branch will be conducting monitoring meetings during the month of July in Hilo and Kona, and on Oahu, Molokai, Maui and Kauai. We will discuss new requirements of the RTCR, such as updates to sample siting plans, monitoring changes, and requirements for conducting Level 1 and Level 2 assessments. All water systems are encouraged to send the person responsible for coliform monitoring and compliance because the RTCR will impact every water system.

If you have any questions, or would like to use the large system template, please call Ann Zane of the Compliance section at 808-586-4258.



# Hawai'i Rural Water Association



## Continuing Education Training Program for Water System Operators Course Listing July 2015 through October 8, 2015

| Course                                     | CEU's | Date & Time<br>8:30am to 3:30pm<br>(1 hr. lunch break) | Location | Tuition Fee                  |   |            |
|--|-------|--|----------|------------------------------|---|------------|
|  |       |  |          | Public Water System Employee | HRWA Member (non-water system employee) | Non-member |
| Meter & Meter Testing Procedures           | 0.6   | 7/7/2015   | Waimea   | \$195                        | \$240                                   | \$490      |
| Meter & Meter Testing Procedures           | 0.6   | 7/14/2015  | Oahu     | \$195                        | \$240                                   | \$490      |
| Meter & Meter Testing Procedures           | 0.6   | 7/15/2015  | Mauai    | \$195                        | \$240                                   | \$490      |
| Emergency Generators O&M & Troubleshooting | 0.6   | 7/21/2015  | Hilo     | \$195                        | \$240                                   | \$490      |
| Emergency Generators O&M & Troubleshooting | 0.6   | 8/4/2015   | Oahu     | \$195                        | \$240                                   | \$490      |
| Emergency Generators O&M & Troubleshooting | 0.6   | 8/5/2015   | Kauai    | \$195                        | \$240                                   | \$490      |
| Emergency Generators O&M & Troubleshooting | 0.6   | 8/18/2015  | Molokai  | \$195                        | \$240                                   | \$490      |
| Emergency Generators O&M & Troubleshooting | 0.6   | 8/19/2015  | Mauai    | \$195                        | \$240                                   | \$490      |
| Leak Detection Methods & Monitoring        | 0.6   | 9/1/2015   | Oahu     | \$195                        | \$240                                   | \$490      |
| Leak Detection Methods & Monitoring        | 0.6   | 9/2/2015   | Mauai    | \$195                        | \$240                                   | \$490      |
| Leak Detection Methods & Monitoring        | 0.6   | 9/15/2015  | Waimea   | \$195                        | \$240                                   | \$490      |
| Leak Detection Methods & Monitoring        | 0.6   | 10/6/2015  | Hilo     | \$195                        | \$240                                   | \$490      |

### 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.

Note: This program is partially funded by the United States Environmental Protection Agency and the State of Hawaii, Department of Health using Federal Drinking Water State Revolving Fund monies.

**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 CEUs that have been approved by the Hawai'i Water Operators Board of Certification.**

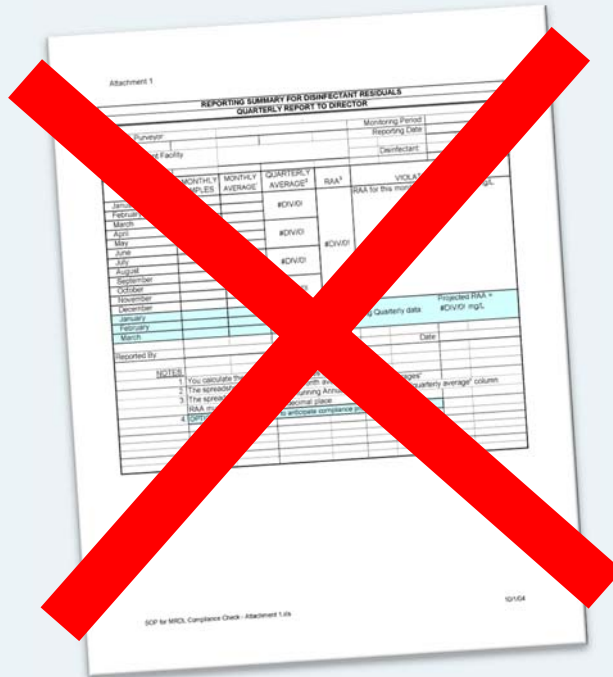


65-1241 Pomaikai Place, Suite 2  
Kamuela, Hawai'i 96743  
808-315-8925  
[www.hawaiiirwa.org](http://www.hawaiiirwa.org)



**QUARTERLY MAXIMUM RESIDUAL  
DISINFECTANT LEVEL (MRDL) REPORTING  
ELIMINATED FOR MOST PWSS**

With approval from the U.S. EPA, public water systems that utilize the State Laboratory to analyze their monthly Total Coliform Rule (e.g., Total Coliform, TCR, or bacti) samples will no longer be required to submit a quarterly MRDL report demonstrating a chlorine residual less than 4.0 mg/L in the distribution system. Instead, SDWB staff will download and review the required data from SCRS on a quarterly basis on your behalf.



