



## DEPARTMENT OF THE NAVY

COMMANDER NAVY REGION HAWAII  
850 TICONDEROGA ST STE 110  
JBP HH HI 96860-5101

### HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION Testimony on Senate Bill 2930 S.D. 2, Related to Underground Storage Tanks

Hearing Date and Time: Tuesday, March 13, 2018 8:30 a.m.

Testimony on behalf of Navy Region Hawaii

Good morning, Chair Lee, Vice Chair Lowen, and Representatives,

Thank you for the opportunity to testify. I am Rear Admiral Brian Fort, Commander Navy Region Hawaii. With me is Mr. Mark Manfredi, our Red Hill Program Director. We would like to support the intent of this bill to upgrade the Red Hill fuel facility, but can only do so if the bill's language does not conflict with an existing upgrade plan, the 2015 Administrative Order on Consent signed with the State Department of Health (DOH) and the U.S. Environmental Protection Agency (EPA).

First, both the Navy's and the Board of Water Supply (BWS)'s independent water quality reports show that Oahu's drinking water is safe. This is not a Flint, Michigan, water main situation and the characterization of Oahu's drinking water as being at "imminent risk" due to the mere presence of Red Hill only serves to unnecessarily promote fear. We've installed six additional monitoring wells, for a total of fourteen monitoring points around the facility, and have plans to install several more to expand the network and collect additional necessary data. Recently acquired geologic data from our wells and our seismic survey provides further persuasive evidence of the existence of natural barriers between municipal drinking water wells and Red Hill. Independent tank tightness tests and improved inventory controls confirm the Red Hill tanks are not leaking. Over four years after the 2014 release, Red Hill is not an urgent or catastrophic public health crisis. We are upgrading Red Hill in a thorough and logical way to minimize mistakes. Mistakes caused the 2014 release, not a rusty or old tank.

Improvements to the facility are regulated by the EPA and the DOH under a September 2015 written agreement they negotiated with the Navy called an Administrative Order on Consent (AOC), which is more rigorous and protective than current regulations.

My testimony consists of three points:

1. The AOC process works; it is enforceable, far more comprehensive and thus more protective than a prescriptive secondary containment mandate.
2. Physical constraints affect the rate of construction modernization.
3. Red Hill is vital to national defense.

**1. The AOC process works; it is enforceable, far more comprehensive and thus more protective than a prescriptive secondary containment mandate.**

The AOC requires **all** tanks to be upgraded with a mutually agreed method by 2037, or be taken off-line. The Navy has no incentive to drag its feet in carrying out the AOC, and the 2037 deadline is extremely aggressive. Updating twenty tanks is a huge effort. To improve understanding of the facility and the area surrounding it, the AOC requires evaluation and action in 7 areas: Tank inspection, repair and maintenance; Tank upgrade alternatives; Release detection and tank tightness testing; Corrosion and metal fatigue practices; Investigation and remediation of releases; Groundwater protection and evaluation; and a Risk and vulnerability assessment. These seek the right upgrade alternative the first time, instead of having to redo work. Each section has deadlines the Navy must meet. The DOH and EPA have explicit enforcement authority if the Navy and DoD miss deadlines. The Navy and Defense Logistics Agency have met all deadlines and invested over \$33 million and tens of thousands of hours specifically towards the AOC, with over \$250 million spent improving the facility since 2005. We've installed groundwater and soil vapor monitoring systems, structurally reinforced and renovated the tunnels and passageways, and improved ventilation, tank interiors, oil tight door systems, fire protection systems, pipelines, and Red Hill drinking water shaft security. This is in addition to our normally occurring preventive maintenance, tank testing and inspections. Changing the rules delays our work.

As proposed, this bill requires a specific solution as the tank upgrade alternative, explicitly identifying secondary containment in an undefined timeframe, without the technical evaluation and proper due diligence necessary for this. A mandatory solution that lacks sound engineering judgment and scrutiny under the AOC process will increase risk. The Navy has demonstrated good faith in complying with the AOC and respectfully suggests a bill supportive of the AOC.

## **2. Physical Conditions Constrain Rate of Improvements.**

Improving Red Hill requires bringing in all construction material, personnel, power, and support through tunnels about the width of a car. Adding personnel and equipment to any improvement effort will not improve the rate of construction due to this physical constraint. When the AOC upgrade alternative is approved by regulators, and funded by Congress, work can begin. Due to physical, regulatory, real world military requirements and contracting constraints, we cannot complete all tank upgrades before 2037.

## **3. Red Hill is of vital strategic importance to our Nation and US Pacific Command.**

The United States Pacific Command recently reaffirmed Red Hill's strategic importance on February 23<sup>rd</sup>, when Brigadier General Evan Miller wrote:

The Red Hill facility holds a significant percentage of petroleum war reserves required to defend national security interests in the Pacific region. It supports all US military forces stationed in and transiting through Hawaii via its hardened, underground, cyber-protected, gravity-fed system to Joint Base Pearl Harbor-Hickam. It supports the Hawaii Army and Air National Guard and is capable of defense support to civil authorities

should circumstances dictate. There is no comparable US owned facility anywhere from India to mainland USA.

See attached Brigadier General Miller February 23, 2018 letter.

In summary, your military in Hawaii and throughout the Pacific needs continuous and uninterrupted access to large volume, secure and sustainable fuel storage facilities to support efforts in the Pacific. Red Hill provides fuel to support countless contingency operations, and is essential to safeguard our national interests and support humanitarian missions. The forward presence provided by your military builds international cooperation, maintains regional stability, and ensures maritime security, including the free flow of commerce to Hawaii, the mainland, and throughout the Indo-Asia-Pacific region. Oahu's drinking water remains safe to drink and Red Hill can continue to operate safely with the process already established in the AOC, which is a legally enforceable process providing a roadmap for Red Hill with enhanced oversight and approval roles for DOH and EPA and expert resources beyond what this bill proposes.

Because there is no public health crisis, physical constraints exist on how quickly facility improvements can be made, and Pacific Command must continue to pursue its strategic mission, the earliest practicable completion date for all active tank upgrades we can accept in this bill is 2037. Any earlier date is impossible to accomplish, does not accomplish this bill's intent, and is a prescription for failure. For all the above reasons, we respectfully request you modify this bill to be consistent with the AOC, and ensure that the State Department of Health, the EPA, the Navy, and other stakeholders have sufficient time to complete our ongoing work under the Administrative Order on Consent.

Thank you for the opportunity to testify today.



**COMMANDER, U.S. PACIFIC COMMAND  
(USPACOM)  
CAMP H.M. SMITH, HAWAII 96861-4028**

23 February 2018

**COMMITTEE ON COMMERCE, CONSUMER PROTECTION, AND HEALTH**

**Hearing Date and Time: February 26, 2018, 10:15 A.M., Room 229  
Testimony on Senate Bill No. 2930, Relating to Underground Storage Tanks**

Chair Rosalyn H. Baker, Chair Jill N. Tokuda, Senators,

Good morning and thank you for the opportunity to submit written testimony for Committee review related to Senate Bill 2930.

USPACOM, commanded by Admiral Harry B. Harris, is the highest level DoD headquarters in the Indo-Pacific region. It provides command and control of assigned forces from the Army, Navy, Air Force, and Marines operating in the Pacific. The Red Hill Fuel Storage Facility is owned and maintained by the U.S. Navy, while the Defense Logistics Agency serves as the military's global supply chain manager for fuel.

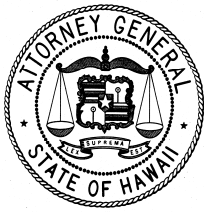
The purpose of my testimony is threefold: to inform the Committee of the vital strategic significance of the Red Hill Fuel Storage Facility; to communicate USPACOM's resolve and commitment to conduct operations in an environmentally responsible and compliant manner; and third, to continue communicating with State leadership and local constituents for any matters of public interest regarding the Red Hill Fuel Storage Facility.

The Red Hill facility holds a significant percentage of petroleum war reserves required to defend national security interests in the Pacific region. It supports all US military forces stationed in and transiting through Hawaii via its hardened, underground, cyber-protected, gravity-fed system to Joint Base Pearl Harbor-Hickam. It supports the Hawaii Army and Air National Guard and is capable of defense support to civil authorities should circumstances dictate. There is no comparable US owned facility anywhere from India to mainland USA.

USPACOM remains committed to operating environmentally sound facilities, demonstrated through a trained workforce and continued financial investment that has improved safety, accountability, detection, and monitoring at Red Hill. On behalf of USPACOM, thank you for the opportunity to submit testimony on this matter. Should the Committee desire, I consider it a privilege to meet in the near future and provide additional information as necessary.

A handwritten signature in black ink, appearing to read "Evan M. Miller", is positioned above the typed name.

EVAN M. MILLER  
Brigadier General, USAF  
Director Logistics, Engineering  
and Security Cooperation



**TESTIMONY OF  
THE DEPARTMENT OF THE ATTORNEY GENERAL  
TWENTY-NINTH LEGISLATURE, 2018**

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**ON THE FOLLOWING MEASURE:**

S.B. NO. 2930, S.D. 2, RELATING TO UNDERGROUND STORAGE TANKS.

**BEFORE THE:**

HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

**DATE:** Tuesday, March 13, 2018

**TIME:** 8:30 a.m.

**LOCATION:** State Capitol, Room 325

**TESTIFIER(S):** Russell A. Suzuki, Acting Attorney General, or  
Wade H. Hargrove III, Deputy Attorney General

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Chair Lee and Members of the Committee:

The Department of the Attorney General (Department) strongly supports clarifying the intent of this measure and recommends that amendments be made, as provided herein, to reduce the likelihood of further litigation relating to the field-constructed underground storage tanks (FCTs) owned and operated by the United States Navy's (Navy) at its Red Hill bulk fuel storage facility (Red Hill). The proposed amendments will enable the Department of Health (DOH) to maintain its regulatory oversight of these particular FCTs and the Navy to continue to work to improve its FCTs to protect human health and the environment.

This bill requires DOH to adopt rules, by October 13, 2018, for underground storage tanks (USTs) that conform to recent revisions to the federal UST regulations, and to adopt more stringent rules specific to FCTs.

