

STATE OF HAWAII  
DEPARTMENT OF HEALTH  
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WRITTEN  
TESTIMONY  
ONLY

In reply, please refer to:  
File:

**Testimony in SUPPORT of SB0285 SD1  
RELATING TO WASTEWATER SYSTEMS**

SENATOR DONOVAN M. DELA CRUZ, CHAIR  
SENATE COMMITTEE ON WAYS AND MEANS

Hearing Date: 2/28/2023

Room Number: 211

1 **Fiscal Implications:** This measure may impact the priorities identified in the Governor's  
2 Executive Budget Request for the Department of Health's (Department) appropriations and  
3 personnel priorities. The measure establishes two full-time equivalent (2 FTE) positions within  
4 the Department's Wastewater Branch.

5 **Department Testimony:** The Department supports this measure that involves establishing and  
6 appropriating funds to implement a three-year demonstration pilot program within the University  
7 of Hawaii Water Resources Research Center to review, examine, and demonstrate new  
8 wastewater systems. The Department recognizes that there is a need for researching and testing  
9 new wastewater system options that may be affordable alternatives for cesspool conversions and  
10 upgrades. The Department also supports the establishment of one full-time equivalent engineer  
11 position and one full-time equivalent planner position within the Department's Wastewater  
12 Branch to support the review and approval of individual wastewater system (IWS) applications.  
13 The Department anticipates a significant increase in the number of IWS applications that will be  
14 submitted as a result of the mandate to convert, upgrade or connect all cesspools in the State by  
15 2050 pursuant to Act 125, Session Laws of Hawaii 2017.

16 Thank you for the opportunity to testify.

17 **Offered Amendments:** None.



# UNIVERSITY OF HAWAII SYSTEM

## ‘ŌNAEHANA KULANUI O HAWAII

### Legislative Testimony

### Hō'ike Mana'o I Mua O Ka 'Aha'ōlelo

Testimony Presented Before the  
Senate Committee on Ways and Means  
Tuesday, February 28, 2023 at 10:00 a.m.

By

Thomas Giambelluca

Director, UH Water Resources Research Center

And

Darren T. Lerner, PhD

Director, University of Hawai'i (UH) Sea Grant College Program,

School of Ocean and Earth Science and Technology

And

Michael Bruno, Provost

University of Hawai'i at Mānoa

#### SB 285 SD1 – RELATING TO WASTEWATER SYSTEMS

Chair Dela Cruz, Vice Chair Keith-Agaran, and Members of the Committee:

The University of Hawai'i Water Resources Research Center and UH Sea Grant College Program (Hawai'i Sea Grant) **strongly support** SB 285 SD1, provided that its passage does not impact priorities as indicated in our Board of Regents Approved Budget.

The State of Hawai'i has shown its intention to improve water quality, mitigate drinking water risks, and join the other 49 states in addressing the known impacts of cesspools. However, Hawai'i's 88,000 cesspool owners are faced with a paradox, the State's approved list of replacement options includes systems such as Aerobic Treatment Unit's (ATU), which are effective at reducing nutrients but come with a high cost, or septic systems, which are less expensive but have been shown to have limited nutrient removal efficiency in Hawai'i's coastal environments.

The lack of affordable, effective technology options is a major impediment to Hawai'i's water quality improvement goals, and has the potential to result in a huge investment yielding little in return. This bill would leverage the University of Hawai'i's extensive research expertise to create an innovative pilot program that would test the safety and efficiency of new and emerging on-site wastewater technologies, determine which are best suited for Hawai'i's unique conditions, and ultimately support the Hawai'i Department of Health in approving new, more effective and less costly technologies for large-scale implementation.

While we can not delay the process of replacing cesspools, a multi-pronged approach including policy changes, creating new financing options, and technology development is needed to successfully address this complex and challenging issue.

Additionally, since the bill delegates responsibility to the University of Hawai'i Water Resources Research Center (UH WRRC), it is worth noting that UH WRRC has significant experience in providing the state with useful research specifically relating to the impacts of cesspools and wastewater. This is demonstrated by our recently developed Hawai'i Cesspool Prioritization Tool created with the Hawai'i Department of Health, our wastewater outflow biomonitoring program that has continued for more than a decade with the City and County of Honolulu, and our faculty's numerous reports and publications that provide critical information on the water quality impacts of wastewater in the environment.

