

DWSRF - A RECAP OF SFY 2022 & PLANS GOING FORWARD

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) 2022 (July 1, 2021 through June 30, 2022).

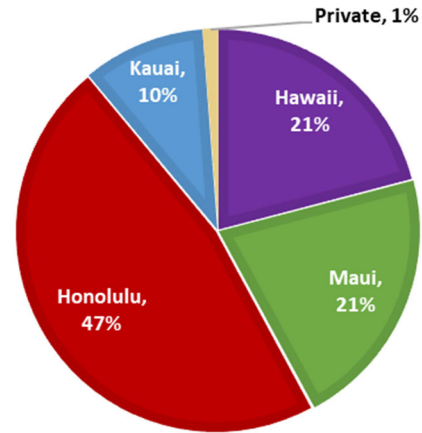
DWSRF is a federally-capitalized loan program that provides low interest loans to regulated public water systems for their eligible drinking water infrastructure projects. Since 1997, the Hawaii DWSRF has financed over \$430 million in drinking water supply projects, such as treatment plants, new drinking water sources, the replacement of aging waterlines, and storage tanks. The resulting public health benefits, water, and energy savings for over 1 million

rate paying residents Statewide, coupled with the favorable debt service opportunity for the borrower, is a win-win for all parties. In addition, DWSRF continues to provide additional subsidization (zero percent interest + principal forgiveness), to a portion of these already low interest loans to counties and other owners of public water systems that complete construction projects on schedule.

For SFY 2022, DWSRF executed \$24,980,520.00 in loans – almost half of which went to private and/or disadvantaged communities. The program continued to expand its lending portfolio, and executed four (4) DWSRF loans with privately owned water systems.

We are pleased that the DWSRF program is continuing to thrive in this “new normal”. Going forward, the DWSRF is looking to continue its support of Hawaii’s public water systems in improving their infrastructure and providing safe drinking water to our ohana here in the Islands! Read more on page 2.

LOAN AMOUNT DISTRIBUTION BY BORROWER



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OCTOBER 2022

In this issue:

Bipartisan Infrastructure Law	2	Training	6
Red Hill	3	Quarterly Calendar	7
Notifications	4	Operator Certification	8
Source Water Assessment	5	SDWB News	9

BIPARTISAN INFRASTRUCTURE LAW

HERE COMES THE BIPARTISAN INFRASTRUCTURE LAW

President Biden signed the Bipartisan Infrastructure Law (BIL), also known as the Infrastructure Investment and Jobs Act (IIJA), on November 15, 2021, which includes \$50 billion to the Environmental Protection Agency (EPA) to strengthen the nation’s drinking water and wastewater systems - the single largest investment in clean water that the federal government has ever made. A significant portion of water infrastructure dollars will flow through the Clean Water and Drinking Water State Revolving Fund (CWSRF & DWSRF) programs across the nation and territories.

A key priority of the BIL is to ensure that disadvantaged communities (DAC) benefit equitably from this historic investment in water infrastructure. DAC can include those with environmental justice concerns that are often low-income and communities of color, and experience disproportionately high exposure to pollution - whether in air, land, or water. Each funding category requires that a portion of that specific category be provided to borrowers as additional subsidy (adsub), or principal forgiveness, and each with respective restrictions.

Hawaii’s allocation is shown in the table below, however, the amount of eligible projects on each year’s Fundable List will determine Hawaii’s application for each respective funding category.

FFY	DWSRF General Supplemental (\$)	Lead Service Line Replacement (\$)	Emerging Contaminants (\$)	BIL Total (\$)	DWSRF “Base” Capitalization Grant (\$)	Overall Total (\$)
2022	17,992,000	28,350,000	7,555,000	53,897,000	7,008,000	60,905,000
2023	21,008,000	28,275,000	7,540,000	56,903,000	TBD	
2024	22,925,000	28,275,000	7,540,000	58,820,000	TBD	
2025	24,833,000	28,275,000	7,540,000	60,728,000	TBD	
2026	24,833,000	28,275,000	7,540,000	60,728,000	TBD	
AdSub amount	49%	49%	100%		26% - 35%	
AdSub restriction	DAC	25% for DAC or PWS population <25,000 persons	No restriction		12% to DAC	

With the October 16, 2024 deadline for lead service line inventories looming under the recently promulgated Lead and Copper Rule Revisions, the BIL contains dedicated funding for lead service line (LSL) identification and replacement. Any project funded under this appropriation must replace the entire LSL, not just a portion, unless a portion has already been replaced. DWSRF supplemental funding (through BIL) and base funding (traditional DWSRF capitalization grants) can also be used for LSL identification and replacement.

The BIL also provides dedicated funding to reduce people’s drinking water exposure to perfluoroalkyl and polyfluoroalkyl substances (PFAS) and other emerging contaminants, including those on EPA’s Contaminant Candidate Lists (CCL).