DOH is already required to update its UST rules no later than October 13, 2018 because failing to do so will risk losing its approval as a state program to regulate USTs as delegated by the U.S. Environmental Protection Agency (EPA). And DOH is already in the process of updating its UST rules. However, the Sierra Club and potentially the court in *Sierra Club v. Department of Health* [Civil No. 17-1-1350-08 JPC] may insist upon an earlier and unachievable completion date. The bill's reinforcement of the October 2018 deadline is reasonable, and DOH will complete its rules by this time.

However, in order to make this rule mandate explicit, and make legal challenges to the new UST rules less likely, the Department recommends that section 1, page 3, lines 16-21 and page 4, lines 1-4 be revised as follows:

“The purpose of this Act is to protect the State's underground drinking water sources and surrounding environment by requiring the department of health to adopt rules for underground storage tanks, tank systems, and related piping that conform with the 2015 [revisions to] federal regulations and [include additional requirements] are no less stringent than any regulation established pursuant to federal law for certain field-constructed underground storage tanks~~[, including compliance with certain requirements in chapter 11-281, Hawaii Administrative Rules, or successor rules]~~ and do not conflict with the administrative order on consent in department of health docket no. 15-UST-EA-01.

Also, section 2 of the bill should be replaced with the following amendment to section 342L-32(b), Hawaii Revised Statutes, which sets the standards for tanks and tank systems:

(b) Underground storage tank and tank system standards shall include, but are not limited to, the following specifications:

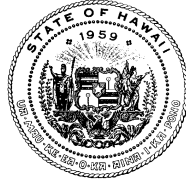
- (1) The tank and tank system shall be designed, constructed, installed, upgraded, maintained, repaired, and operated to prevent releases of the stored regulated substances for the operational life of the tank or tank system pursuant to the rules;
- (2) The material used in the construction or lining of the tank or tank system is compatible with the substance to be stored; and
- (3) ~~[Existing underground storage tanks or existing tank systems shall be replaced or upgraded not later than December 22, 1998, to prevent releases for their operating life]~~ On or before October 13, 2018, the department of health shall, pursuant to chapter 91, adopt rules related to the standards for the design, construction, installation, upgrading, repair, maintenance and operation of underground storage tanks and tank systems, including necessary revisions to existing rules, that generally conform with, and are no less stringent than, the federal underground storage tank regulations effective as of July 15, 2015 and codified in title 40 Code of Federal Regulations part 280.

DOH is also enforcing against the Navy relating to the Red Hill FCTs [DOH Docket No. 15-UST-EA-01] and entered into an agreement with the Navy in the form of an administrative order on consent on September 28, 2015 (AOC). The AOC was and continues to be justifiable because it commits the Navy to upgrading its FCTs no later than 2037. This commitment is significant because the President of the United States can exempt from regulation any federal facility that would otherwise be subject to certain state or federal environmental regulations, including UST regulation. Specifically, the President may remove state jurisdiction over the FCTs at Red Hill so that DOH will no longer have the authority to force the Navy to address problems with and improve its FCTs. See 42 U.S.C. 6961(a). In light of this contingency, and in recognition of the Navy's extensive knowledge of its own facility and desire to modernize its UST infrastructure, DOH negotiated and executed the AOC.

The bill's additional requirements for FCTs would require the Navy to disrupt its AOC work, would threaten the delicate regulatory balance between DOH, EPA and the Navy and, moreover, would increase the risk of a presidential exemption, litigation and the eventual removal of DOH and all other regulatory oversight.

To avoid this regulatory breakdown and the resultant threat to human health and the environment, the Department recommends that the additional FCT requirements for secondary containment and associated piping be deleted and the Committee instead require conformance with the AOC as reflected in the amendment the Department has recommended.

We encourage the Committee to make the Department's proposed amendments to the bill and thank you for the opportunity to provide input.



**STATE OF HAWAII**  
**DEPARTMENT OF HEALTH**  
P. O. Box 3378  
Honolulu, HI 96801-3378  
doh.testimony@doh.hawaii.gov

**Testimony in SUPPORT of SB2930, S.D. 2**  
**RELATING TO UNDERGROUND STORAGE TANKS**

REPRESENTATIVE CHRIS LEE, CHAIR  
HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

Hearing Date: March 13, 2018  
8:30 am

Room Number: 325

1 **Fiscal Implications:** None

2 **Department Testimony:** The Department of Health supports SB2930, S.D.2, as the department  
3 requires statutory clarity in its rulemaking responsibilities.

4 The department requests the legislature to amend section 342L-32(b), Hawaii Revised Statutes  
5 (HRS), to clarify the department's rulemaking responsibilities and protect the department from  
6 future litigation. In light of the recent judicial decision, the department recognizes that the  
7 complex history of the specific terms used in this section of the statute and the mismatch  
8 between current statutory and regulatory language leaves room for ambiguity and confusion,  
9 which we believe exposes the department to threat of future litigation. Therefore, the department  
10 requests that the legislature revise chapter 342L-32(b), HRS, and Section 2 of this bill, as shown  
11 below, so that we may continue and complete our rulemaking process by the federal deadline of  
12 October 13, 2018, maintain the state underground storage tank program's federal approval and  
13 funding, and continue our mission to protect Hawaii's environment.

14 While we understand the legislature's desire to immediately require secondary containment  
15 retrofits for existing large field constructed tanks in the interest of protecting the environment,  
16 there is no current technology or existing industry standard for designing and constructing  
17 secondary containment under the circumstances present at and on the scale necessary for Red  
18 Hill. We caution that legislation that conflicts with the Administrative Order on Consent (AOC)



1 could potentially derail the decision-making process that is currently underway. Because the  
2 AOC is a very detailed, enforceable agreement, the AOC keeps the department and the EPA  
3 closely involved in overseeing the Navy’s research and decision-making processes, an outcome  
4 which is much less likely if the department simply imposes a secondary containment requirement  
5 by rule. To date, the AOC has provided an opportunity for the department to require the Navy to  
6 improve operations and monitoring at the Red Hill facility, and begin a series of studies and  
7 evaluations to further improve overall design and operational strategy above and beyond any  
8 current or proposed regulatory requirement. This evaluation not only includes the “upgrade”  
9 design of the tank, but also associated release detection methods, operation methods and  
10 response actions, and appropriate redundancies. Because technology is constantly advancing,  
11 this evaluation will occur on a periodic basis throughout the duration of the AOC, not just during  
12 a one-time legislative mandate.

13 Thank you for the opportunity to testify.

14

15 **Offered Amended Language:**

16 The Department recommends that section 1 of this bill, at page 3 line 16 to page 4 line 4, be  
17 revised as follows:

18 “The purpose of this Act is to protect the State's underground drinking water sources and  
19 surrounding environment by requiring the department of health to adopt rules for underground  
20 storage tanks, tank systems, and related piping that conform with the 2015 [revisions to] federal  
21 regulations [and include additional requirements] and are no less stringent than any regulation  
22 established pursuant to federal law for certain field-constructed underground storage tanks[;  
23 ~~including compliance with certain requirements in chapter 11-281, Hawaii Administrative Rules,~~  
24 ~~or successor rules.] and do not conflict with the administrative order on consent in department of  
25 health docket no. 15-UST-EA-01.”~~

1 The Department recommends that section 2 of this bill be replaced in its entirety with the  
2 following amendment to section 342L-32(b), Hawaii Revised Statutes, which sets the standards  
3 for tanks and tank systems:

4 “(b) Underground storage tank and tank system standards shall include, but are not  
5 limited to, the following specifications:

- 6 (1) The tank and tank system shall be designed, constructed, installed, upgraded,  
7 maintained, repaired, and operated to prevent releases of the stored regulated  
8 substances for the operational life of the tank or tank system pursuant to the rules;
- 9 (2) The material used in the construction or lining of the tank or tank system is  
10 compatible with the substance to be stored; and
- 11 (3) ~~[Existing underground storage tanks or existing tank systems shall be replaced or~~  
12 ~~upgraded not later than December 22, 1998, to prevent releases for their operating~~  
13 ~~life.]~~ On or before October 13, 2018, the department of health shall, pursuant to  
14 chapter 91, adopt rules related to the standards for the design, construction,  
15 installation, upgrading, repair, maintenance and operation of underground storage  
16 tanks and tank systems, including necessary revisions to existing rules, that  
17 generally conform with, and are no less stringent than, the federal underground  
18 storage tank regulations effective as of July 15, 2015 and codified in title 40 Code  
19 of Federal Regulations part 280.”

**SB-2930-SD-2**

Submitted on: 3/12/2018 6:21:37 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Melodie Aduja	OCC Legislative Priorities Committee, Democratic Party of Hawai'i	Support	No

Comments:

PRESENTATION OF THE  
OAHU COUNTY COMMITTEE ON LEGISLATIVE PRIORITIES  
DEMOCRATIC PARTY OF HAWAII  
TO THE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION  
THE HOUSE OF REPRESENTATIVES  
TWENTY-NINTH LEGISLATURE  
REGULAR SESSION OF 2018

Tuesday, March 13, 2018

8:30 p.m.

Hawaii State Capitol, Conference Room 325

RE: Testimony in **Support** of **SB2930 SD2**, RELATING TO UNDERGROUND STORAGE TANKS

To the Honorable Chris Lee, Chair; the Honorable Nicole E. Lowen, Vice-Chair and Members of the Committee on Energy & Environmental Protection:

Good morning. My name is Melodie Aduja. I serve as Chair of the Oahu County Committee ("OCC") Legislative Priorities Committee of the Democratic Party of Hawaii. Thank you for the opportunity to provide written testimony on **SB2930 SD2** relating to Underground Storage Tanks and Systems; Environmental Protection; and the Department of Health.

The OCC Legislative Priorities Committee is in favor of **SB2930 SD2** and strongly supports its passage as it requires, on or before 10/13/2018, that the department of health adopt rules for underground storage tanks and tank systems to conform with certain federal regulations and that include additional requirements for field-constructed underground storage tanks and tank systems.