Additionally, we strongly support the appropriation of funds for two full-time equivalent (2.0 FTE) positions within the Hawai'i Department of Health's Wastewater Branch, which is in critical need of expansion in their personnel capacity in order to support the statewide transition away from cesspools.

Thank you for the opportunity to testify on this measure.



STATE OF HAWAII  
HAWAII CLIMATE CHANGE MITIGATION & ADAPTATION  
COMMISSION  
POST OFFICE BOX 621  
HONOLULU, HAWAII 96809

**Co-Chairs:**  
Chair, DLNR  
Director, OPSD

**Commissioners:**  
Chair, Senate AEN  
Chair, Senate WTL  
Chair, House EEP  
Chair, House WAL  
Chairperson, HTA  
Chairperson, DOA  
CEO, OHA  
Chairperson, DHHL  
Director, DBEDT  
Director, DOT  
Director, DOH  
Chairperson, DOE  
Director, C+C DPP  
Director, Maui DP  
Director, Hawai'i DP  
Director, Kaua'i DP  
The Adjutant General  
Manager, CZM

**Testimony of  
Leah Laramee  
Coordinator, Hawai'i Climate Change Mitigation and Adaptation Commission**

**Before the Senate Committee on  
WAYS AND MEANS**

**Tuesday, February 28, 2023  
10:00 AM**

**State Capitol, Via Videoconference, Conference Room 211**

**In support of  
Senate Bill 285 Senate Draft 1  
RELATING TO WASTEWATER SYSTEMS**

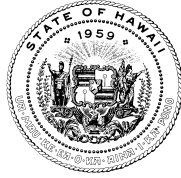
Senate Bill 285 SD1 establishes a three-year New Wastewater System Demonstration Pilot Program within the University of Hawai'i Water Resources Research Center (UH WRRC) and a ranking system for prioritization for the islands of Moloka'i, Lana'i, and Ni'ihau. Requires the UH WRRC to submit reports to the Legislature and appropriates funds and positions. **The Hawai'i Climate Change Mitigation and Adaptation Commission (Commission) supports this measure.**

The Hawai'i Climate Change Mitigation and Adaptation Commission consists of a multi-jurisdictional effort between 20 different departments, committees, and counties. Removal of cesspools for all properties within the Sea Level Rise Exposure Area (SLR-XA), is imperative to the health of nearshore waters and for members of the public accessing coastal resources. Removal may not be achievable by 2050 as directed by state law without viable alternatives for replacement. The Commission's 2022 update to the *Sea Level Rise Vulnerability and Adaptation Report* Recommended Action 6.1.1 states that the state should sponsor research and development efforts to expand affordable and actionable conversion options for shoreline property owners and options should account for SLR-XA projections of coastal erosion and associated land loss, and potential failure of sewage treatment systems due to sea level rise groundwater inundation.

Cesspools in the coastal zone will be an increasing source of nonpoint source pollution as groundwater rises and coastal erosion accelerates. The *Sea Level Rise Vulnerability and Adaptation Report* Recommended Action 6.4 urges the state to expand policy directives beyond the existing income tax credits and requirement for removal by 2050. Specifically, policy must address existing cesspools in the coastal zone in relation to enforcement of existing laws and regulations and removal of unpermitted shoreline hardening. Mahalo for the opportunity to testify in support of this measure.

