

The Water Spot

April 2010

Volume 14, Issue 2



Special points of interest:

- Get the scoop on DSO Exam specifications.
- NRWA now provides source water protection services.
- NRWA free training returns for 2010.
- OCT Academy offers DSO Test Prep course.

On the Spot:

Quarterly Schedule	3
Operator Certification	4
NRWA Source Water	5
NRWA Training	6
Phase II/Phase V	7
TC Sampling	7
OCT DSO Test Prep	7
Director's Approval	8
Compliance Section	10

Monitoring Program Update

Budget restrictions and the reduction in force severely impacted the drinking water compliance monitoring program. However, some additional funding from EPA was secured to alleviate some of the burden on the purchase of necessary analytical supplies, as well as allow the SDWB to provide greater assistance to public water systems. Essentially, SDWB staff will provide hands-on training for small water system staff while collecting the compliance sample(s) required in 2010. This will better enable water system staff to perform their own compliance sample collection and shipping when utilizing the services of the State Laboratories Division (SLD), effective January 1, 2011 rather than the originally scheduled date of January 1, 2010.

The following questions and answers outline the changes being implemented to the compliance monitoring program.

QI *How will compliance samples for those previously sent to the SLD be collected in 2010?*

AI Hawaii and Maui Departments of Water Supply and Kauai Department of Water

Monitoring process/procedures will remain the same as in previous years except you will need to ship your collected samples directly to the SLD in Pearl City.

We will continue to coordinate the sampling calendar, ship equipment/supplies via Hawaiian Airline cargo, send you compliance sampling lists, provide downloadable chain-of-custody forms, and provide overall coordination.

AI Non-County Water Systems (all islands)

For the non-County water systems, SDWB Monitoring Section staff will be scheduling the training of your staff and the collecting of your samples. As the remaining SDWB Monitoring Section staff may not be familiar with

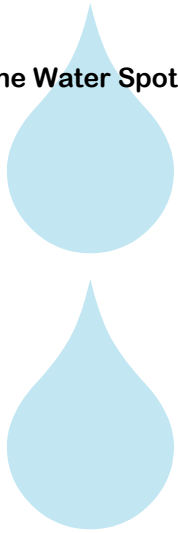
your water system, we are expecting your cooperation in accompanying our staff and identifying sampling locations for your water system.



AI Honolulu Board of Water Supply

We are working with the Honolulu Board of Water Supply (HBWS), to transfer compliance sampling responsibilities for their sources by sometime early in the third quarter of July 2010. This transition is essential to enable our remaining staff to provide hands-on training for all water systems throughout the state.

The SDWB will assist the HBWS with coordinating the sampling calendar, providing sampling equipment/supplies, sending the compliance sampling list, providing downloadable chain-of-custody forms, and providing overall coordination.



Monitoring Update

CONTINUED FROM PAGE 1

A1 New sources activated in 2010 and later

Effective January 1, 2010, the initial monitoring requirements (generally four consecutive quarters) for any new source (activated after January 1, 2010) will no longer be analyzed by the SLD. Public water systems will now be responsible for ensuring that they properly sample their newly activated sources, the analyses are done by a certified laboratory, and the lab reports are submitted by the proper deadline to avoid a violation. The SDWB Compliance Section has developed an initial monitoring fact sheet for all new sources to provide guidance in this area. When you inform us in writing that you will activate your new source, we will send you the fact sheet.

Q2 *What will happen when a recently activated source has already begun the initial monitoring requirement through the SLD?*

A2 For new, approved sources which were officially activated in 2009, by submitting written notification to the SDWB, and for which initial monitoring requirements have begun, the SDWB will complete the initial monitoring requirements for those contaminants that can be analyzed by the SLD in 2010.

Q3 *How will compliance samples for those sent to the SLD be collected after 2010?*

A3 Beginning January 1, 2011, the responsibilities for performing compliance sample collection and shipping when utilizing the services of the SLD

will be turned over to **ALL** public water systems.

This will entail that **ALL** public water systems that chose to utilize the services of the SLD, be required to assume the responsibilities for making an "appointment" with the SDWB or the SLD (this has yet to be determined) to collect and submit samples by an acceptable courier directly to the SLD in Pearl City, Oahu. While this will be very similar to how many of you submit Lead and Copper samples to the SLD, other chemical contaminants have much shorter hold times, special sample preservation and chilling requirements (i.e.: the U.S. Postal Service will not work). We suggest that in 2010, you begin making arrangements to setup an account with a courier service for delivering your sampling supplies and then to transport your samples to the SLD in Pearl City. When these challenges are coupled with the reduced lab capacity, drinking water compliance sampling and analyses will require careful planning and execution.