**SB2930 SD2** is in accord with the Platform of the Democratic Party of Hawai'i ("DPH") which provides that "[w]e support the protection of our 'aina against destruction by corporate, government, or military usage and expect full restoration and reparation of environmental damage. To handle current and future demands of water, we must assess the current condition of our aquifers and take appropriate actions to secure our freshwater resources." (Platform of the DPH, P. 8, Lines 422-425 (2016)).

Given that **SB2930 SD2** requires, on or before 10/13/2018, that the department of health adopt rules for underground storage tanks and tank systems to conform with certain federal regulations and that include additional requirements for field-constructed underground storage tanks and tank systems, it is the position of the OCC Legislative Priorities Committee to strongly support this measure.

Thank you very much for your kind consideration.

Sincerely yours,

/s/ Melodie Aduja

Melodie Aduja, Chair, OCC Legislative Priorities Committee

Email: legislativepriorities@gmail.com, Text/Tel.: (808) 258-8889

SENATE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

TUESDAY, MARCH 13, 2018

8:30 AM

CONFERENCE ROOM 325

STATE CAPITOL

TESTIMONY OF

Benton Kealii Pang, Ph.D., Hawaiian Civic Club of Honolulu

IN SUPPORT OF

SB 2930 SD2 (SSCR2745): RELATING TO UNDERGROUND STORAGE TANKS

As a member of the Hawaiian Civic Club of Honolulu and Ecosystem chair for the Ke One O Kākuhihewa (O'ahu Council for the Association of Hawaiian Civic Clubs) I strongly support SB2930 SD2.

Since 1992, the Department of Health has failed to enact rules requiring the upgrading of existing underground storage tanks and even exempted the Red Hill underground storage tanks (UST) in HAR 11-281-01(b)(2) where none is authorized. This left the antiquated, leaky UST insufficiently regulated for years. In 2014, the Red Hill Fuel Storage Facility leaked about 27,000 gallons of jet fuel into the ground. This resulted in groundwater contamination in an area below the UST and petroleum related compounds have been detected in groundwater monitoring wells.

On February 22, 2018, Circuit Judge Jeffrey P. Crabtree ruled in favor of the Sierra Club in its lawsuit against the Health Department (DOH) and Director Virginia Pressler (Civ No. 17-1-1350-08 JPC). The court ruled current DOH administrative rules, which exempted the Red Hill UST do not comply with the legislation approved by Legislature in 1992. The 1992 law requires replacement or upgrade of then-existing tank systems by December 22, 1998, to prevent releases over the operating life of the UST.

This bill ensures large field-constructed UST's and its piping be equipped with secondary containment and establishes a firm deadline for its installation. Red Hill is the state's largest field-constructed UST facility that should be regulated to a level proportional to the extreme large volume of fuel that it stores. The groundwater aquifer under the Red Hill UST is called the Southern Oahu Basal Aquifer and is designated by the US Environmental Protection Agency as a sole source aquifer and principal source of drinking water from Wahiawā, 'Ewa, and portions of Honolulu.

Please pass this measure and ensure clean drinking water for generations to come.

Sincerely,





Testimony of the Sierra Club of Hawai'i to the

**HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION**

**SUPPORT of SB 2930 SD2** Relating to Underground Storage Tanks

Tuesday, March 13, 2018 8:30AM Conference Room 325

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Aloha Chair Lee, Vice Chair Lowen and members of the Committee,

On behalf of our 20,000 members and supporters, the Sierra Club of Hawai'i, a member of the Common Good Coalition, offers testimony in **support of SB 2930 SD2 with amendments** to better protect our water resources from the threat of field constructed fuel storage tanks. We offer amendments to minimize the administrative burden on the Department of Health and ensure the strongest possible minimum standards for field constructed tanks in Hawai'i.

**BACKGROUND**

The Navy's Red Hill Bulk Fuel Storage Facility has contaminated our groundwater. That fact is undisputed. Polluting our groundwater is unacceptable. If our enemies poisoned our drinking water, no doubt we would all be up in arms. Yet, here we are four years later and our water is still at immense risk.

The Red Hill underground storage tanks continue to pose a serious threat to the aquifer. In a sworn statement submitted in court, the administrator of the water quality division of the Honolulu Board of Water Supply stated that the Red Hill facility:

poses a serious risk to Oahu's groundwater aquifer and drinking water resources because of: its close proximity (100 feet) to the groundwater table and the groundwater's vulnerability to contamination; the large volume (187 million gallons) of petroleum fuel stored in it; records of past fuel leaks in addition to the 27,000 gallons released in January 2014 from a facility that is corroding and more than 75 years old; the presence of petroleum contamination detected in the groundwater underneath the facility since 2005; and the amount of contamination in at least one area of the groundwater under the Red Hill Bulk Fuel Storage Facility shows levels that pose an unacceptable threat to human health and the environment.

Government officials slept while the water in Flint, Michigan was contaminated. We cannot repeat that mistake here. The antiquated, leaky tanks at Red Hill need to be upgraded to secondary containment immediately, or they should be removed.

## **U.S. Navy**

The Navy should operate in a way that respects the laws of Hawai‘i and does not contaminate our groundwater resources. We know this is possible. In Washington State, the Naval Base Kitsap's Manchester Fuel Depot is in the process of replacing its underground fuel storage tanks with state-of-the-art, above-ground steel tanks. According to Manchester's Regional Fuels Manager Glenn Schmitt, “Underground storage tanks have inherent environmental risks and so we're trying to avoid those risks by bringing the tanks above ground.”

It is incumbent on this Committee, and all legislators, to establish strong minimum expectations so that the Navy can meet them. The Administrative Order on Consent, the enforcement action ordered after the Navy polluted our groundwater, specifically anticipates and provides for new regulations to be adopted (§8(b)(iii)). Passing this bill does not jeopardize the AOC. Rather, passing this bill gives the Navy the kind of urgent justification needed to secure the necessary funding and expertise from the Department of Defense to either quickly upgrade the existing tanks or, if that is not possible, then begin the process of an orderly relocation of the fuel.

Hawai‘i has heard many times before that a particular action is essential to national security — such as bombing at Kaho‘olawe and Mākuā — and every time the military has modified its behavior to maintain national security while meeting our minimum expectations protecting our ‘āina.

## **Hawai‘i Department of Health**

The Department of Health is constitutionally obligated to protect our drinking water from contamination. Hawai‘i State Constitution Article IX section 1, and Article XI sections 1 and 7; *Kauai Springs, Inc. v. Planning Comm'n of Kaua‘i*, 133 Hawai‘i 141, 172, 324 P.3d 951, 982 (2014); *Kelly v. 1250 Oceanside Partners*, 111 Hawai‘i 205, 140 P.3d 985 (2006). It is also statutorily required to do so. HRS §§ 174C-66, 321-1.1, 340E-2, 342D-4, and 342D-50.

In 1986, the legislature called on DOH to “establish state standards to protect Hawai‘i's public health and the environment from ground and surface water contamination resulting from leaking underground storage tanks.” Act 197, 1986 Hawai‘i Session Laws at 340. Six years later, the legislature amended the law, setting a deadline requiring DOH to adopt rules to ensure that pre-existing underground storage were upgraded and operated to prevent releases. Act 259, 1992 Hawai‘i Session Laws. The legislature mandated that the rules must require that underground storage tanks be replaced or upgraded in a manner that prevents releases by the end of 1998. And these rules must require that all tanks be operated to prevent releases.

Unfortunately, DOH failed to meet this mandate in significant ways. First, DOH was late in enacting rules. Despite a requirement that the rules require upgrading by December 22, 1998, DOH did not actually enact rules until the year 2000. Second, DOH exempted the underground storage tanks that pose the greatest threat to our groundwater. The tanks at Red Hill do not have to comply with significant and substantive portions of the underground storage tank rules. Third, there was no requirement that the Red Hill tanks, and other tanks on military land, be upgraded.

In 2014, the legislature adopted Senate Concurrent Resolution 73 HD1, which required the Director of Health to submit its findings in a report from a task force studying the effects of the January 2014 tank leak at the Red Hill Fuel Storage Facility. In that report, DOH acknowledged that “the operation of this facility should only exist on the condition that the facility be upgraded with secondary containment and state-of-the-art leak detection to ensure safe operations and prevent adverse impact to the environment” and that “DOH should amend the State’s UST regulations to require secondary containment and leak detection for all of Hawaii’s field constructed USTs.” More than three years later, we are still waiting.

Recently, the first circuit court held that the special exemption that DOH carved out for the Navy was invalid. The Sierra Club’s complete motion for summary judgement, as well as the undisputed facts, can be read online at: [bit.ly/SCH\\_RHMSJ2018](http://bit.ly/SCH_RHMSJ2018).

Assuming that this bill is intended – as it is currently written – to expedite the upgrading of the Red Hill tanks to secondary containment, the Sierra Club of Hawai‘i supports this bill as a better alternative to litigation. If, however, this bill is to be gutted and used as a vehicle for granting a special exemption to the tanks that pose the greatest threat to our groundwater, then we would oppose it. We do not need another Flint, Michigan in Hawai‘i nei.

We propose the following amendments to make this legislation stronger.

### **Proposed Amendments**

It is simpler – and requires less administrative work – to codify the requirements into the statute, rather than to direct the Department of Health to subsequently adopt rules. The first paragraph in section 2 can be deleted. Similarly, the phrase “be required to upgrade” should be replaced with “be upgraded.”