**JOSH GREEN, M.D.**  
GOVERNOR  
STATE OF HAWAII  
*Ke Kia 'āina o ka Moku 'āina 'o  
Hawaii 'i*

**SYLVIA J. LUKE**  
LT. GOVERNOR  
STATE OF HAWAII  
*Ka Hope Kia 'āina o ka Moku 'āina  
'o Hawaii 'i*



**IKAIKA ANDERSON**  
CHAIRMAN DESIGNATE, HHC  
*Ka Luna Ho 'okele*

**KATIE L. DUCATT**  
DEPUTY DESIGNATE TO THE  
CHAIRMAN  
*Ka Hope Luna Ho 'okele*

**STATE OF HAWAII  
DEPARTMENT OF HAWAIIAN HOME LANDS**

*Ka 'Oihana 'Āina Ho 'opulapula Hawaii 'i*

P. O. BOX 1879  
HONOLULU, HAWAII 96805

**TESTIMONY OF IKAIKA ANDERSON, CHAIRMAN-DESIGNATE  
HAWAIIAN HOMES COMMISSION  
BEFORE THE SENATE COMMITTEE ON WAYS AND MEANS  
DECISION MAKING ON FEBRUARY 28, 2023 AT 10:00AM IN CR 211**

**SB 285, SD 1 RELATING TO WASTEWATER SYSTEMS**

February 28, 2023

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran, and members of the Committee:

The Department of Hawaiian Home Lands supports this measure which establishes a three-year New Wastewater System Demonstration Pilot Program within the University of Hawaii Water Resources Research Center to examine and demonstrate new wastewater technology systems; implement those technologies in demonstration projects in areas across the State that are identified as Priority Level 1 in the 2021 Hawaii Cesspool Hazard Assessment and Prioritization Tool Report; and establishes a similar ranking system for prioritization levels for the islands of Molokai, Lanai, and Ni'ihau. The measure also appropriates funds for FTE positions within the Department of Health's Wastewater Branch to support approval of individual wastewater systems applications.

Approximately 2,500 cesspools exist on Hawaiian Home Lands. Pursuant to Act 125 (SLH 2017), these cesspools are required to be converted to a septic system or aerobic treatment unit system or connected to a sewerage system before January 1, 2050.

DHHL supports the establishment of a three-year New Wastewater System Demonstration Pilot Program because it will provide the opportunity for alternative, financially feasible, and effective wastewater technologies to be evaluated and published in reports for DHHL, current lessees residing on HHL, and potential beneficiaries to understand the challenges and financial costs of cesspool conversions and wastewater technologies.

The pilot program will also require that these technologies be implemented in areas across the State that are identified as Priority Level 1 in the 2021 Hawaii Cesspool Hazard Assessment and Prioritization Tool Report, many of which are located on Hawaiian Home Lands. The department supports fully comprehensive data and new technology demonstrations that will include the islands of Molokai, Lanai, and Ni'ihau.

DHHL understands that there are approximately 88,000 cesspools statewide that will require cesspool conversion approvals. DHHL supports the appropriation of funds for FTE positions within the Department of Health's Wastewater Branch to support the approval of individual wastewater systems applications, due to the administrative demand that this legislative requirement places on DOH for the 88,000 cesspools statewide. DHHL is also aware that the State currently has a shortage of licensed engineers to execute the design plans and final construction inspections required by Act 125 (SLH 2017).

DHHL understands that there is no simple, one method fits all ahupua'a (land division) solution toward addressing the cesspool conversion and wastewater needs of the State of Hawaii and we support this measure that will initiate the implementation of the diverse and feasible ways in which the requirements outlined in Act 125 (SLH 2017) can be completed.

Thank you for your consideration of our testimony.



## Environmental Caucus of The Democratic Party of Hawai'i

To: The Honorable Donovan M. Dela Cruz, Chair  
The Honorable Gilbert S.C. Keith-Agaran, Vice Chair  
Members of the Committee on Ways and Means

Re: **SB 285, SD1 – RELATING TO WASTEWATER SYSTEMS**

Hearing: Tuesday, February 28, 2023, 10:00 a.m., Conference Room 211 & Videoconference

Position: **Strong support**

Aloha, Chair Dela Cruz, Vice Chair Keith-Agaran, and Members of the Committee on Ways and Means:

The Environmental Caucus of the Democratic Party of Hawai'i with its 7,500 voting enrolled members, stands in strong support of SB 285, SD1. This measure would establish a three-year New Wastewater System Demonstration Pilot Program within the University of Hawaii Water Resources Research Center to examine and demonstrate new wastewater technology systems; implement those technologies in demonstration projects in areas across the State that are identified as Priority Level 1 in the 2021 Hawaii Cesspool Hazard Assessment and Prioritization Tool Report; and establish a similar ranking system for prioritization levels for the islands of Molokai, Lanai, and Niihau. It would require the University of Hawaii Water Resources Research Center to submit reports to the Legislature. This measure would also appropriate funds for the pilot program.

