

THE WATER SPOT

HAWAII STATE DEPARTMENT OF HEALTH • SAFE DRINKING WATER BRANCH

REPORTING THE DETECTION OF NEW CONTAMINANTS BY PUBLIC WATER SYSTEMS

Hawaii Revised Statutes (HRS), Chapter 340E, Section 24 calls for the reporting by public water systems of detections of previously undetected chemical contamination within seven (7) days of the detection.

What does this mean for you? If in the course of Environmental Protection Agency (EPA) or Department of Health required monitoring, you as the water supplier detect a contaminant that has not been reported as positive before from either source, entry-point or distribution system, you must let the Safe Drinking Water Branch (SDWB) know within seven (7) days of receiving the report.

There are also cases under the safe drinking water regulations in which you may be called upon to conduct non-routine monitoring such as for the Unregulated Contaminants Monitoring Rule (UCMR) which EPA uses to look for occurrence of contaminants that they may regulate in the future. Any new detection(s) of these chemicals will also be subject to the notification requirement.

This requirement also applies to research or special study-type samples. For example, if you as the public water system are required to or allow another entity to conduct special monitoring, such as for underground storage tanks, and found a previously undetected contaminant in either the water system or an underground source of drinking water, you would also be subject to the notification requirement.

This is what happened to the U.S. Navy who was monitoring the groundwater at Red Hill, in their role as owner/operator of an underground storage tank facility. They chose to use their Red Hill drinking water source as one of their groundwater monitoring wells. This automatically qualified any detection at that location for notification under Section 24.

Once reported to the SDWB, the SDWB is required to determine whether the data is reliable. Data from certified or approved laboratories would generally be considered reliable. The SDWB may need to take additional steps to determine reliability from other laboratories, such as requiring confirmation samples to discount sampler or laboratory error/interference. Once determined to be reliable, the Director of Health must notify the public through the media (usually via press release) of the detection within 14 days of determination.

Please keep HRS Chapter 340E-24 in mind when reviewing your data; it serves an important role in keeping the public informed of drinking water quality.

VOLUME 18, ISSUE 2

APRIL 2014

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SDWB's URL has changed. Update your bookmark at:

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

QUARTERLY CALENDAR

- ◆ **3/31, 4/1-2 DSO Exam Review (TEEX)**
Maui
- ◆ **4/1 O&E Plan Due**
Surface Water Systems
- ◆ **4/4, 7-8 DSO Exam Review (TEEX)**
Oahu
- ◆ **4/10-11, 14 DSO Exam Review (TEEX)**
Kona
- ◆ **4/10 CT Report Due**
Surface Water Systems
- ◆ **4/10 MRDL Report Due**
Disinfection Systems
- ◆ **4/10 TCR Report Due**
Systems who complete their own tests
- ◆ **4/10 Enhanced Coagulation Report Due**
Conventional Treatment Systems
- ◆ **4/10 Chemical Quarterly Monitoring Report Due**
Systems with quarterly monitoring requirements
- ◆ **4/21-23 DSO Exam**
Kauai, Kona, Hilo, Maui, & Oahu
- ◆ **4/22 WTPO Applications Due**
July Examinees
- ◆ **5/6-9 Hawaii Water Conference**
Hawaii Convention Center
- ◆ **5/12 CT Report Due**
Surface Water Systems
- ◆ **5/12 TCR Report Due**
Systems who complete their own tests
- ◆ **5/27 Board of Certification Meeting**
SDWB Honolulu, 10:00 am
- ◆ **6/10 CT Report Due**
Surface Water Systems
- ◆ **6/10 TCR Report Due**
Systems who complete their own tests
- ◆ **7/1 CCR Distribution Deadline**
Community Systems

APRIL 2014

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

MAY 2014

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

JUNE 2014

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	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1 CCR Distribution Deadline				