~~SECTION 2.—On or before October 13, 2018, the department of health shall adopt rules pursuant to chapter 91, Hawaii Revised Statutes, including necessary revisions, to conform Hawaii's underground storage tank and tank system rules with the July 15, 2015, revisions to the United States Environmental Protection Agency underground storage tank regulations codified in title 40 Code of Federal Regulations part 280; provided that the department shall additionally require through rules that: HRS 342L is amended to include a new section to be designated HRS 342L-38 to read as follows:~~

342L-38 Field constructed tanks. (a) ~~(1)~~ All field-constructed underground storage tanks with storage capacities greater than fifty thousand gallons shall:

- (1) Be ~~required to~~ upgraded with secondary containment with interstitial monitoring by July 1, 2023 ; and
- (2) Be subject to the permitting requirements specified in chapter 11-281, Hawaii Administrative Rules, or successor rules;

(b) ~~(2)~~ All onsite integral piping connected to any field-constructed underground storage tanks with storage capacities greater than fifty thousand gallons shall:

- (1) Be ~~required to~~ upgraded with secondary containment with interstitial monitoring by July 1, 2023 , if the piping is in contact with the soil, concrete, or cannot be visually inspected; and



(2) Be subject to the permitting requirements specified in chapter 11-281, Hawaii Administrative Rules, or successor rules;

provided that "onsite integral piping" means on-site piping, originating or terminating at the regulated storage tank or tanks, that conveys regulated substances. Vapor, or other recovery lines, pipeline facilities, and vent lines, are not considered integral piping. Integral piping includes all valves, elbows, joints, flanges, pumps, and flexible connectors associated with the pipe originating at the storage tank up to the union of the integral piping with the dispensing system, the fill valve, the forwarding pump used for transferring regulated substances to a flow-through process tank or an industrial production or manufacturing point of use, the first flange or connection within a loading rack containment area, or the first shoreside valve after the marine transfer area for on-site piping at regulated underground storage tank facilities.;

(c) ~~(3)~~ Owners and operators of field-constructed underground storage tanks that fail to meet the deadline specified in subsections (a) and (b) ~~paragraphs (1)(A) and (2)(A)~~ shall empty the storage tank system, take the system out-of-service by July 1, 2028, and permanently close the tank by July 1, 2030, in accordance with chapter 11-281, Hawaii Administrative Rules, or successor rules.;

(d) ~~(4)~~ The department of health shall revoke the permits of any owners and operators of field-constructed underground storage tanks that fail to meet the deadline specified in subsections (a) and (b) ~~paragraphs (1)(A) and (2)(A)~~ for upgrading with secondary containment.

Thank you for the opportunity to provide testimony on this extremely important matter.

Sincerely,



Marti Townsend  
Director  
Sierra Club of Hawai'i

**SB-2930-SD-2**

Submitted on: 3/10/2018 11:19:25 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Leimomi Khan	Oahu Council, Association of Hawaiian Civic Clubs	Support	No

Comments:

# Hawaii Guerrilla Video Hui

H. Doug Matsuoka

PO Box 22046 / Honolulu HI 96823

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10 March 2018

## **Re: Support for SB2930 Relating to Underground Storage Tanks**

Aloha Chair Lee, Vice Chair Lowen, and the Committee,

I video livestreamed the public informational meeting on Red Hill on 6/18/15 (playlist of excerpts here: [https://www.youtube.com/playlist?list=PLpuR67BLmK3TrRU9\\_HumUtSZa2pRc0yt1](https://www.youtube.com/playlist?list=PLpuR67BLmK3TrRU9_HumUtSZa2pRc0yt1)) and the update on 10/06/16. I also attended the Navy's update last year, but since it was engineered to have NO PUBLIC PRESENTATION and allowed NO PUBLIC COMMENTS there was nothing to livestream. The public was not allowed to make any statements or ask any questions, and even our elected public officials were not allowed to make any reports, statements, or comments. The Navy, ones who are responsible for leaking fuel into our water supply would have us believe that their plan for remediation (which will take them 3 times longer than it took to actually build the tanks to begin with) is the best they can do, and not only that, but good enough for the people of Hawaii.

I support SB2930 only in that it is something approaching what the people need. My own personal feeling is that the people of Hawaii need a bill that would require the Navy to empty the tanks and close the facility if the tanks leak. There should be a consequence for violation of the law. Those who pollute the land, water, and ocean should not be welcome here.

That being said I support the amendments proposed by the Sierra Club requiring secondary containment with interstitial monitoring and prevention within 5 years—or the tanks be closed and the fuel relocated.

I remain committed to livestreaming events of public interest, but Navy sponsored dog and pony shows are not one of them. The public remains engaged and enraged over this. Please do something substantive. Pass SB2930 with Sierra Club's proposed amendments – at the very least.

Mahalo for your public service to the people of Hawaii,

/s/H. Doug Matsuoka  
Hawaii Guerrilla Video Hui



**Chair Lee  
Vice Chair Lowen  
House Committee on Energy & Environmental Protection**

**Tuesday, March 13, 2018  
8:30 AM**

**TESTIMONY IN STRONG SUPPORT OF SB2930 SD2 RELATING TO UNDERGROUND STORAGE  
TANKS WITH AMENDMENTS**

Aloha Chair Lee, Vice Chair Lowen, Members of the House Committee on Energy & Environmental Protection,

My name is Jun Shin. I am a freshman at the University of Hawaii at Manoa, and I serve as a board member at-large for Young Progressives Demanding Action - Hawaii. I am testifying in **strong support of SB2930 SD2 relating to underground storage tanks with amendments.**

It is imperative that this bill passes as our groundwater is at stake, and we can no longer allow for the Red Hill Fuel Tanks to contaminate it. It is important that we protect and preserve groundwater because we as human beings need it for our survival as it also serves as our drinking water. Really, it is very worrying that Red Hill continues to be allowed to go unregulated despite the threat they pose to Oahu's groundwater.

Please **amend SB2930** to require secondary containment for field constructed tanks, as soon as it is possible. These upgraded fuel tanks should be upgraded with secondary containment that includes the following, interstitial monitoring by 2023 and if we cannot, in 2028, emptying these tanks and then retiring them in 2030.

Leaking 200,000 gallons since its construction in 1943, I as a citizen and as a young person who will one day inherit this earth cannot stop and watch as the paradise that I love continue to be negatively affected as these fuel tanks leak and living conditions deteriorate. If these tanks cannot be upgraded for a 21<sup>st</sup> century standard and not a 1940s one, then it should not be located where it hurts our groundwater. The people of Hawai'i cannot wait 20 years for these upgrades to happen. That is why I want to ask you, honored reps to think of the people and **please pass SB2930 SD2.**

Thank you for your hard work and deliberations on this issue,

Jun Shin,  
Board Member At-Large  
Young Progressives Demanding Action – Hawaii  
1561 Kanunu St. #2106 Honolulu, HI 96814  
Cell: 808-255-6663  
Email: junshinbusiness729@gmail.com



46-063 Emepela Pl. #U101 Kaneohe, HI 96744 · (808) 679-7454 · Kris Coffield · Co-founder/Executive Director

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**TESTIMONY FOR SENATE BILL 2930, SENATE DRAFT 2, RELATING TO  
UNDERGROUND STORAGE TANKS**

**House Committee on Energy and Environmental Protection**

**Hon. Chris Lee, Chair**

**Hon. Nicole E. Lowen, Vice Chair**

**Tuesday, March 13, 2018, 8:30 AM  
State Capitol, Conference Room 325**

Honorable Chair Lee and committee members:

I am Kris Coffield, representing IMUAlliance, a nonpartisan political advocacy organization that currently boasts over 400 members. On behalf of our members, we offer this testimony in strong support of Senate Bill 2930, SD 2, relating to underground storage tanks.

Hawai'i's water resources are under siege. At the same time, enforcement of the State Water Code is spotty, at best. Degradation of the fuel storage system at Red Hill is a prime example of our failure to protect our water supply. For over 70 years, the U.S. Navy has stored 187 million gallons of fuel inside the Red Hill ridge, just 100 feet above O'ahu's main drinking water supply.

In that time, the facility has leaked more than 30 times, with the last known leak occurring in January 2014, when 27,000 gallons of fuel were released from a single tank. That leak resulted in a 20-year agreement between the U.S. Navy, Environmental Protection Agency, Defense Logistics Agency, and the Hawai'i Department of Health to study, monitor, and consider improvements to the storage facility. Those improvements need to happen now. All field-constructed underground storage tanks and tank systems must be upgraded or replaced. Furthermore, all tanks must be provided with secondary containment to prevent any future leaks.

Water is life. Mahalo for the opportunity to testify in support of this bill.

Sincerely,  
Kris Coffield  
*Executive Director*  
IMUAlliance

# BOARD OF WATER SUPPLY

CITY AND COUNTY OF HONOLULU  
630 SOUTH BERETANIA STREET  
HONOLULU, HI 96843  
www.boardofwatersupply.com



March 13, 2018

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ERNEST Y. W. LAU, P.E.  
Manager and Chief Engineer

ELLEN E. KITAMURA, P.E.  
Deputy Manager and Chief Engineer

The Honorable Chris Lee, Chair  
and Members  
Committee on Energy and Environmental Protection  
House of Representative  
Hawaii State Capitol  
415 South Beretania Street, Room 325  
Honolulu, Hawaii 96813

Dear Chair Lee and Members:

Subject: Senate Bill 2930 Senate Draft 2: Relating to Underground Storage Tanks

The Honolulu Board of Water Supply (BWS) strongly supports Senate Bill (SB) 2930 Senate Draft (SD) 2 that requires field-constructed underground storage tanks (FCT) and piping be upgraded to secondary containment with interstitial monitoring. We recommend the upgrade requirement be codified in State statute by making the following amendments to the measure, which include revisions to the last paragraph in Section 1 as well as modifications to Section 2 and Section 3 of SB 2920 SD 2. Deletions are lined-out and new language underscored.

## SECTION 1.

...

The purpose of this Act is to protect the State's underground drinking water sources and surrounding environment by requiring all field-constructed underground storage tanks with storage capacities greater than fifty thousand gallons and the onsite integral piping connected to such tanks be upgraded with secondary containment with interstitial monitoring by July 1, 2028, and be subject to the permitting requirements specified ~~the department of health to adopt rules for underground storage tanks, tank systems, and related piping that conform with 2015 revisions to federal regulations and include additional requirements no less stringent than any regulation established pursuant to federal law for certain field-constructed underground storage tanks, including compliance with certain requirements in chapter 11-281, Hawaii Administrative Rules, or successor rules.~~

SECTION 2. ~~On or before October 13, 2018, the department of health shall adopt rules pursuant to chapter 91, Hawaii Revised Statutes, including necessary revisions, to conform Hawaii's underground storage tank and tank system rules with the July 1, \_\_\_\_\_, revisions to the United States Environmental Protection Agency underground storage tank regulations codified in title 40 Code of Federal Regulations part 280; provided that~~

the department shall additionally require through rules that: HRS 342L is amended to include a new section to be designated HRS 342L-38 to read as follows:

342L-38 Field constructed underground storage tanks. (a) For the purpose of this section:

"Secondary containment" means a release prevention and release detection system for a tank or piping that has an inner and outer barrier separated by an open interstice that allows any liquid that may enter the interstitial space to flow unimpeded under gravity alone, at atmospheric pressure, to the location of interstitial monitors. In the case of a tank, the interstitial space shall be of sufficient width to enable the inspection, maintenance, testing, and physical repair of the exposed faces of the inner and outer barriers. Tanks with filled interstitial spaces incorporating embedded drainage conduits are not considered secondarily contained. Secondary containment includes containment sumps when used for interstitial monitoring of piping.