The Democratic Party of Hawai'i Platform plank on the environment provides that its members are to "protect and preserve Hawai'i's environment and achieve energy sustainability, advance measures to re-establish a healthy climate and environment for humans and fellow species, including actions to urgently address climate change, and work towards 100% renewable energy goals.

We believe that all people have the right to live in a clean, healthy and safe environment. We believe that the preservation of our natural environment and its ecological well-being is essential to ensuring a safe, healthy, bountiful life for future generations in Hawai'i. We support policies that create a more sustainable society. We support the restoration, preservation, and protection of native ecosystems.

We believe in the resource management principles outlined in the Public Trust doctrine of [Article XI, Section 1 of] the Hawai'i State Constitution." [OUR PLATFORM | DPH \(hawaiidemocrats.org\)](#)

Hawaii currently has an official goal to replace all its cesspools with better sewage treatment systems that cause less harm to the local environment and public health by 2050; however, as many as 83,000 cesspools release about 53 million gallons of untreated sewage into the islands' soil, streams and nearshore waters daily making the 2050 deadline too late to prevent substantial harm.

In the Report of the [Cesspool Conversion Working Group](#), nearly 14,000 of the worst Hawaii cesspools – the ones that would potentially cause the most damage based on their location – are to be removed by 2030; followed by more than 12,000 "priority two" cesspools to be removed by 2035; and the remaining "priority three" 55,000 cesspools are to be removed by the original 2050 deadline.



February 28, 2023  
Page 2

“There are no benefits to human health or the environment if homeowners wait or postpone conversion until closer to the 2050 ... deadline,” the 17-member task force of scientists, public health officials, private industry representatives, elected leaders and environmental advocates wrote in a new 1,182-page report to the Legislature. [Microsoft Word - Cesspool Conversion Plan Draft Final-copy-blue wave-FINAL use this one \(hawaii.gov\)](#)

Establishing a three-year New Wastewater System Demonstration Pilot Program within the University of Hawaii Water Resources Research Center to examine and demonstrate new wastewater technology systems; implement those technologies in demonstration projects in areas across the State that are identified as Priority Level I in the 2021 Hawaii Cesspool Hazard Assessment and Prioritization Tool Report; and establish a similar ranking system for prioritization levels for the islands of Molokai, Lanai, and Niihau; requiring the University of Hawaii Water Resources Research Center to submit reports to the Legislature; and appropriating funds for the pilot program are all consistent with the state and counties' duties under the Public Trust Doctrine under Article XI, Section 1, of the Hawaii State Constitution, and the DPH Platform environmental plank to restore, preserve, and protect our native ecosystem.

Please support and pass this bill.

Mahalo for the opportunity to testify on this measure.

/s/ Melodie Aduja and Alan Burdick  
Co-Chairs, Environmental Caucus of the Democratic Party of Hawai'i





To: The Honorable Chair Donovan DelaCruz, Vice Chair Keith-Agaran, and Members of the Committee on Ways and Means

From: Hawai'i Reef and Ocean Coalition (by Ted Bohlen)

Re: Hearing SB285 SD1 **RELATING TO WASTEWATER SYSTEMS**

Hearing: Tuesday February 28, 2023 10:00 a.m.

Aloha Chair DelaCruz, Vice Chair Keith-Agaran, and members of the Committee:

The Hawai'i Reef and Ocean Coalition (HIROC) is a group of scientists, educators, filmmakers and environmental advocates who have been working since 2017 to protect Hawaii's coral reefs and ocean.