If you use a private laboratory or your own laboratory to analyze your monthly Total Coliform Rule samples (e.g., all four Counties, military, etc.), you are still required to submit the report on a quarterly basis, no later than the 10th day following the end of the quarter (i.e., January 10, April 10, July 10, October 10).

If you have any questions, please contact Jennifer Nikaido at [jennifer.nikaido@doh.hawaii.gov](mailto:jennifer.nikaido@doh.hawaii.gov) or 808-586-4262.

**MONITORING PROGRAM UPDATE MEETING**

The Safe Drinking Water Branch (SDWB) will be conducting meetings statewide to provide updates on the drinking water monitoring program. We will be discussing the continued transition of sampling responsibilities to the water systems, the upcoming Revised Total Coliform Rule, future plans for the monitoring program that will affect water system sampling, and upcoming training and water monitoring activities. We will gather input and feedback from water systems on monitoring program improvements, and answer questions that you may have regarding drinking water sampling.

Owners and operators of water systems who are currently utilizing or those who seek to utilize the analytical services of the Department of Health - State Laboratories Division for drinking water compliance monitoring should attend this meeting. In addition, it is recommended that all water systems seeking more information on the Revised Total Coliform Rule attend this meeting to gain knowledge of new requirements that will begin in April 2016. For more information, please call the SDWB at 808-586-4258.

# QUARTERLY CALENDAR

- ◆ **7/1 CCR Distribution Due**  
*Community Systems*
- ◆ **7/1 O&E Plan Due**  
*Surface Water Systems*
- ◆ **7/7 Hilo Monitoring Meeting**  
*Hawaii DWS Hilo Baseyard, 9:30 am*
- ◆ **7/8 Kona Monitoring Meeting**  
*Hawaii DWS Kona Baseyard, 9:30 am*
- ◆ **7/10 Oahu Monitoring Meeting**  
*State Laboratory, 9:30 am*
- ◆ **7/10 CT Report Due**  
*Surface Water Systems*
- ◆ **7/10 MRDL Report Due**  
*Disinfection Systems*
- ◆ **7/10 TCR Report Due**  
*Systems who complete their own tests*
- ◆ **7/10 Enhanced Coagulation Report Due**  
*Conventional Treatment Systems*
- ◆ **7/10 Chemical Quarterly Monitoring Report Due**  
*Systems with quarterly monitoring requirements*
- ◆ **7/13 Molokai Monitoring Meeting**  
*Kulana Oihi Building, 9:30 am*
- ◆ **7/20 Maui Monitoring Meeting**  
*State Building 3rd Floor, 9:30 am*
- ◆ **7/20 Kauai Monitoring Meeting**  
*Kauai DOW Board Room, 9:30 am*
- ◆ **7/27-29 WTPO Exam**  
*Maui, Kona, Oahu, & Hilo*
- ◆ **7/27 DSO Applications Due**  
*October Examinees*
- ◆ **8/10 CT Report Due**  
*Surface Water*
- ◆ **8/10 TCR Report Due**  
*Systems who complete their own tests*
- ◆ **8/25 Board of Certification Meeting**  
*SDWB Honolulu, 10:00 am*
- ◆ **8/27 DSO Exam Registrations Due**  
*October Examinees*
- ◆ **9/10 CT Report Due**  
*Surface Water Systems*
- ◆ **9/10 TCR Report Due**  
*Systems who complete their own tests*
- ◆ **9/30 Lead & Copper Monitoring Period Ends**  
*Selected Systems*