In 2011, the SDWB or the SLD will manage the sampling calendar and coordinate the sample schedule. The SDWB will ship equipment/supplies via Hawaiian Airline cargo or courier, charged to your account, provide you with your compliance sampling requirements for the 2011-2013 compliance period, and provide blank chain-of-custody forms.

Q4 *What should public water systems also be working on?*

A4 The SDWB Compliance

Section is also developing a monitoring waiver program. Once EPA reviews and approves the program, qualifying water systems may submit their applications to significantly reduce their required compliance monitoring for contaminants which were never used in a watershed or source water protection area and have not been detected. This program has the potential to provide significant cost savings to public water systems. We recommend that water systems begin reviewing their Source Water Assessment Reports (SWAP) and work towards the development of protection plans, as information from the SWAP Report and Protection Plans will assist in and be utilized in reviewing a water systems' qualification for monitoring waivers.

To assist in the coordination of all monitoring related activities, Monitoring Section staff have been assigned to assist public water systems as follows:

- Daniel Chang - Chemical Samples for Molokai and West Hawaii Non-County Water Systems
- David Kawahara - Chemical Samples for ALL Kauai Water Systems
- Steven Matsuda - Chemical Samples for ALL Maui Water Systems and MDWS Kaunakakai, Kalae, and Ualapue Systems



"Beginning January 1, 2011, the responsibilities for performing compliance sample collection and shipping when utilizing the services of the SLD will be turned over to ALL public water systems."

April 2010

Volume 14, Issue 2

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



Quarterly Schedule

- 4/1 Operations & Emergency Plan Due Surface Water Systems
- 4/6 ARRA Data Due Systems with ARRA loans
- 4/9 CT Report Due Surface Water Systems
- 4/9 MRDL Report Due Disinfection Systems
- 4/9 TCR Report Due Systems who complete their own tests
- 4/9 Enhanced Coagulation Report Due Conventional Treatment Systems
- 4/26-28 DSO Exam Maui, Oahu, Hilo, Kauai, & Kona
- 4/27 WTPO Applications Due July 2010 Examinees
- 5/10 CT Report Due Surface Water Systems
- 5/10 TCR Report Due Systems who complete their own tests
- 5/25 Board of Certification Meeting SDWB Honolulu Office 10:00 am
- 6/1 Start of Lead & Copper Monitoring Systems notified in March
- 6/10 CT Report Due Surface Water Systems
- 6/10 TCR Report Due Systems who complete their own tests
- 7/1 CCR Due Community Systems

May 2010

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

June 2010

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

Operator Certification

WTPO Exam Pass Rate Drops, A Little

The overall pass rate for the WTPO exam took a small step backwards from 71% last July to 64% for this January 2010. However, the Grade I pass rate remained high at 73%. Pass rates for each grade may be found in the adjacent table.

one area that is “not mastered” according to exam results.

Examinees should have received an

Grade	Passed	Examinees	Passing Rate
1	8	11	73%
2	5	10	50%
4	1	1	100%
Total	14	22	64%

Overall WTPO pass rate decreases to 64%.

Although exam specifications differ between the various grades, math problems of all varieties remain the number

individualized checklist of areas in need of improvement if they did not pass the exam. Extra efforts should be made to con-

centrate in those areas in preparation for the next examination which will be held in July 2010.

“Results of the survey were used to create the ‘Need to Know’ criteria for ABC’s Distribution Exam.”

ABC Distribution Exam Specifications

In 2008, all Distribution System Operators were notified to participate in a job analysis survey conducted by the Association of Boards of Certification (ABC). The results of the

survey were used to create the “Need to Know” criteria for ABC’s Distribution Exam. If you participated, your input was used to determine what is covered on each level of the

certification exam beginning in 2010.