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**The Hawai'i Reef and Ocean Coalition STRONGLY SUPPORTS SB285 SD1!**

Hawai'i has a public health problem with water pollution from cesspools. We have over 80,000 cesspools that discharge about 50 million gallons of raw sewage into our groundwater every day! Sea level rise will exacerbate the public health problems as it will cause some more cesspools to overflow onto the ground. The recent report of the Legislature's appointed cesspool conversion working group recommended, among other things, that we upgrade the cesspools that cause the most pollution (Priority Level 1) by 2030 and provide additional resources to DOH.

This bill would establish a three-year New Waste Management Solution and Cesspool System Demonstration Pilot Program within the University of Hawai'i Water Resources Research Center to examine and demonstrate new wastewater and cesspool technology systems; implement those technologies in demonstration projects in areas across the State that are identified as Priority Level 1 in the 2022 Hawai'i Cesspool Hazard Assessment and Prioritization Tool Report; and establish a similar ranking system for prioritization levels for the islands of Molokai, Lanai, and Niihau.

**HIROC strongly supports this plan!** Implementation of new technologies is likely to be an important part of the solution to Hawaii's wastewater problem, especially if it implements technologies that are effective and affordable.

This bill could benefit the public health, water quality, homeowners, and everyone in Hawai'i by improving the State's implementation of much-needed cesspool conversions.

Thank you for the opportunity to testify!

Please pass this bill!

Mahalo!

Hawai'i Reef and Ocean Coalition (by Ted Bohlen)

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February 28, 2023

**The Honorable Donovan Dela Cruz, Chair**

Senate Committee on Ways and Means

State Capitol, Conference Room 211 & Videoconference

**RE: Senate Bill 285, SD1, Relating to Wastewater Systems**

**HEARING: Tuesday, February 28, 2023, at 10:00 a.m.**

Aloha Chair Dela Cruz, Vice Chair Keith-Agaran, and Members of the Committee:

My name is Lyndsey Garcia, Director of Advocacy, testifying on behalf of the Hawai'i Association of REALTORS® ("HAR"), the voice of real estate in Hawai'i and its over 11,000 members. HAR **strongly supports** Senate Bill 285, SD1, which establishes a three-year New Wastewater System Demonstration Pilot Program within the University of Hawaii Water Resources Research Center to examine and demonstrate new wastewater technology systems; implement those technologies in demonstration projects in areas across the State that are identified as Priority Level 1 in the 2021 Hawaii Cesspool Hazard Assessment and Prioritization Tool Report; and establish a similar ranking system for prioritization levels for the islands of Molokai, Lanai, and Niihau. Requires the University of Hawaii Water Resources Research Center to submit reports to the Legislature. Appropriates funds for the pilot program. Appropriates funds for one full-time equivalent (1.0 FTE) engineer position and one full-time equivalent (1.0 FTE) planner position within the Department of Health's Wastewater Branch to support approval of individual wastewater systems applications.

Hawai'i Association of REALTORS® supports the goal of protecting our drinking water, streams, ground water, and ocean resources. We recognize that cesspool conversion is important to preserve our environment. There are approximately 83,000 cesspools divided into three priorities<sup>1</sup> across the state (48,596 on Hawai'i Island; 14,300 on Kauai; 11,038 on Maui; 1,400 on Molokai; and 7,491 on O'ahu) with only 27 years to meet the state's mandate to convert all cesspools to a Director of Health approved wastewater system. To convert 83,000 cesspools by 2050, at least 3,000 cesspools would need to be converted per year.

Affordability and financial planning are key. The Cesspool Conversion Working Group conducted an affordability analysis for homeowners. Based on the analysis,

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<sup>1</sup> University of Hawai'i Sea Grant College Program. *Hawai'i Cesspool Prioritization Tool*.  
<https://seagrant.soest.hawaii.edu/cesspools-tool/>

97%<sup>2</sup> of homeowners would be financially burdened by cesspool conversion costs. Equally concerning, even with a \$10,000 rebate 82% of homeowners would still be financially burdened. Costs to convert will vary greatly depending on resources, labor, permitting delays, property terrain, and other variables. Most homeowners will not be able to afford to do this alone. It is crucial that we properly plan and find ways to assist communities and homeowners as resources and manpower are limited, especially on the neighbor islands and rural communities.