"Interstitial monitoring" means a system to detect and capture any liquid in a tank or piping interstitial space, including, but not limited to, leaks of product or groundwater.

"Onsite integral piping" means onsite piping, originating or terminating at the regulated storage tank or tanks, that conveys regulated substances. Vapor, or other recovery lines, pipeline facilities, and vent lines, are not considered onsite integral piping. Onsite integral piping includes all valves, elbows, joints, flanges, pumps, and flexible connectors associated with the pipe originating at the storage tank up to the union of the integral piping with the dispensing system, the fill valve, the forwarding pump used for transferring regulated substances to a flow-through process tank or an industrial production or manufacturing point of use, the first flange or connection within a loading rack containment area, or the first shore side valve after the marine transfer area for onsite piping at regulated underground storage tank facilities.

(b) (4) All field-constructed underground storage tanks with storage capacities greater than fifty thousand gallons shall:

(1) (A) Be required to be upgraded with secondary containment with interstitial monitoring by July 1, 2028; and

(2) (B) Be subject to the permitting requirements specified in chapter 11-281, Hawaii Administrative Rules, or successor rules;

(c) (2) All onsite integral piping connected to any field-constructed underground storage tanks with storage capacities greater than fifty thousand gallons shall:

(1) (A) Be required to be upgraded with secondary containment with interstitial monitoring by July 1, 2028, if the piping is in contact with the soil, concrete, or cannot be visually inspected; and

(2) (B) Be subject to the permitting requirements specified in chapter 11-281, Hawaii Administrative Rules, or successor rules;

provided that "onsite integral piping" means on-site piping, originating or terminating at the regulated storage tank or tanks, that conveys regulated substances. Vapor, or other recovery lines, pipeline facilities, and vent lines, are not considered integral piping. Integral piping includes all valves, elbows, joints, flanges, pumps, and flexible

~~connectors associated with the pipe originating at the storage tank up to the union of the integral piping with the dispensing system, the fill valve, the forwarding pump used for transferring regulated substances to a flow through process tank or an industrial production or manufacturing point of use, the first flange or connection within a loading rack containment area, or the first shore side valve after the marine transfer area for on-site piping at regulated underground storage tank facilities;~~

~~(d) (3) Owners and operators of field-constructed underground storage tanks that fail to meet the deadlines specified in subsections (b) and (c) paragraphs (1)(A) and (2)(A) shall empty the storage tank system, take the system out-of-service by July 1, 2028, and permanently close the tank by July 1, 2030, in accordance with chapter 11-281, Hawaii Administrative Rules, or successor rules; and~~

~~(e) (4) The department of health shall revoke the permits of any owners and operators of field constructed underground storage tanks that fail to meet the deadlines specified in subsections (b) and (c) paragraphs (1)(A) and (2)(A) for upgrading with secondary containment with interstitial monitoring.~~

SECTION 3. This Act shall take effect on July 1, ~~2018~~2050.

These proposed amendments ensure a bill that affirms several important State constitutional and statutory tenets created to protect our drinking water aquifers and the environment.

First, the bill and the amendments we recommend is an endorsement of our duty to uphold the public trust doctrine in Hawaii State Constitution Article XI sections 1 and 7 which state that “all public natural resources are held in trust by the State for the benefit of the people” and that “the State has an obligation to protect, control and regulate the use of Hawaii’s water resources for the benefit of its people.” Passage of this bill affirms that (i) State Constitution and statutes apply to all underground storage tanks (USTs) regardless of size, purpose, and construction type; (ii) the State’s ability to regulate FCTs is preserved and remains with the State; and (iii) owners of all USTs are responsible for the cost of complying with State statutes and rules, not the State.

Second, the bill ensures FCTs comply with State law which requires tank and tank systems be upgraded, maintained, repaired, and operated to prevent releases over their operational life (Hawaii Revised Statutes §342L-32). If the Red Hill facility wants to continue storing large volumes of fuel just 100 feet above our aquifer, then the BWS believes that the secondary containment tank-within-a-tank design is the proper way to prevent releases to the environment. Otherwise, the tanks should be relocated.

Finally, the bill ensures that future State administrative rules will precisely follow State law by providing clarity and specificity in setting a firm deadline for completing the installation of much-needed tank upgrades without side stepping the most protective benefits of secondary containment.

The Department of Health (DOH) recently proposed revisions to Hawaii administrative rules that would require large field constructed USTs either (i) be provided with secondary containment beginning twenty years after the effective date of the rules or (ii) utilize a tank design and




The Honorable Chris Lee and Members  
March 13, 2018  
Page 4

release detection method which the director determines are protective of human health and the environment. DOH's proposal is a concern to the BWS because (1) it mirrors the long timeline under the Red Hill Administrative Order on Consent; and (2) creates a potential loophole allowing tank configurations that could be less protective of public health and the environment by permitting the installation of tank designs that do not have an annular space that can be inspected and collect leaked fuel.

The need to preserve and protect groundwater quality and quantity and protect our children now and into the future outweighs the continued operation of large FCTs without secondary containment, and we respectfully ask for your support of this measure.

Thank you for the opportunity to testify.

Very truly yours,

  
ERNEST Y. W. LAU, P.E.  
Manager and Chief Engineer

BEFORE THE HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

Hawaii State Legislature  
March 13, 2018

Senate Bill 2930 SD2  
Relating to Underground Storage Tanks

Aloha Chair Lee and Vice Chair Lowen,

The Ka Lāhui Hawaii Political Action Committee (KPAC) strongly supports S.B. 2930 requiring Red Hill and other large-scale, antiquated field-constructed fuel tanks in Hawai'i to comply with federal requirements for standard tanks.

Freshwater is Hawai'i's most precious resource and it must be protected in the highest regard. The tanks at the Red Hill Bulk Fuel Storage Facility put our water quality at risk and threaten our public health sitting 100 feet above O'ahu's primary aquifer that supplies drinking water to over 600,000 residents from Hālawā to Hawai'i Kai.

Over the decades of US military occupation of Kanaka Maoli (aka Native Hawaiian) lands in the Hawaiian archipelago, the US military has done more damage to our environment, cultural, historic, native religious and natural resources than any other group, corporation or industry. The lives of the Kanaka Maoli are intrinsically tied to both the land and water. The fresh clams of Pu'uloa (aka Pearl Harbor) are long gone replaced by military toxic waste, once a homestead for ranchers - the island of Kaho'olawe is now uninhabitable and its water table broken due to decades of being used as military, and the Kanaka Maoli sacred sites on lands occupied by the US military are continually in danger of destruction.

Now with recent leaking of the Red Hill military fuel tanks, the livelihoods of O'ahu residents including Kanaka Maoli are put in in danger. The State of Hawai'i must the do what it can protect our environment, cultural, historic, native religious and natural resources from continued destruction by the US military. The one resource that cannot be replaced is water.

Take action now please and pass this bill as a first step reigning in the US military abuses to Hawai'i.

Pū'ali kalo i ka wai 'ole. Taro, for lack of water, grows misshapen.

Respectfully submitted,

M. Healani Sonoda-Pale  
Chair, KPAC

**LATE**

**SB-2930-SD-2**

Submitted on: 3/12/2018 11:19:04 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Rafael Bergstom	Surfrider Foundation Oahu Chapter	Support	No

Comments:

**SB-2930-SD-2**

Submitted on: 3/9/2018 10:38:46 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
janice palma-glennie	Individual	Support	No

Comments:

**SB-2930-SD-2**

Submitted on: 3/10/2018 12:12:24 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Rene Umberger	Individual	Support	No

Comments:

**SB-2930-SD-2**

Submitted on: 3/10/2018 4:32:33 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Erica Scott	Individual	Support	No

Comments:

**SB-2930-SD-2**

Submitted on: 3/10/2018 5:43:50 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
B.A. McClintock	Individual	Support	No

Comments:

*I STRONGLY SUPPORT the protection of our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon possible. I am extremely concerned about the safety of our groundwater.*

*The Red Hill fuel tanks need to be upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. It took the Navy three years to build these tanks using 1940's technology. We should be able to adequately upgrade this leaky, antiquated facility in the next five years.*

*The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O'ahu's groundwater.*

*The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.*

*Thank you for listening to my concerns on this extremely important issue.*

**SB-2930-SD-2**

Submitted on: 3/10/2018 6:43:32 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
C. Kai Lucas	Individual	Support	No

Comments:

Honorable Legislators:

The Defense Logistics Agency has explained in the public meetings held at Moanalua Middle School that these tanks fullfill a requirement of X gallons of Y fuel within Z area. The fuel at Red Hill is just reserve fuel. It is OUTRAGEOUS to endanger O'ahu's sole source aquifer for *any* reason. But this explanation isn't even a reason. The DLA can find another Z.

In the meantime, we can at *least* protect our water by improving the safety of the tanks.

malama i ka wai,

Kai Lucas



**SB-2930-SD-2**

Submitted on: 3/11/2018 5:20:43 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Mio Chee	Individual	Support	No

Comments:

**SB-2930-SD-2**

Submitted on: 3/11/2018 5:23:09 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Dyson Chee	Individual	Support	No

Comments:

**SB-2930-SD-2**

Submitted on: 3/11/2018 5:26:37 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Micah Chee	Individual	Support	No

Comments:

**SB-2930-SD-2**

Submitted on: 3/11/2018 5:37:48 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
David Chee	Individual	Support	No

Comments:

**SB-2930-SD-2**

Submitted on: 3/11/2018 11:48:47 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Jeannine Johnson	Individual	Support	No

Comments:

My name is Jeannine Johnson and I am from the Kona side of O'ahu and my drinking water and the water for my 'ohana, friends and neighbors, are all impacted by the Navy's antiquated fuel tanks at the Red Hill Bulk Fuel Storage Facility.