Results of the survey created the following exam specifications:

	Class I	Class II	Class III	Class IV
System Design	7%-10%	10%-13%	13%-16%	15%-18%
Monitor, Adjust & Evaluate Disinfection	5%	5%	5%	5%
Comply with Drinking Water Regulations	10%-13%	10%-13%	10%-13%	10%-13%
Water Quality Parameters & Sampling	12%-15%	12%-15%	12%-15%	12%-15%
System Inspection	5%	5%	5%	5%
Install Equipment	11%-14%	9%-12%	9%-12%	6%-9%
Operate Equipment	15%-18%	16%-19%	13%-16%	13%-16%
Evaluate & Maintain Equipment	14%-17%	12%-15%	7%-10%	5%
Perform Security, Safety & Administrative Duties	12%-15%	12%-15%	17%-20%	20%-23%

Contact Operator Certification
 Contact: Jodi Yamami
 Phone: 808-586-4263
 Fax: 808-586-4351
 Email: jodi.yamami@doh.hawaii.gov
www.hawaii.gov/drinkingwater/opcert

Math Whiz



1. A new well with an 8 inch casing diameter and a 150 ft length filled with water requires disinfection with a chlorine dosage of 100 mg/L. How many pounds of chlorine is required?
2. What is the flow in gpm if water is flowing thru a pipe at 3.24 ft³/s?
3. What is the chlorine dosage if a chlorinator is set on 56 lbs/day and 10 MGD is treated?
4. A reservoir has an average width of 90 ft, an average length of 250 ft and an average depth of 15 ft. What is the estimated volume of the reservoir?
5. What is the pressure in psi at the bottom of a tank filled with 50 ft of water?

Answers: (1) 0.33 lbs, (2) 1454 gpm, (3) 0.67 mg/L, (4) 2,524,500 gal, (5) 21.65 psi

Source Water Protection Services from NRWA



National Rural Water Association (NRWA) now has a Hawaii Source Water Specialist and is offering **FREE** source water protection services including:

- Current inventory of potential contamination sources in your system's source water assessment area
- Updated management plan for mitigating threats to your

system's water source

- Updated contingency plan for emergency response
- Public education letters for residents in source water area

Your drinking water source protection plan is a way to protect your water source from contaminants and ensure public health while preventing illness and saving money. It is a delineation of where your water is coming from, an inven-

tory of potential threats, and a management plan to prevent, reduce or eliminate threats. An active and updated plan can help prevent disaster and incorporate a contingency plan for accidental drinking water contamination.

Have our Source Water Specialist review your assessment and update it to an active plan that serves your system. Contact NRWA's Specialist today at erinborger@gmail.com.



"NRWA now has a Hawaii Source Water Specialist and is offering free source water protection services ..."

Monitoring Update

CONTINUED FROM PAGE 2

- Melvin Tokuda - Chemical Samples for Lanai Non-County Water Systems and TCR (BACTI) Sampling for ALL Water Systems except those on the Island of Hawaii
 - Theresa McGeehan-Takieue - Chemical Samples for Hawaii Department of Water Supply and East Hawaii Non-County Water Systems and TCR (BACTI) sampling for the Island of Hawaii
 - David Kawahara, Steven Matsuda, and Melvin Tokuda - Chemical Samples for ALL Oahu Water Systems
- Monitoring Section staff will be working with water systems to

update and ensure that representative sampling points and plans have been established to meet compliance monitoring requirements. Sampling points need to be established at the source (s), entry points to distribution (EPD), and in the distribution system. Accurate locational data for the sampling points will be collected by the Monitoring Section staff using global positioning system (GPS) technology.

Sampling protocols/procedures are currently being revised and will be made available to water system personnel as they are completed. Additional class-

room training to be provided by the SDWB will include:

1. Water Systems Compliance Monitoring Requirements and Sampling Plans (mid 2010)
2. Sampling protocols/procedures for collecting and submitting samples to the SLD (Fall 2010)

Please note that the changes to the monitoring program are dependent on no further lay-offs or budget cuts and apply only to chemical samples analyzed by the SLD except Lead and Copper sampling which will remain the same. The SDWB will keep all water systems informed as implementation plans are developed.





DSO & WTPO Training

Sponsored by NRWA

APRIL 2010

Characteristics of Source Water 8:00 - 11:00am
Operate Equipment 12:00noon - 3:00pm

s	m	t	w	t	f	s
		1	2	3		
4	5 Kauai	6	7 Oahu	8 Molokai	9	10
11	12 Hilo	13 Kona	14	15 Maui #1	16	17
18	19	20	21	22	23	24
25	26 DSO EXAM	27 DSO EXAM	28 DSO EXAM	29	30	1

NEW TIMES

Characteristics of Source Water by Dale Pierson

Evaluate bacteriological, biological, chemical and physical characteristics of source water.