## JULY 2015

| Sun | Mon   | Tue                          | Wed                                       | Thu | Fri  | Sat |
|-----|---|------------------------------|---|-----|--|-----|
|     |   |                              | 1<br>CCR Distribution Due<br>O&E Plan Due | 2   | 3<br>HOLIDAY   | 4   |
| 5   | 6   | 7<br>Hilo Monitoring Meeting | 8<br>Kona Monitoring Meeting              | 9   | 10<br>Oahu Monitoring Meeting<br>CT Report Due<br>MRDL Report Due<br>TCR Report Due<br>Enhanced Coagulation Report Due<br>Chemical Quarterly Monitoring Report Due | 11  |
| 12  | 13<br>Molokai Monitoring Meeting                    | 14                           | 15  | 16  | 17<br>Maui Monitoring Meeting  | 18  |
| 19  | 20<br>Kauai Monitoring Meeting                      | 21                           | 22  | 23  | 24   | 25  |
| 26  | 27<br>Maui & Kona WTPO Exam<br>DSO Applications Due | 28<br>Oahu & Hilo WTPO Exam  | 29  | 30  | 31   | 1   |

## AUGUST 2015

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

## SEPTEMBER 2015

| Sun | Mon          | Tue | Wed  | Thu                                   | Fri | Sat |
|-----|--------------|-----|--|---------------------------------------|-----|-----|
| 30  | 31           | 1   | 2  | 3                                     | 4   | 5   |
| 6   | 7<br>HOLIDAY | 8   | 9  | 10<br>CT Report Due<br>TCR Report Due | 11  | 12  |
| 13  | 14           | 15  | 16   | 17                                    | 18  | 19  |
| 20  | 21           | 22  | 23   | 24                                    | 25  | 26  |
| 27  | 28           | 29  | 30<br>Lead & Copper Monitoring Period Ends |                                       |     |     |



## DSO PASSING RATE DECREASES

On April 27-29, the Distribution System Operator (DSO) examination was held at five locations: Maui, Oahu, Kona, Hilo, and Kauai. Out of the 41 that sat for the exam, 15 passed, lowering the passing rate to 37%. The passing rate dropped from 51% to 37% from the last October exam.

| Grade        | Passed    | Examinees | Passing Rate |
|--------------|-----------|-----------|--------------|
| 1            | 7         | 12        | 58%          |
| 2            | 5         | 10        | 50%          |
| 3            | 2         | 6         | 33%          |
| 4            | 1         | 13        | 8%           |
| <b>Total</b> | <b>15</b> | <b>41</b> | <b>37%</b>   |

According to the Mastery Summary Report provided by the Association of Boards of Certification, each grade level needs specific improvement in the following categories. Grade 1 examinees should review Disinfection Monitoring, Evaluation, and Adjustment topics. Grade 2 examinees should concentrate on the Performing Security, Safety, and Administrative Duties category. Grade 3 examinees fell short on the Operate Equipment category. And Grade 4 examinees should review Drinking Water Regulations.

Congratulations to those who passed the exam! For those who would like to re-take the DSO exam, please contact Jodi Yamami at 808-586-4263. The next DSO exam will be held the week of October 26, 2015. There will be no supplementary DSO exam during the summer this year.

### MAHALO LAN

Lan Yoneda has completed his service of two consecutive terms as a member and chairman of the Board of Certification of Public Water System Operators from July 1, 2008 to June 30, 2015. With fifteen years of experience in water system field operations and a certification as a Grade 4 Distribution System Operator, Lan provided valuable insight and fully understands the importance of both maintaining certification and of a drinking water operator certification program.



Lan Yoneda

His willingness to volunteer as a Board member was commendable. Thank you, Lan, for your years of service!

**AUGUST 25, 2015  
10:00 A.M.**

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

### WELCOME GLENN

Glenn AhYat was nominated by the Governor and confirmed by the Senate Committee on Health on April 15, 2015 to serve on the Board of Certification of Public Water System Operators. His term will start July 1, 2015 and expire June 30, 2019.

Glenn has over 23 years of public potable water experience at the Honolulu Board of Water Supply and holds the highest level Distribution System Operator certification. Welcome on board, Glenn!



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

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Tel: 808 586-4258  
Fax: 808 586-4351

E-mail: [SDWB@doh.hawaii.gov](mailto:SDWB@doh.hawaii.gov)



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.*

**BOB CHANGES ROLES**

On March 24, 2015, Robert "Bob" Whittier changed roles from the Groundwater Protection Program Environmental Health Specialist to the Source Water Protection Program Geologist. In his new position, Bob will provide technical expertise for source water assessments and wellhead protection delineations required under the Federal Safe Drinking Water Act.

For assistance with source water assessments and wellhead protection delineations, you may contact Bob at 808-586-4258.



Bob Whittier