Freshwater is Hawai'i's most precious resource and it must be protected. The Navy's tanks put our water quality at risk, threaten our public health and is detrimental to the environment. They were constructed over 75 years ago and place 250 million gallons of fuel just 100 feet above O'ahu's primary aquifer that supplies drinking water to over 600,000 residents from HÅ•Iawa to Hawai'i Kai.

The Navy plans to replace its WWII-era underground storage tanks at its Manchester Fuel Depot in Washington State which only stores 75 million gallons. It can and should spend the money to protect the citizens of Hawai'i from its Red Hill fuel tanks that have leaked more than 200,000 gallons over the last 75 years.

I am in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible. Mahalo.

**SB-2930-SD-2**

Submitted on: 3/11/2018 6:30:14 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Randy Ching	Individual	Support	No

Comments:

**SB-2930-SD-2**

Submitted on: 3/11/2018 9:16:17 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Springer Kaye	Individual	Support	No

Comments:

**SB-2930-SD-2**

Submitted on: 3/11/2018 10:34:08 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Jacqueline Chico	Individual	Support	No

Comments:

I am a concerned Honolulu resident. The underground storage tanks at the US Navy's Red Hill storage facility are posing a threat to Oahu's groundwater. These tanks have an extensive history of leaking fuel into our environment since it was constructed. The tanks should not be stored 100 feet above our groundwater. Our drinking water supply is at risk. Why does my family and my community have to wait 20 years for vital upgrades to be done? These tanks should follow federal regulations and be upgraded with the newest technology to guarantee no more leaks. I support SB 2930 SD2.

Thank you for the opportunity to submit testimony and share my concerns.

Jacqueline Chico



**SB-2930-SD-2**

Submitted on: 3/12/2018 8:27:56 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Kimiko LaHaela Walter	Individual	Support	Yes

Comments:

Aloha Chair Lee, Vice Chair Lowen, and members of the Committee,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I have a family. A 3 year old daughter who drinks water from this aquifer. My mother. My partner. In fact, most of my friends and family on the island of O'ahu get their drinking water from this aquifer. The consequences of inaction by way of secondary containment OR decommissioning the tanks is **UNACCEPTABLE**. Every day these antiquated tanks threaten our groundwater and drinking water. Every day they could leak **TENS OF THOUSANDS** of gallons of jet fuel into our aquifer. How many leaks will it take before we take real, swift, and meaningful action? 50,000 gallon spills? 100,000 gallons at once? Let's not end up like Flint, Michigan. E ola i ka wai, water IS life...so let's protect it.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to testify on this extremely important matter.

With Aloha,

Kimiko LaHaela Walter of Mo'ilili

**SB-2930-SD-2**

Submitted on: 3/12/2018 9:05:18 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Tulsi Greenlee	Individual	Support	No

Comments:

Please support this bill. Thank you Tulsi Greenlee Haiku Hi 96708

lowen2 - Heather

---

From: patriciablair@everyactioncustom.com on behalf of Patricia Blair  
<patriciablair@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 8:22 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities. It is unconscionable that the State has allowed the Navy to ignore the threat to our drinking water. Fix it!

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Patricia Blair  
25 Aulike St Kailua, HI 96734-2746

lowen2 - Heather

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From: merahiangel@everyactioncustom.com on behalf of Nicole Gueco  
<merahiangel@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 7:44 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Nicole Gueco  
Waimanalo, HI 96795

lowen2 - Heather

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From: coconutwater2012@everyactioncustom.com on behalf of Deborah Umiamaka  
<coconutwater2012@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 4:05 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Deborah Umiamaka  
PO Box 1052 Kamuela, HI 96743-1052

lowen2 - Heather

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From: amayeda8@everyactioncustom.com on behalf of Aimee Mayeda <amayeda8@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 3:21 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

My name is [NAME] and I am a resident of [TOWN/AHUPUA'A]. I am writing you today to offer testimony in STRONG SUPPORT of SB 2930, requiring the Department of Health to adopt rules for underground storage tanks and tank systems to meet federal regulations including additional requirements for field-constructed tanks.

I am incredibly concerned that the underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since its construction. This facility is not alone, there are a handful of other field constructed tank facilities that also continue to pose a threat to our environment. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater.

Especially in light of the recent circuit court ruling that exemptions granted for the Red Hill tanks are and have long been in violation of state law, we must hold responsible agencies accountable and move quickly to ensure these tanks do not irrevocably contaminate our precious water resources!

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Aimee Mayeda  
600 Ala Moana Blvd Apt 4208 Honolulu, HI 96813-4978

lowen2 - Heather

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From: annettesadventures@everyactioncustom.com on behalf of Annette Kaohelaulii  
<annettesadventures@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 5:22 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

Thank you for the opportunity to submit testimony in SUPPORT of SB 2930, protecting our groundwater from possible contamination by the Red Hill fuel tank on Oahu. It is critical that you amend SB2930 SD2 to require the secondary containment of the fuel tanks now because of the threat to Oahu's groundwater if these tanks continue to leak.

In reality, these tanks should be upgraded right now in order to prevent future leaks and contamination of our groundwater on this island. The current fuel tanks were built over 70 years ago using 1940's technology. The Navy either needs to upgrade them as soon as possible or they should be moved to another location that does not threaten Oahu's groundwater.

Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible. Thank you

Sincerely,

Annette Kaohelaulii

Sincerely,  
Annette Kaohelaulii  
355 Aoloa St Apt D101 Kailua, HI 96734-3023



lowen2 - Heather

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From: asialeong@everyactioncustom.com on behalf of Asia Leong  
<asialeong@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 8:28 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Asia Leong  
Honolulu, HI 96825

lowen2 - Heather

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From: beyondthebeach1@everyactioncustom.com on behalf of Aj Jaeger  
<beyondthebeach1@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 7:37 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

Aloha,

Our aqua fires are only so big and dependent on rain. We just came out of a 2 yr drought so water is very important. I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,

Aj Jaeger

532 Paumakua Pl Kailua, HI 96734-3157

lowen2 - Heather

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From: BIANCA@everyactioncustom.com on behalf of BIANCA ISAKI  
<BIANCA@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 1:30 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
BIANCA ISAKI  
Kaneohe, HI 96744

lowen2 - Heather

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From: brittanykoa808@everyactioncustom.com on behalf of Brittany Koa <brittanykoa808@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 11:36 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Brittany Koa  
Ewa Beach, HI 96706

lowen2 - Heather

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From: mbucknova@everyactioncustom.com on behalf of Meredith Buck  
<mbucknova@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 10:26 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks within 5 years.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years. With 2018 technology and resources this should be no problem.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Meredith Buck  
77 -407 Pelenike Dr Kailua Kona, HI 96740-8921

lowen2 - Heather

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From: carie.sarver14@everyactioncustom.com on behalf of Carie Sarver <carie.sarver14@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 4:45 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am originally from Flint Michigan and am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. I can think of nothing more important than protecting our water. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

You probably are aware that many people in Flint still do not have clean water. I am extremely concerned for the safety of our groundwater here on O'ahu. We cannot afford to wait to take action. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O'ahu's groundwater.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Carie Sarver  
3945 Lurline Dr Honolulu, HI 96816-4005

lowen2 - Heather

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From: cathyaper@everyactioncustom.com on behalf of Cathy O'Leary Carey  
<cathyaper@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 5:49 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Cathy O'Leary Carey  
17696 Cumana Ter San Diego, CA 92128-1814

lowen2 - Heather

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From: coconutwater2012@everyactioncustom.com on behalf of Brant Page  
<coconutwater2012@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 4:06 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Brant Page  
Kamuela, HI 96743



lowen2 - Heather

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From: davidsher@everyactioncustom.com on behalf of Sherry Pollack  
<davidsher@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 3:44 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Sherry Pollack  
47 -185A HUI AKEPA Kaneohe, HI 96744

lowen2 - Heather

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From: infofordenise@everyactioncustom.com on behalf of Denise Boisvert  
<infofordenise@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 10:05 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

1989 Exxon Valdez – Alaska  
2010 Deepwater Horizon – Louisiana  
20?? Red Hill – Hawaii

No one plans to have a catastrophic disaster, but one can easily plan to prevent one.

The plan should have no short cuts, no band-aids to dress a gaping wound, and most importantly, no delays.

These aging fuel tanks have been a disaster-waiting-to-happen for 70 years. Now is the time for our elected officials to prioritize the health and safety of Oahu's citizens and tourists over the Navy's downplaying of this imminent danger.

I strongly support SB 2930 SD2 - - but, with an amendment to require secondary containment for field construction with interstitial monitoring by 2023. If that will not be done, then the tanks should be emptied by 2028, and retired by 2030.