Operate Equipment by Steve Clark

Operate support equipment such as blowers, chemical feeders, motors, pumps and valves.

System Inspection by Rick Duncan

Perform cross connection surveys, sanitary surveys, well inspections etc.

Security and Safety Procedures by Debbie Britt

Perform security and safety procedures such as confined space entry, lock-out/tag-out, and personal protective equipment.

Drinking Water Regulations by Jerry Biberstine

Comply with Code of Federal Regulations, Title 40, Part 141 - National Primary Drinking Water Regulations.

Maintain Equipment by Frank Dunmire

Maintain chemical feeders, motors, pumps, valves, etc.

MAY 2010

System Inspection 8:00 - 11:00am
Security & Safety Procedures 12:00noon - 3:00pm

s	m	t	w	t	f	s
2	3 Kauai	4	5 Oahu	6 Molokai	7	8
9	10 Hilo	11 Kona	12	13 Maui #2	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

JUNE 2010

Drinking Water Regulations 8:00 - 11:00am
Maintain Equipment 12:00noon - 3:00pm

s	m	t	w	t	f	s
		1	2	3	4	5
6	7 Kauai	8	9 Oahu	10 Molokai	11	12
13	14 Hilo	15 Kona	16	17 Maui #1	18	19
20	21	22	23	24	25	26
27	28	29	30			

CEUs to be Reviewed

No Registration Required

FREE

More to Come July thru September

NEW KAUAI LOCATION

NEW KONA LOCATION

TWO MAUI LOCATIONS

LOCATIONS

Kauai - Aqua Engineers Conference Room, 3560 Koloa Rd., Kalaheo, Kauai, 96741

Oahu - State Laboratories Division Auditorium, 2725 Waimano Home Rd., Pearl City, Oahu, 96782

Molokai - Department of Hawaiian Homelands, Kulana Oihi Bldg., 600 Maunaloa Hwy, Kaunakakai, Molokai, 96748

Hilo - Environmental Health Services Facility Conference Room, 1582 Kamehameha Ave., Hilo, Hawaii, 96720

Kona - Keakealani Building Room 107, 79-1020 Haukapila St., Kealahou, Hawaii 96750

Maui #1 - Maui Department of Water Supply, 2nd Floor, 614 Palapala Dr., Kahului, Maui, 96732

Maui #2 - State Building Conference Room B, 54 High St., Wailuku, Maui, 96793

Phase II/Phase V Monitoring Friendly Reminders

Reminder

As the 2008–2010 compliance period comes to a close, we would like to share a few friendly reminders as you complete your Phase II and Phase V monitoring (if you have not already done so):

1. Be sure to take your samples at all the EPDs (Entry Points to Distribution) within your system that have been established and approved by SDWB. The EPDs are listed on the reminder letters which were sent to each system in February.

2. Review the *Summary of Phase II and Phase V Contaminants - Required to be Monitored for by Water Purveyor* Fact Sheet that was attached to the reminder letter. This fact sheet will clearly detail which contaminants you must test for and if you must take one or two quarterly sample(s).

3. Be sure to use a laboratory that is approved for the Phase II and Phase V contaminants which your system(s) must test for. Check the approved lab list on the SDWB website: [www.hawaii.gov/health/](http://www.hawaii.gov/health/environmental/water/sdwb/pdf/Testing_Labs.pdf)

[environmental/water/sdwb/pdf/Testing_Labs.pdf](http://www.hawaii.gov/health/environmental/water/sdwb/pdf/Testing_Labs.pdf)

4. Upon receiving your monitoring results, make a copy and either mail or fax it to SDWB. The private laboratories do not send a copy of the results to SDWB

5. All compliance monitoring is ultimately the responsibility of each purveyor. If you have questions, contact the SDWB in a timely manner. Waiting until December 30, 2010 to contact the SDWB is TOO LATE.

→ DON'T FORGET!

TC Sampling Reminder

Hawaii Public Water Systems (PWS) and affected system operators are reminded that by Safe Drinking Water Branch policy, all regulatory samples analyzed for Total Coliforms must field analyze for chlorine residual at the time that the sample is drawn. Measured residual data must be indicated on the chain of custody form. Failure to perform and document this residual monitoring may invalidate the sample or subject the PWS to a monitoring violation.