HERE COMES THE BIPARTISAN INFRASTRUCTURE LAW

CONTINUED FROM PAGE 2

Finally, Congress passed the Build America Buy America (BABA) Act in 2021, concurrently with BIL, establishing a domestic preference program to create long-term opportunities for domestic manufacturers and manufacturing jobs and building resilient domestic supply chains for a wide range of products. BABA expands existing American Iron and Steel (AIS) requirements for DWSRF recipients to include additional construction materials and manufactured goods. EPA plans to issue implementation procedures for BABA compliance for DWSRF programs later this year.

Helpful Links:

- ◆ BIL Homepage: <https://www.epa.gov/infrastructure>
- ◆ March 8, 2022, EPA Implementation Memorandum for BIL:
https://www.epa.gov/system/files/documents/2022-03/combined_srf-implementation-memo_final_03.2022.pdf
- ◆ State by State Allocations:
<https://www.epa.gov/system/files/documents/2021-12/fy-2022-bil-srfs-allotment-summary-508.pdf>
- ◆ April 18, 2022 Office of Management and Budget (OMB) Guidance on BABA:
<https://www.whitehouse.gov/wp-content/uploads/2022/04/M-22-11.pdf>
- ◆ FAQs webpage (updated 7/14/22, also see tabulated version):
<https://www.epa.gov/dwsrf/frequent-questions-about-bil-state-revolving-funds>

RED HILL WATER INFORMATION [LINK TO OFFICIAL INFORMATION](#)



Following a tour of the Red Hill Shaft Pump Room and Bulk Fuel Storage Facility, the SDWB toured Aliamanu Military Reservation facilities. L-R: Barry Pollack (EPA R9 Water Division), Stefanie Weaver, David Brixius (Army DPW), Joanna Seto (EMD), Iris van der Zander, Dennis Lopez, Mary Helen Cathcart, Megan Birdsall, Kelly Ann Lee (Red Hill Project Coordinator), Corine Li (EPA R9 Water Division), Mike Miyahira, Joan Corrigan, David Kawahara, Seila Aroni, Melvin Tokuda

Hurricane Response Tools from US EPA

Prepare - Respond - Recover

EMERGENCY RESPONSE TOOLS AND RESOURCES

<https://www.epa.gov/waterutilityresponse>

HURRICANE INCIDENT ACTION CHECKLIST

https://www.epa.gov/system/files/documents/2021-10/incident-action-checklist-hurricanes_508c-final.pdf

RESPONSE ON-THE-GO APP

<https://www.epa.gov/waterutilityresponse/water-utility-response-go-mobile-application>

2020-2022

Phase II/V Compliance Period Ending Soon

The SDWB strongly recommends sampling before Thanksgiving to avoid issues with scheduling or shipping.

OPERATOR JOB POSTINGS

HAWAII WATER SERVICE

BIG ISLAND & MAUI

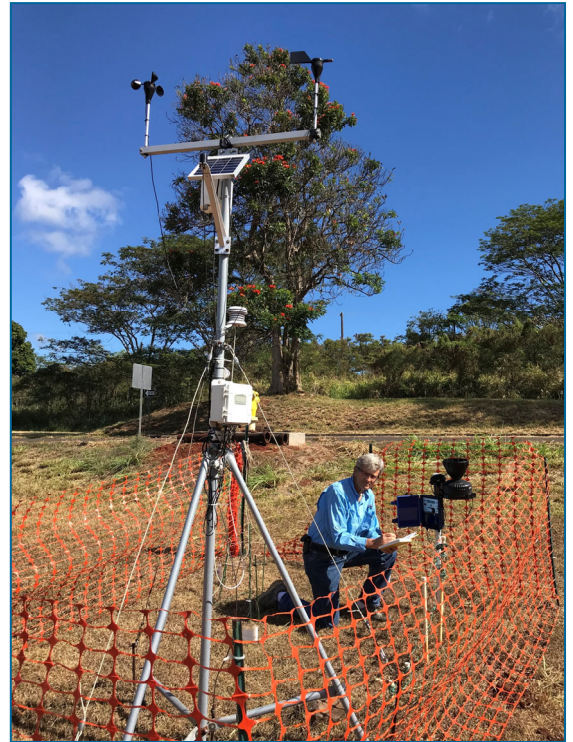
- ◆ Operations Foreman - 2 of 3 certifications required
WTPO 1, DSO 1, WW 2
- ◆ Utility Worker(s) - 1 certification preferred but not required

Application Deadline is Open Until Filled at

<https://calwatergroup.wd5.myworkdayjobs.com/CWSG>

ULUAKUPU HYDROLOGIC MONITORING STATION

The Source Water Assessment Program (SWAP) is required to delineate the boundaries of areas providing source waters for public water systems and identify the origins of regulated and unregulated contaminants in the delineated area to determine the susceptibility of public water systems to such contaminants. SWAP relies on computer models of groundwater flow to evaluate the areas from which our drinking water wells draw water. The computer model outputs allow the Department of Health (DOH) and the public water systems to focus contamination reduction efforts in these areas.