**CEU Training Program
for
Water System Operators**

See next page for Course Listing

HRWA 808-495-0264

hrwaoffice@hawaiiwa.org



1st Annual

**2014
Hawaii Water
Conference**

Uniting Hawaii's Water Resources

**Sponsored by
AWWA Hawaii Section & HWEA**

May 6 Pre-Conference May 7-9 Conference

Hawaii Convention Center [Click Here for Info](#)

**DSO EXAM PREPARATION BY TEEEX
FREE 3-DAY TRAINING
COVERING
CATEGORIES MOST IN NEED OF IMPROVEMENT**

Wailuku, Maui
March 31, April 1-2
Mon, Tues, Wed
State Building, 3rd Floor
Conference Room B
54 High St.

Honolulu, Oahu
April 4, 7-8
Fri, Mon, Tues
919 Ala Moana Blvd.
5th Floor

Kona, Big Island
April 10-11, 14
Thurs, Fri, Mon
West Hawaii Civic Center
Mayor's Conference Room
74-5044 Ane Keohokalole Hwy.



- ◆ Math ◆
- ◆ Evaluate Operation of Equipment ◆
- ◆ Maintain Equipment ◆
- ◆ Perform Security & Safety Procedures ◆

To reserve your seat, call Jodi Yamami at 808-586-4263.

**CAPACITY DEVELOPMENT CORNER
SOURCE WATER PROTECTION &
EMERGENCY RESPONSE PLANS**

A few recent highly-publicized contamination events on the mainland and locally remind all of us that our drinking water is susceptible to contamination from internal and external sources. Both surface water and ground water are subject to contamination. This is a good time to review your source water protection plans and your emergency response plans. Your emergency response plan should include contingencies for alternate

sources of water in the event of contamination.

For questions on source water protection plans, you can contact Bob Whittier or Dan Chang at 808-586-4258.

For assistance on developing an emergency response plan, contact Kevin Baughman (kbaughman@rcac.org; 808-896-3886) or Joy Gannon (jgannon@rcac.org; 808-345-1246).



Hawai'i Rural Water Association



Continuing Education Training Program for Water System Operators Course Listing April 2014 through June 30, 2014

Course	CEU's	Date & Time 8:30am to 3:30pm (1 hr. lunch break)	Location	Tuition Fee		
				Public Water System Employee	HRWA Member (non-water system employee)	Non-member
Chlorine Usage and Application	0.6	4/9/2014	Kona	\$125	\$240	\$490
Chlorine Usage and Application	0.6	4/10/2014	Oahu	\$125	\$240	\$490
Chlorine Usage and Application	0.6	4/29/2014	Maui	\$125	\$240	\$490
Chlorine Usage and Application	0.6	4/30/2014	Hilo	\$125	\$240	\$490
Preventative Maintenance Overview	0.6	5/20/2014	Maui	\$125	\$240	\$490
Advanced Water Treatment	0.6	5/29/2014	Waimea	\$125	\$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

Mail registration and payment to: Hawai'i Rural Water Association, 1325 S. Kihei Rd., Suite 200, Kihei, HI 96753

Payment by Visa and MasterCard: Contact our office @ 808-495-0264 or 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.

Continuing Education Training Program for Water System Operators



1325 South Kihei Road, Suite 200
Kihei, Hawai'i 96753
808-495-0264
www.hawaiiirwa.org



WTPO PASS RATE JUMPS UP

On January 27 & 28, the Water Treatment Plant Operator (WTPO) examinations were held at four locations across the state: Maui, Oahu, Kona, and Hilo. The overall pass rate jumped up to 50% compared to July's rate of 33%. This is a considerable improvement.

Congratulations to those who passed the exam! For those who would like to re-take the exam, please review your Individual Mastery Report which provides information on the areas you need to improve upon. Reference books are available to borrow from the Operator Library to help you study. You should also review the new Formula/Conversion Table dated August 7, 2012 which includes additional pie charts for ease of math calculations.