AWWA Hawaii Section
presents

36th Annual Conference
Hawaii Convention Center
May 18 - 21, 2010

Eia Ka Wai La, He Wai Ola - Here is the Water, the Water of Life

Pre-Conference, May 18, 2010

Pre-Conference Workshop A: Distribution Systems Operations
Pipe Selection, Pipe Failure Analysis, & Excavation Safety

Pre-Conference Workshop B: Advanced Water Treatment Technologies
Membranes, Carbon Adsorption, and Ultraviolet Disinfection

Check www.awwa-hi.org for details

Announcement!

DSO Test Preparation

Sponsored by OCT Academy

Oahu - March 30, 31, April 1
8:00am - 4:00pm
State Laboratories Division Auditorium
2725 Waimano Home Rd., Pearl City, Oahu

Maui - April 6, 7, 8
8:00am - 4:00pm
State Building Conference Room A
54 High St., Wailuku, Maui

- 3 day course for \$150
- 2 locations - Oahu & Maui
- CEUs to be reviewed
- Multiple choice question preparation
- Math problem preparation
- Instructor Samuel W. Elliot, CET

Announcement!

Contact Kerri Morgan at OCT to register
(866) 266-0028
www.octinc.com

OCT Academy

New Source? New Water System? Substantial Modification? - Don't Forget the Approval

Hawaii Administrative Rules, Title 11, Chapter 20, "Rules Relating to Potable Water Systems," require approval by the Director of Health for

- anyone proposing to substantially modify an existing public water system (HAR 11-20-30);
- anyone proposing to use a new source of raw water to supply a public water system (HAR 11-20-29); or
- anyone proposing to construct or use a new public water system to deliver water to any user (HAR 11-20-29.5).

For a detailed overview, please contact the SDWB for a New System Packet. General guidelines and procedures are outlined below.

1. Review and Approval of Proposed Substantial Modification to an Existing Public Water System (PWS) or New, Proposed PWS Construction Plans

If the Applicant is proposing a substantial modification to an existing water system or is

proposing to construct or use a new, proposed PWS, the Applicant must submit construction plans and other SDWB-required documentation and receive approval to construct the substantial modification.

Following a satisfactory review of the construction plans, the Applicant shall submit the cover sheet tracing for signature by the Chief, Environmental Management Division, Department of Health. The signed tracing constitutes approval of the construction plans, unless the plans are for the construction of a new, proposed PWS (see 3 below).

2. Review and Approval of New Sources of Raw Water to Supply a PWS

If the Applicant is proposing to use a new source of raw water to supply a PWS, a comprehensive engineering report of the proposed project shall be prepared and sealed by a registered engineer, and submitted to the SDWB. The report

must include all information specified in the latest revision of the "Guidelines for Preparation of Engineering Reports for New Drinking Water Sources for Regulated Public Water Systems" which may be found on our website or requested from the SDWB.

Conditional approval to use the raw water source as a drinking water source for a PWS will be provided following satisfactory interagency review, unless the raw water source is part of a new, proposed PWS (see 3 below).

If you are using a surface water or ground water under the direct influence of surface water source or alternative treatment technologies (e.g. membrane filtration, reverse osmosis, UV disinfection) to treat the raw water, it is recommended that you contact the SDWB Engineering Section, prior to preparing the Engineering Report to discuss additional requirements.

SEE DIRECTOR APPROVAL, PAGE 9

"... Rules ... require approval by the Director of Health for anyone proposing to substantially modify an existing PWS ... use a new source ... or construct or use a new PWS ..."



1. Proposed Substantial Modification to an Existing PWS

Submit:

- Construction Plans
- Other SDWB-Required Documents



Receive:

- Construction Plans signed by DOH, Environmental Management Division Chief, which constitutes Approval to Construct

2. New Raw Water Source Serving a PWS

Submit:

- Engineering Report
- Construction Plans (Non-County owned)



Receive:

- Conditional Approval to use Source to serve the PWS
- Construction Plans signed by DOH, Environmental Management Division Chief, which constitutes Approval to Construct (Non-County owned)

Director Approval

CONTINUED FROM PAGE 8

3. Review and Approval of a New, Proposed Public Water System

If the Applicant is proposing to construct or use a new, proposed PWS (publicly- or privately-owned), the Applicant shall satisfactorily demonstrate pre-construction and start-up Technical, Managerial, and Financial (TMF) capacity, in addition to meeting the requirements for construction plans and new sources of raw water to supply a PWS.