Sincerely,  
Denise Boisvert  
225 Kaiulani Ave Apt 1604 Honolulu, HI 96815-3060

lowen2 - Heather

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From: herring.eileen@everyactioncustom.com on behalf of Eileen Herring  
<herring.eileen@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 2:21 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am EXTREMELY CONCERNED for the safety of our groundwater as should you be as well. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O'ahu's groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Eileen Herring  
1428 Dominis St Apt D Honolulu, HI 96822-3244

lowen2 - Heather

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From: coconutwater2012@everyactioncustom.com on behalf of Debbie Neves  
<coconutwater2012@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 4:05 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Debbie Neves  
PO Box 1052 Kamuela, HI 96743-1052

lowen2 - Heather

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From: erynn.fernandez@everyactioncustom.com on behalf of Erynn Fernandez  
<erynn.fernandez@everyactioncustom.com>  
Sent: Monday, March 12, 2018 9:55 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Erynn Fernandez  
Waipahu, HI 96797

lowen2 - Heather

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From: phylfong@everyactioncustom.com on behalf of Phyllis Fong  
<phylfong@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 3:44 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Phyllis Fong  
Aiea, HI 96701

lowen2 - Heather

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From: fujikane@everyactioncustom.com on behalf of Candace Fujikane  
<fujikane@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 12:35 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Candace Fujikane  
1733 Donagho Rd Honolulu, HI 96822-2315

lowen2 - Heather

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From: fujitar004@everyactioncustom.com on behalf of Ruth Fujita <fujitar004@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 9:40 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Ruth Fujita  
3331 Kamaaina Dr Honolulu, HI 96817-1031



lowen2 - Heather

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From: rfurst808@everyactioncustom.com on behalf of Richard Furst <rfurst808@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 3:18 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Richard Furst  
766 Hao St Honolulu, HI 96821-1652

lowen2 - Heather

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From: deegreen15@everyactioncustom.com on behalf of Wendy Green <deegreen15@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 11:52 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing this testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible. The tanks should be upgraded with secondary containment or emptied. These requirements should occur by 2028 and 2030 respectively. These tanks were built with old 1940's technology and should not be used because they are not sufficiently monitored or regulated even though they are a daily threat to our water.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023 because I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red storage facility have a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Wendy Green  
55 S Kukui St Apt 904 Honolulu, HI 96813-2321

lowen2 - Heather

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From: harveyarkin9@everyactioncustom.com on behalf of Harvey Arkin <harveyarkin9@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 4:27 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Harvey Arkin  
3349 Anoa'i Pl Honolulu, HI 96822-1419

lowen2 - Heather

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From: hawaiicondo@everyactioncustom.com on behalf of Kim Jorgensen  
<hawaiicondo@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 10:03 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

Woulda, coulda, shoulda - - three words that I hope to never hear our elected officials say after a catastrophic leak from the Red Hill jet fuel tanks. I strongly support SB 2930 SD2 - - but, with an amendment to require secondary containment for field construction with interstitial monitoring by 2023.

The recent missile crisis caused a massive and internationally embarrassing scare to the citizens of Hawaii. Changes were made to protocol and to equipment to prevent such a mistake from happening again.

Now is the time to make the most critical changes to the very real, documented, and continuing threat that these twenty gigantic jet fuel tanks make to this island's groundwater, and to the hundreds of thousands of citizens who depend on it.

If the secondary containment and interstitial monitoring will not be done, then the tanks should be emptied by 2028 and retired by 2030. Please make it impossible to hear and read, 'woulda, coulda, shoulda' in the same sentence with Red Hill.

Sincerely,  
Kim Jorgensen  
225 Kaiulani Ave Apt 1604 Honolulu, HI 96815-3060

lowen2 - Heather

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From: lholmes@everyactioncustom.com on behalf of L.M.Holmes  
<lholmes@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 6:48 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O'ahu's groundwater.

It is very important that you protect our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

The Red Hill fuel tanks need to be upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done, then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

Mahalo for your attention.

Sincerely,  
L.M. Holmes  
Honolulu, HI 96817

lowen2 - Heather

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From: jtitcomb@everyactioncustom.com on behalf of Kaumualii Titcomb  
<jtitcomb@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 3:46 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Kaumualii Titcomb  
Mililani, HI 96789

lowen2 - Heather

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From: kaleinaeole@everyactioncustom.com on behalf of Kalei Naeole  
<kaleinaeole@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 12:44 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Kalei Naeole  
5035 Big Red St Apt B Kapolei, HI 96707-3648

lowen2 - Heather

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From: katheehawaii@everyactioncustom.com on behalf of Kathee LeBuse  
<katheehawaii@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 2:54 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

Protecting our primary water source from chemical contamination is an URGENT matter. I am writing you today to offer testimony in STRONG SUPPORT of preventing future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as technically possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology, and the Navy should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to reasonably ensure they never leak into the environment again. If they cannot be immediately upgraded to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i have been more than patient, and cannot wait another 20 years for critical upgrades to be installed to these facilities. Should fuel ever reach the groundwater below, that main source for our most basic necessity would be off-line for decades.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Kathee LeBuse  
3039 Kalihi St Apt A Honolulu, HI 96819-3081



lowen2 - Heather

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From: kaweni.masaniai@everyactioncustom.com on behalf of Kaweni Ibarra  
<kaweni.masaniai@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 3:36 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Kaweni Ibarra  
96 -3191 Maile St Pahala, HI 96777

lowen2 - Heather

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From: kbbutalo@everyactioncustom.com on behalf of Christopher Baker  
<kbbutalo@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 12:52 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Christopher Baker  
Kaneohe, HI 96744

lowen2 - Heather

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From: kealii8@everyactioncustom.com on behalf of Kealii Makekau <kealii8@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 2:33 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Kealii Makekau  
2563 Date St Apt 312 Honolulu, HI 96826-5450

lowen2 - Heather

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From: mothra246@everyactioncustom.com on behalf of Earl Kim <mothra246@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 4:46 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you to offer STRONG SUPPORT for protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

The Red Hill fuel tanks should be upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Earl Kim  
775 Kinalau Pl Apt 908 Honolulu, HI 96813-2624

lowen2 - Heather

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From: kshimata@everyactioncustom.com on behalf of Kathy Shimata  
<kshimata@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 5:52 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

Thank you for the opportunity to share my concerns on this vital issue.

Sincerely,  
Kathy Shimata  
3453 Pawaina St Honolulu, HI 96822-1356

lowen2 - Heather

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From: P.LaHaela.Walter@everyactioncustom.com on behalf of Philipp LaHaela Walter  
<P.LaHaela.Walter@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 11:04 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Philipp LaHaela Walter  
Honolulu, HI 96826

lowen2 - Heather

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From: kainanid@everyactioncustom.com on behalf of Kainani Derrickson  
<kainanid@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 5:20 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Kainani Derrickson  
Kailua, HI 96734

lowen2 - Heather

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From: lesliannec42@everyactioncustom.com on behalf of L Cummings <lesliannec42@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 6:28 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater. Water is a precious and most valuable resource. It should be a number one priority

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
L Cummings  
4955 Hanawai St Lahaina, HI 96761-8815



lowen2 - Heather

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From: setolong@everyactioncustom.com on behalf of Kerry Long  
<setolong@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 8:14 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Kerry Long  
2424 A Waiomao Rd Honolulu, HI 96816-3424

lowen2 - Heather

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From: jamesakwon@everyactioncustom.com on behalf of James Kwon  
<jamesakwon@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 6:27 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

The current situation and the Navy's response is unacceptable. The Navy's continued delay and lack of action to remedy the situation is shameful and places the community at high risk. The Navy needs to fulfill its responsibilities under State and Federal law to address the fuel tanks. The Department of Defense should fulfill its responsibility to protect the environment and vital drinking water supply for Hawaii residents. The DoD has a poor record of polluting Hawaii's lands. This has to stop now and we need your help.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

The upgraded technology clearly is the best alternative. Please hold the Navy accountable for their actions that impact the lives of 10000s of Hawaii's residents.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
James Kwon

Sincerely,  
James Kwon  
2499 Kapiolani Blvd Honolulu, HI 96826-5310

lowen2 - Heather

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From: mahelonay@everyactioncustom.com on behalf of Yvonne Mahelona  
<mahelonay@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 11:51 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Yvonne Mahelona  
Kapolei, HI 96707

lowen2 - Heather

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From: makikirandy@everyactioncustom.com on behalf of Randy Ching  
<makikirandy@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 5:14 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Randy Ching  
741 8th Ave Apt C Honolulu, HI 96816-2171

**SB-2930-SD-2**

Submitted on: 3/12/2018 10:14:46 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
R. Kinslow	Individual	Support	No

Comments:

As a systems structural engineer and longtime resident of Oahu community, this bill makes sense. Let's us hurry to do whaty is right for our people and for the long term resilience of our communities. The Navy should step up and do what is best. Double lined tanks are the standard and should be quickly upgraded using the billions of extra dollars the US Congress has allocated for our military. Please step up everyone.

lowen2 - Heather

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From: Marisaplemer@everyactioncustom.com on behalf of Marisa Plemer  
<Marisaplemer@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 11:16 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Marisa Plemer  
59 -8 Huelo St Haleiwa, HI 96712-9710

lowen2 - Heather

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From: mdeycaza@everyactioncustom.com on behalf of Michael deYcaza  
<mdeycaza@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 5:05 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Michael deYcaza  
Honolulu, HI 96836

lowen2 - Heather

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From: mendezj@everyactioncustom.com on behalf of Javier Mendez  
<mendezj@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 4:13 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Javier Mendez  
1326 Alewa Dr Apt B Honolulu, HI 96817-1200



lowen2 - Heather

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From: meozoa@everyactioncustom.com on behalf of Mykie Ozoa  
<meozoa@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 12:31 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Mykie Ozoa  
Kailua, HI 96734

lowen2 - Heather

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From: nsurfecoast@everyactioncustom.com on behalf of Nicholas Chagnon  
<nsurfecoast@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 5:01 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Nicholas Chagnon  
3132 Williams St Honolulu, HI 96816-1289

lowen2 - Heather

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From: naneaclo@everyactioncustom.com on behalf of Nanea Lo  
<naneaclo@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 11:21 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Nanea Lo  
1017 16th Ave Apt A Honolulu, HI 96816-4197

lowen2 - Heather

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From: barbarageorge40@everyactioncustom.com on behalf of Barbara George  
<barbarageorge40@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 2:35 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Barbara George  
Haleiwa, HI 96712

lowen2 - Heather

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From: nihipalim001@everyactioncustom.com on behalf of Michele Last Name <nihipalim001@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 6:17 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Michele Last Name  
54 -74 Kamehameha Hwy # A Hauula, HI 96717-9647

lowen2 - Heather

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From: nicolesees19@everyactioncustom.com on behalf of Nicole Sees <nicolesees19@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 1:21 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Nicole Sees  
91 -1149 Pohahawai Pl Ewa Beach, HI 96706-1823

lowen2 - Heather

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From: oleimomimo@everyactioncustom.com on behalf of Olan Leimomi Fisher  
<oleimomimo@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 5:39 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I STRONGLY SUPPORT protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Mahalo nui for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Olan Leimomi Fisher  
Mililani, HI 96789

lowen2 - Heather

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From: paka@everyactioncustom.com on behalf of Isaac Harp  
<paka@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 6:50 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to remove these massive fuel tanks as soon as possible.