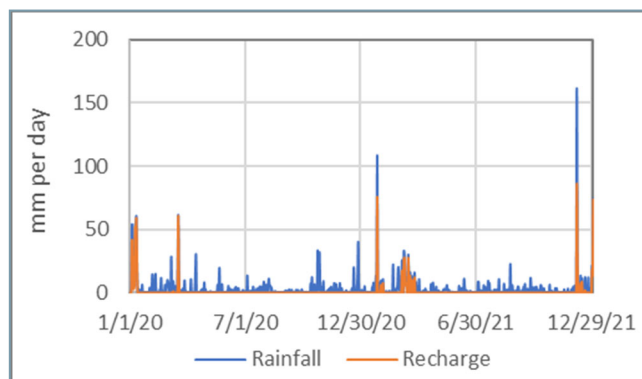
Bob collects data from his hydrologic monitoring station.

The Uluakupu Hydrologic Monitoring Station, designed and constructed by SWAP Geologist, Bob Whittier was

put into service on 11/13/2019 to aid in the collection of critical data needed to refine DOH groundwater models. The monitoring station consists of three components.

- ◆ The weather station component collects temperature, rainfall, wind speed, wind direction, and relative humidity data that are used to compute groundwater recharge.
- ◆ The soil component measures soil water content to validate the recharge calculations.
- ◆ The sample collection component allows collection of rainfall and soil water for chemical analysis.

Data gathered from the monitoring station are key components in determining the amount and chemical makeup of the groundwater recharge which in turn becomes the



Rainfall and Calculated Groundwater Recharge in 2020-2021

primary input to the computer models studied in SWAP.

As the sun rises, the SDWB begins each day with Bob, our very own extraordinary scientist, collecting data from his monitoring station. Thank you, Bob, for your part in keeping our water safe to drink.

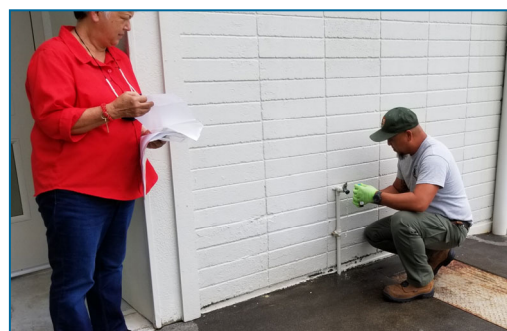
SDWB RESUMES IN-PERSON DRINKING WATER SAMPLER TRAINING

With the easing of travel restrictions, the SDWB has returned to conducting in-person Drinking Water Sampler Training. The first training was conducted on August 9, in Hilo at the Hawaii County Office of Aging. Participants from 5 different public water systems attended the training. Training in Kona followed on August 24.

Sessions covered in the interactive training were rules and regulations governing drinking water, use of the online sample collection reservation system, documenting and recording sample information, chemical drinking water sample collec-

tion, free chlorine residual testing, accessing online laboratory results, and hands-on drinking water sampling.

Attendees enjoyed that the training was a group driven event with everyone contributing to the knowledge that was shared.



Theresa observes at the sampler training in Hilo.

RCAC CEUs for Water System Operators

Contact sjamerson@rcac.org for information.

Course	Date	Location
Source Water Assessment and Protection 0.2 CEUs (2 contact hours)	10/5/22	Live-Virtual

HRWA CEUs for Water System Operators

Contact hrwaoffice@hawaiiirwa.org or 808-315-8925 for information.

Course	Date	Location
Chlorine Analyses for Drinking Water 0.4 CEUs (4 contact hours)	10/6/22	Waikoloa
Advanced Water Treatment Training 0.6 CEUs (6 contact hours)	10/26&27/22	Live-Virtual
Effective Communications for Supervisors 0.2 CEUs (4 Contact Hours)	12/6/22 12/8/22	Live-Virtual