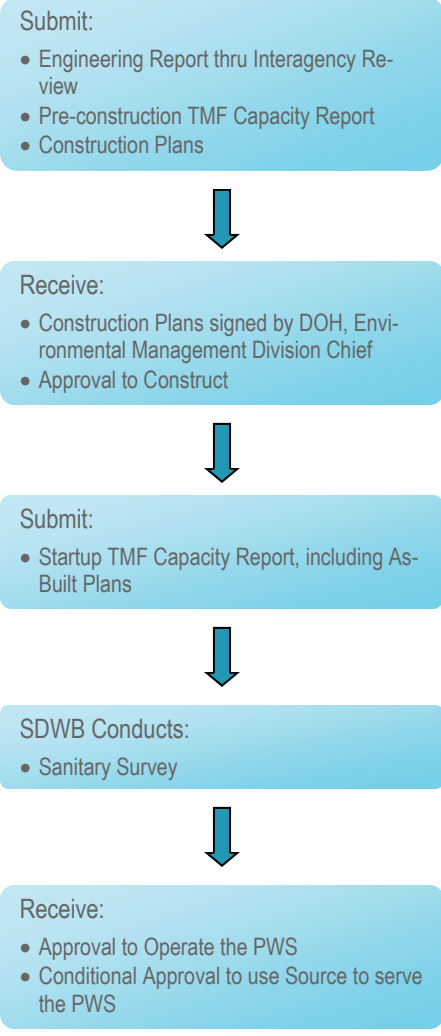
Pre-construction TMF capacity is primarily demonstrated by submittal of a report addressing the requirements of the latest edition of the "Pre-Construction Capacity Evaluation for New Community and New Nontransient Noncommunity Water Systems" which may be requested from the SDWB. Following satisfactory demonstration

of pre-construction TMF capacity, interagency review of the raw water source as a

drinking water source for a PWS



3. New PWS



and review of the construction plans for the water system, approval to construct the water system will be provided.

Start-up TMF capacity is primarily demonstrated by submittal of a report addressing the requirements of the latest edition of the "Startup Capacity Evaluation for New Community and New Nontransient Noncommunity Water Systems" which may be requested from the SDWB. Following satisfactory demonstration of startup TMF capacity, including the completion of a sanitary survey conducted by SDWB staff and submission of as-built plans of the water system, approval to operate the water system and a conditional approval to use the raw water source to supply a PWS will be provided.

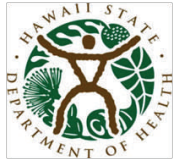
"If the Applicant is proposing to construct or use a new, proposed PWS ... the Applicant shall satisfactorily demonstrate pre-construction and start-up Technical, Managerial and Financial capacity"

CCR Deadline



July 1

Deadline for annual distribution of CCR to customers & SDWB for report covering year 2009



Hawaii State
Department of Health
Safe Drinking Water Branch

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

Phone: 808-586-4258
Fax: 808-586-4351
E-mail: SDWB@doh.hawaii.gov

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!

www.hawaii.gov/health/environmental/water/sdwb/index.html

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.

LINDA LINGLE
Governor of Hawaii

CHIYOME LEINAALA FUKINO, M.D.
Director of Health

LAURENCE K. LAU
Deputy Director for Environmental Health



F.Y.I.

SDWB Up Close - Compliance Section

Who's who in the SDWB Compliance Section?

Ann Zane, section supervisor, is responsible for the implementation of the Total Coliform Rule. She also cracks the whip in drafting violation letters and tracking public notices while generating enforcement actions for all water systems to remain in compliance.



Ann Zane

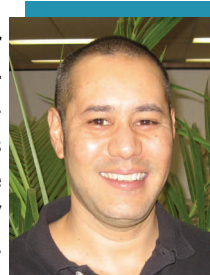
Mel Hamano, the senior member of the group, tracks the Radionuclide Rule and



Mel Hamano

DBPR compliance for all water systems. He is also the go to guy for each and every report, plan, grant application, brief and testimony the SDWB prepares.

Kumar Bhagavan implements the Phase II/Phase V Monitoring Program by tracking results, reviewing laboratory reports and providing guidance. He also reviews all annual Consumer Confidence Reports for compliance and coordinates the Approved/



Kumar Bhagavan

Certified Laboratory Program.

Enforcing the rules relating to certification of public water system operators is **Jodi Yamami**. Rules include certification and reciprocity requirements, examination protocol, and CEU/renewal procedures.



Jodi Yamami

The efforts of the Compliance Section assure that all public water systems are in compliance with state and federal rules, regulations, and requirements.