The next WTPO exam will be held in July 2014. Please submit the WTPO Exam Registration Form and fee by May 22, 2014 if you would like to re-take the exam.

Grade	Passed	Examinees	Passing Rate
1	5	10	50%
2	1	2	50%
3	-	-	-
4	1	2	50%
Total	7	14	50%

OPERATOR MATH

1. What is the chlorine residual if the dosage is 1.3 mg/L and the demand is 0.9 mg/L?
2. How much soil in cubic yards will be displaced by a pipeline that is 500 cubic feet?
3. If a pump discharges at 1030 gpm, how many gallons will it discharge in 2.5 hours?
4. A pipe that is 8 inches in diameter and 50 feet long contains how many gallons water?
5. How many pounds of chlorine are required to treat 52 MG if the dosage is 1.21 mg/L?

Answers: (1) 0.4 mg/L, (2) 18.5 cubic yards, (3) 154,500 gal, (4) 130.5 gal, (5) 525 lbs

EXAM REMINDERS

With the anticipated update to bound test books in the year 2014, exam registration due dates will not be flexible as they have been in the past. ***Only those examinees who have submitted their exam registration form and fee by the due date will be allowed to***

sit for the exam. The due date for exam registration forms and fee is 2 months prior to the exam date. In addition, there will be no "carrying over" of exam registration fees after the due date passes. The exam schedule for the next year is given below.

Exam Schedule			
	Application Due	Exam Registration Due	Exam
WTPO	4/22/2014	5/22/2014	week of 7/21/2014
DSO	7/28/2014	8/28/2014	week of 10/27/2014
WTPO	10/27/2014	11/27/2014	week of 1/26/2015
DSO	1/28/2015	2/28/2015	week of 4/27/2015



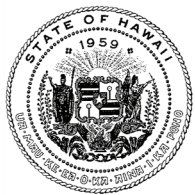
**HAWAII STATE
DEPARTMENT OF HEALTH
SAFE DRINKING WATER
BRANCH**

919 Ala Moana Blvd.
Room 308
Honolulu, HI
96814-4920

Tel: 808 586-4258

Fax: 808 586-4351

E-mail: SDWB@doh.hawaii.gov



NEIL ABERCROMBIE

Governor of Hawaii

LINDA ROSEN, M.D., M.P.H.

Director of Health

GARY GILL

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.

SDWB WELCOMES MARK AND JOAN

The SDWB recently hired two new staff members, Mark Frazier and Joan Corrigan.

Mark joined the branch as a Geologist in the Underground Injection Control section on February 3. Born and raised in Hawaii, Mark first worked as a Hydrogeologist in the Bay Area, California. Upon return to the islands, Mark worked for private engineering firms and also owned his own environmental consulting business prior to joining the State.

He looks forward to learning more of the government aspect of the science field with permitting and hopes his consulting experience may be supportive.

When not in the office, you'll find Mark with his family including a very active 8 year old son.

Joan joined the SDWB on February 10 as a State Revolving Fund (SRF) Engineer in the Engineering Section. Prior to joining the State, she was an electrical engineer in research and development.

She is excited to be in the branch and is looking forward to a stable environment where she can learn and grow as an engineer and apply her skills.

At home, Joan enjoys family life with her two little boys, ages 2 and 3!

Welcome to the SDWB, Mark Frazier and Joan Corrigan!



Joan Corrigan and Mark Frazier

GOOD LUCK, KUMAR

Kumar Bhagavan, an Engineer in the Compliance Section, left the SDWB on February 28. We wish him the best in his future endeavors and will definitely miss him. For all assistance with Phase II/V issues or CCRs, please contact Ann Zane at 808-586-4258.

Note: Joanna's article in the last Water Spot was also inspired by AWWA Hawaii Section Chair Timothy Lum Yee's poem, "The Symphony of Water" in the AWWA Hawaii Section Fall 2013 Newsletter.