QUARTERLY CALENDAR

◆ **10/4-7 WTPO 1-2 Exam Prep**

Live-Virtual

◆ **10/10 CT Report Due**

Surface Water Systems

◆ **10/10 MRDL Report Due**

Disinfection Systems who complete their own tests

◆ **10/10 TCR Report Due**

Systems who complete their own tests

◆ **10/10 Chemical Quarterly Monitoring Report Due**

Systems with quarterly monitoring requirements

◆ **10/11-14 DSO 3-4 Exam Prep**

Live-Virtual

◆ **10/17-20 DSO 1-2 Exam Prep**

Oahu & Live-Virtual

◆ **10/24 Kona & Molokai Exam**

◆ **10/24 DSO/WTPO Applications & Exam Registrations Due**

January Examinees

◆ **10/25 Hilo & Kauai Exam**

◆ **11/10 CT Report Due**

Surface Water Systems

◆ **11/10 TCR Report Due**

Systems who complete their own tests

◆ **11/16 DSO & WTPO Renewals Due**

Operators whose last names begin with L-Z

◆ **11/22 Board of Certification Meeting**

SDWB Pearl City, 10:00 am

◆ **12/9 CT Report Due**

Surface Water Systems

◆ **12/9 TCR Report Due**

Systems who complete their own tests

◆ **12/31 Phase II/V Compliance Period Ends**

OCTOBER 2022

Sun	Mon	Tue	Wed	Thu	Fri	Sat
2	3	4 WTPO 1-2 Exam Prep	5 WTPO 1-2 Exam Prep	6 WTPO 1-2 Exam Prep	7 WTPO 1-2 Exam Prep	8
9	10 CT Report Due MRDL Report Due TCR Report Due Chemical Quarterly Monitoring Report Due	11 DSO 3-4 Exam Prep	12 DSO 3-4 Exam Prep	13 DSO 3-4 Exam Prep	14 DSO 3-4 Exam Prep	15
16	17 DSO 1-2 Exam Prep	18 DSO 1-2 Exam Prep	19 DSO 1-2 Exam Prep	20 DSO 1-2 Exam Prep	21	22
23	24 Kona & Molokai Exam DSO/WTPO Applications & Exam Registrations Due	25 Hilo & Kauai Exam	26	27	28	29
30	31					

NOVEMBER 2022

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

DECEMBER 2022

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

DSO & WTPO EXAMS

During the past quarter, both DSO and WTPO pass rates dropped significantly. The results shown in the table below separate each grade level statistics. Although the overall pass rates were low, the majority of the examinees were just points away from passing. All examinees are encouraged to re-take the exam during the next testing session.

Congratulations to those who passed! And to those who sign up to re-take the exam, keep up the study habits for a positive result next time.

DSO Exam				WTPO Exam			
Grade	Passed	Examinees	Passing Rate	Grade	Passed	Examinees	Passing Rate
1	2	10	20%	1	0	2	0%
2	0	4	0%	2	1	1	100%
3	0	2	0%	3	--	--	--
4	1	5	20%	4	0	1	0%
Total	3	21	14%	Total	1	4	25%

NOVEMBER 22, 2022
10:00 A.M.
SDWB PEARL CITY OFFICE

MEETING

Board of Certification of
Public Water System Operators

BOARD MEMBERS

Glenn Ah Yat - James Landgraf
Guy Moriguchi
Mark Prescott - Jodi Yamami

HRWA Exam Prep

WTPO 1 & 2

October 4-7 ♦ 8:00 - 12:00 ♦ Virtual

DSO 3 & 4

October 11-14 ♦ 8:00 - 12:00 ♦ Virtual

DSO 1 & 2

October 17-20 ♦ 7:30 - 3:30 ♦ Oahu & Virtual

hrwaoffice@hawaiiwa.org or 808-315-8925

CERTIFICATION RENEWALS DUE

DSO and/or WTPO certifications expire November 30, 2022 for operators whose last names begin with the letters L-Z. If needed, please submit any CEU Requests by October 22 in time for Board review.

Don't delay in renewing. After December 31, 2022, the renewal fee increases. After November 30, 2023, you will lose your certification and will need to re-take and pass the exam to become certified again.

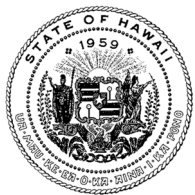
**DSO & WTPO
RENEWALS
DUE
11/16/2022**



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

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E-mail: SDWB@doh.hawaii.gov



DAVID Y. IGE
Governor of Hawaii

ELIZABETH A. CHAR, M.D.
Director of Health

KATHLEEN S. HO
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.

CONGRATULATIONS NORRIS

For 31 years, the SDWB has been blessed with the diligent efforts of Norris Uehara. After his August 31 retirement date, we have missed his positive attitude and attention to detail, but mostly, we miss Norris, our dear friend. Norris started with the State in 1991 and joined the then newly developed SDWB as a Geologist, eventually becoming the UIC Program Section Supervisor. SDWB Branch Chief, Dennis Lopez noted, "Norris' even and calm temperament could always be counted on when interacting with both staff and the regulated community."

When asked what his plans were for retirement, nothing specific came to mind because he has been solely focused on ensuring the successful continuation of the UIC Program objectives, remaining true to character until his last day on the job.

Thank you, Norris for all that you have done for the SDWB. We truly wish that retirement treats you well! Mahalo and a hui ho!



Norris celebrates retirement with the UIC Section, Iris and Mark