As such, new wastewater and cesspool technology systems would be an important solution to help the State reach the goal of converting 83,000 cesspools by 2050, especially for communities with limited infrastructure. We applaud the [state legislature](#) for taking leadership on this matter through the establishment of this pilot program.

For the foregoing reasons, Hawai'i Association of REALTORS® strongly supports this measure. Mahalo for the opportunity to testify.

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<sup>2</sup> Cesspool Conversion Working Group. (2022). *Final Report to the 2023 Regular Session Legislature*. State of Hawai'i Department of Health. <https://health.hawaii.gov/opppd/files/2022/12/Act-170-SLH-2019-Nov-2022.pdf>



Email: [communications@ulupono.com](mailto:communications@ulupono.com)

SENATE COMMITTEE ON WAYS & MEANS  
Tuesday, February 28, 2023 — 10:00 a.m.

**Ulupono Initiative supports SB 285 SD1, Relating to Wastewater Systems.**

Dear Chair Dela Cruz and Members of the Committee:

My name is Micah Munekata, and I am the Director of Government Affairs at Ulupono Initiative. We are a Hawai'i-focused impact investment firm that strives to improve the quality of life throughout the islands by helping our communities become more resilient and self-sufficient through locally produced food, renewable energy and clean transportation choices, and better management of freshwater resources.

**Ulupono supports SB 285 SD1**, which establishes a three-year New Wastewater System Demonstration Pilot Program within the University of Hawai'i Water Resources Research Center to examine and demonstrate new wastewater technology systems; implement those technologies in demonstration projects in areas across the State that are identified as Priority Level 1 in the 2021 Hawai'i Cesspool Hazard Assessment and Prioritization Tool Report; establish a similar ranking system for prioritization levels for the islands of Molokai, Lana'i, and Ni'ihau; requires the University of Hawai'i Water Resources Research Center to submit reports to the Legislature; appropriates funds for the pilot program; and, appropriates funds for one full-time equivalent (1.0 FTE) engineer position and one full-time equivalent (1.0 FTE) planner position within the Department of Health's Wastewater Branch to support approval of individual wastewater systems applications.

Ulupono supports finding innovative solutions to transition Hawai'i's waste management from cesspools to other environmentally friendly alternatives. Hawai'i has more than 88,000 cesspools statewide that discharge more than 53 million gallons of untreated sewage into the state's waters each day. This poses major health and environmental risks to our drinking water, groundwater, streams, and shore waters. The information gathered and analyzed through demonstration projects can serve as valuable tools in transitioning Hawai'i's cesspool systems.

Thank you for the opportunity to testify.

Respectfully,

Micah Munekata  
Director of Government Affairs

*Investing in a Sustainable Hawai'i*



**LATE**

Feb. 26, 2023

In Support of **SB285 SD1** Relating to Wastewater Systems  
Senate Committee on Ways And Means (WAM)  
Hearing on Feb. 27, 10am, Rm. 211

Aloha, Chair Dela Cruz, Vice-Chair Keith-Agaran and Members of the Committee:

On behalf of the non-profit WAI: Wastewater Alternatives & Innovations, I am writing in **support of SB285**. This bill would leverage the University of Hawai'i's extensive research expertise to create a pilot program to test the safety and efficiency of innovative on-site wastewater technologies. This program would provide valuable information on which technologies are best suited for Hawai'i's unique conditions. In addition, this bill would appropriate funds for 1.0 FTE engineer position and 1.0 FTE planner position within the Hawai'i's Department of Health Wastewater Branch to ultimately support the approval of new, more efficient, and less expensive technologies for large-scale implementation and cesspool conversion.

Hawaii has more than 83,000 cesspools across the state, discharging 52 million gallons of raw sewage each day into Hawaii's waters. That's similar to a massive sewage spill every day! The people of Hawaii need this law to make sure their wastewater systems aren't polluting the groundwater or nearby surface waters. As a member of the State's Cesspool Conversion Working Group over the last four years, we believe that this kind of pilot project for individual wastewater systems will be more efficient and affordable in the long run. The lack of affordable and effective technologies (nutrient & nitrogen reducing) is a major impediment to Hawai'i's water quality improvement goals.

WAI is an environmental non-profit dedicated to protecting our drinking water, groundwater and near-shore ecosystems by reducing sewage pollution from cesspools and failing septic systems. Our goal is to help find more innovative, affordable, and eco-friendly solutions to wastewater management. Better sanitation systems reduce sewage pollution and make properties more valuable, while also protecting public health and valuable natural resources like groundwater, streams, coral reefs and coastal areas.

Hawaii is struggling with serious sewage pollution problems, and the state has a mandate to make sure all cesspools are converted in the next three decades. WAI is working with innovative sanitation companies from across the country and around the world to introduce more efficient and affordable alternatives for wastewater management. This bill provides funding for wastewater planning and management, incentivizes county-level action, and promotes partnerships between State and County wastewater management programs. I believe that SB285 is a crucial step in the right direction to solving Hawai'i's cesspool issue and sewage pollution problem. Mahalo for your leadership on this issue and support of this bill.

Aloha,

*Stuart Coleman*

Stuart H. Coleman, Executive Director

WAI: Wastewater Alternatives & Innovations \* 2927 Hibiscus Pl. \* Honolulu, HI 96815  
808-381-6220 \* [info@waicleanwater.org](mailto:info@waicleanwater.org) \* [www.WaiCleanWater.org](http://www.WaiCleanWater.org)

**SB-285-SD-1**

Submitted on: 2/23/2023 6:23:54 PM

Testimony for WAM on 2/28/2023 10:00:00 AM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>         |
|---------------------|---------------------|---------------------------|------------------------|
| Gerard Silva        | Individual          | Oppose                    | Written Testimony Only |

Comments:

It has already bin Proven by Experts that Cess pools are not the Problem the Wast water Department is the Problem, here on the Big Iland all most every year that system dumps Raw swedge in to the Bay and Polutes all of our waters in Hilo Bay and Hawaii Homes Lands along the shore. They never admit it is there Fault they Just Blaim the People with Cess Pools. The Botum Line is The County sewdge System is to Blaim and not the Cess pools. STOP BLAIMING THE PEOPLE AND FIX THE REAL PROBLEM. We the People no you are just looking to Make More zMoney by Ripping US of. NO MORE!!!!!!

**SB-285-SD-1**

Submitted on: 2/27/2023 9:13:44 AM

Testimony for WAM on 2/28/2023 10:00:00 AM

| <b>Submitted By</b>  | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>            |
|----------------------|---------------------|---------------------------|---------------------------|
| Marion K A Kapuniaia | Individual          | Support                   | Written Testimony<br>Only |

Comments:

As I have stated in earlier testimony, very appropriate to fund this strategy to address "Waste Management Systems".

Thank you,

M Kapuniaia



**LATE**

**SB-285-SD-1**

Submitted on: 2/27/2023 2:41:43 PM

Testimony for WAM on 2/28/2023 10:00:00 AM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>            |
|---------------------|---------------------|---------------------------|---------------------------|
| Elizabeth Benyshek  | Individual          | Support                   | Written Testimony<br>Only |

Comments:

Aloha, I am writing to express my strong support for SB285 SD1, which would initiate a cesspool pilot program for the most polluting cesspools. We have about 90,000 cesspools in our state, and they are directly linked to the high number of brown water events. Replacing these waste holes in the ground is vital and often too expensive for homeowners. Please support SB285. Thank you for your time and consideration.

Elizabeth Benyshek

Chair, Surfrider Foundation O'ahu Chapter

**LATE**

**SB-285-SD-1**

Submitted on: 2/27/2023 8:09:21 PM

Testimony for WAM on 2/28/2023 10:00:00 AM

| <b>Submitted By</b> | <b>Organization</b> | <b>Testifier Position</b> | <b>Testify</b>            |
|---------------------|---------------------|---------------------------|---------------------------|
| Joachim Schneider   | Individual          | Support                   | Written Testimony<br>Only |

Comments:

Strongly support. This is crucial for important infrastructure improvements.