Mahalolo!

Sincerely,  
Isaac Harp  
PO Box 437347 Kamuela, HI 96743-3047



lowen2 - Heather

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From: palmtree7@everyactioncustom.com on behalf of Janice Palma-glennie <palmtree7@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 10:15 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

Aloha,

I've attended several hearings regarding this bill. That's why I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Mahalo for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Janice Palma-glennie  
Kailua Kona, HI 96740

lowen2 - Heather

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From: gpuppione@everyactioncustom.com on behalf of Gregory Puppione  
<gpuppione@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 4:28 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater. This seems like a very necessary and important next step IF they intend to keep those tanks filled.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue, and for your service to our community. I hope you'll take swift action to support this measure.

Sincerely,  
Gregory Puppione  
563 Kamoku St # A-5 Honolulu, HI 96826-5245

lowen2 - Heather

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From: cputnamroberts@everyactioncustom.com on behalf of Cathy Roberts  
<cputnamroberts@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 7:10 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Cathy Roberts  
PO Box 8903 Honolulu, HI 96830-0903

lowen2 - Heather

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From: romaaquino@everyactioncustom.com on behalf of Roma Lee  
<romaaquino@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 6:32 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Roma Lee  
989 Kina St Kailua, HI 96734-3604

lowen2 - Heather

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From: roybehjati@everyactioncustom.com on behalf of Khosrow Behjati  
<roybehjati@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 5:05 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Khosrow Behjati  
3009 Ala Makahala Pl Apt 1202 Honolulu, HI 96818-7607

lowen2 - Heather

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From: ashzz@everyactioncustom.com on behalf of Ashley Wilcox  
<ashzz@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 5:36 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Please do the right thing for us, our keiki, the earth and all that come after us!

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Ashley Wilcox  
45 Pualu Loop Lahaina, HI 96761-9187

From: jody.smith@everyactioncustom.com on behalf of Jody Smith  
<jody.smith@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 9:51 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I like clean water! I live on an island that relies on groundwater as a potable drinking water source. We know how to keep our drinking water supplies clean, we just need to implement the technology.

Please do NOT COMPROMISE our drinking water resources for O'ahu.

I STRONGLY SUPPORT protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Jody Smith  
500 Lunalilo Home Rd Honolulu, HI 96825-1752

lowen2 - Heather

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From: rsugawa@everyactioncustom.com on behalf of Rochelle Sugawa  
<rsugawa@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 2:09 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Rochelle Sugawa  
Honolulu, HI 96816



lowen2 - Heather

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From: swc156@everyactioncustom.com on behalf of Stephen Canham <swc156@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 6:48 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Yes, the content of this message was drafted by others, but it is succinct, accurate as far as I know, and I fully agree with it. I did not simply sign on without reading or considering what I am sending to you.

So, please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and it should be able to adequately upgrade this leaky, antiquated facility in the next five years using 2018 engineering.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment-- over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the- art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you.

Sincerely,  
Stephen Canham  
46 -156 Nahiku Pl Kaneohe, HI 96744-3624

lowen2 - Heather

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From: tia.pearson@everyactioncustom.com on behalf of Tia Pearson  
<tia.pearson@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 7:25 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater. People depend upon this groundwater and unregulated water can bring all sorts of health problems.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons (which is a ridiculously high amount to be going into our environment) since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai 'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Tia Pearson  
PO Box 861697 Wahiawa, HI 96786-8563

lowen2 - Heather

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From: valerieweiss31@everyactioncustom.com on behalf of Valerie Weiss <valerieweiss31@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 4:48 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Valerie Weiss  
6616 Alahele St Kapaa, HI 96746-9426

lowen2 - Heather

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From: vatincher@everyactioncustom.com on behalf of Virginia Van Kuran  
<vatincher@everyactioncustom.com>  
Sent: Saturday, March 10, 2018 4:38 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Virginia Van Kuran  
7012 Hawaii Kai Dr Honolulu, HI 96825-4137

lowen2 - Heather

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From: woonicole@everyactioncustom.com on behalf of Nicole Woo  
<woonicole@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 3:50 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Nicole Woo  
700 Richards St Honolulu, HI 96813-4605

lowen2 - Heather

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From: lucialyou@everyactioncustom.com on behalf of Lucia You  
<lucialyou@everyactioncustom.com>  
Sent: Sunday, March 11, 2018 3:57 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Lucia You  
989 Kina St Kailua, HI 96734-3604

lowen2 - Heather

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From: matandshantelle@everyactioncustom.com on behalf of Shantelle Rackowski-Villafuerte <matandshantelle@everyactioncustom.com>  
Sent: Monday, March 12, 2018 5:30 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Shantelle Rackowski-Villafuerte  
1387 NE Hostmark St Poulsbo, WA 98370-7681

lowen2 - Heather

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From: adriane.raffcorwin@everyactioncustom.com on behalf of Adriane Raff Corwin  
<adriane.raffcorwin@everyactioncustom.com>  
Sent: Monday, March 12, 2018 10:34 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

As a Maui resident with many friends in Honolulu, I shudder to think what will happen if the Red Hill Fuel Tanks contaminate O'ahu's groundwater. It is best to mitigate the risk today instead of waiting for the inevitable disaster to strike. If nothing is done and Honolulu becomes the next Flint, this will be devastating not only for public health and the environment but also the local economy.

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Adriane Raff Corwin  
Wailuku, HI 96793



lowen2 - Heather

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From: braulick@everyactioncustom.com on behalf of Nathan Braulick  
<braulick@everyactioncustom.com>  
Sent: Monday, March 12, 2018 10:06 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Nathan Braulick  
4348 Waialae Ave Honolulu, HI 96816-5767

lowen2 - Heather

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From: kylie110@everyactioncustom.com on behalf of Kylie Cruz <kylie110@everyactioncustom.com>  
Sent: Monday, March 12, 2018 10:16 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

Water is our most precious resource, and our government has a duty to protect it. In the 21st century, we deserve peace of mind that our drinking water is safe and free of harmful contaminants. Hawai'i provides the Navy with so many benefits and resources, and therefore, the Navy should ensure that it does not put our drinking supply and people at risk.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Kylie Cruz  
Honolulu, HI 96815

lowen2 - Heather

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From: lynettewilliams@everyactioncustom.com on behalf of Lynette Williams  
<lynettewilliams@everyactioncustom.com>  
Sent: Monday, March 12, 2018 10:22 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am deeply concerned for the safety of our water supply. The underground storage tanks at the U.S. Navy's Red Hill storage facility pose an extremely dangerous threat to O'ahu's groundwater.

I STRONGLY SUPPORT protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible, including interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030.

The Red Hill facility has leaked over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they NEVER leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Lynette Williams  
44 -126 Kauinohea Pl Kaneohe, HI 96744-2528

lowen2 - Heather

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From: mollymamaril@everyactioncustom.com on behalf of Molly Mamaril  
<mollymamaril@everyactioncustom.com>  
Sent: Monday, March 12, 2018 11:00 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

Aloha Chair Lee, Chair Lowen and members of the Committee,

I hope you are well - I am writing to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Mahalo nui for the opportunity to share my concerns on this urgent issue.

Sincerely,  
Molly Mamaril

Sincerely,  
Molly Mamaril  
Honolulu, HI 96822

lowen2 - Heather

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From: rihamasa@everyactioncustom.com on behalf of Richard Hamasaki  
<rihamasa@everyactioncustom.com>  
Sent: Monday, March 12, 2018 10:07 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

Aloha Chair Lee, Chair Lowen, and members of the Committee:

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

Every man-made creation eventually fails; time ravages plastic, steel, rubber, glass, concrete, aluminum, everything. It's only a matter of time when the U.S. Navy's fuel tanks located at Red Hill, O'ahu will be compromised. When leaks occur, Honolulu's aquifer that serves hundreds of thousands of residents and millions of visitors, including uniformed personnel and their families, will be poisoned. As leakages occur, men, women, and children will die from contaminated toxic drinking water; furthermore, cancer and other related diseases will kill thousands and negatively impact residents for generations to come.

Of further concern, our precious freshwater resource, a magnificent aquifer, located below the Navy's storage tanks also includes many invisible underwater springs located off O'ahu's southshore that lay hidden among onshore reefs. Toxic fuel leaking from the Navy's 20 storage tank leaks that contain approximately 250,000,000 gallons of fuel will adversely impact marine life as well as native birds and other nonhuman, living entities.

Nearly all U.S. military personnel and their dependents are temporarily assigned to Hawai'i and they will move elsewhere; however, we residents live here permanently. Storing fuel of this magnitude above a critical fresh water reserve is not only a horrible travesty, it foreshadows a heinous tragedy. Any local family will tell you that there is no margin of error, large, medium, or small, once leakage occurs. It's also disgustingly ironic that the Navy's mission which purports to "protect America" has the audacity to claim that these fuel tanks are safe. Acts of war, sabotage, human error, system failure, and inevitable "acts of God" will result in permanent poisoning of our underground fresh water resources located directly below these fuel tanks when they are compromised. Leakages of any quantity will devastate our population.

The Navy cannot guarantee keeping our precious water safe because the only skin that they have in the "game" is that every current high ranking admiral responsible for the 250,000,000 gallons of fuel stored above our precious aquifer will move on to other places when they are reassigned or retire. We residents know that our descendants will be here for millennium after millennium. Therefore, unequivocally, the Navy must recuse themselves from being false advocates of ensuring the safety of these tanks. Alternative storage solutions must be explored as soon as possible.

Until these fuel tanks are completely emptied, cleansed and abandoned, I fully support SB 2930.

Mahalo,

Richard Hamasaki (Kāne'ohe, O'ahu)

Sincerely,  
Richard Hamasaki  
45 -417 Pailaka Pl Kaneohe, HI 96744-2011

**SB-2930-SD-2**

Submitted on: 3/12/2018 11:32:37 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Michelle Cabalse	Individual	Support	No

Comments:

We need more accountability and transparency to protect our water. Lessons learned from oil leaks into groundwater on the mainland are clear case to be extra cautious.

lowen2 - Heather

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From: aikoy@everyactioncustom.com on behalf of Aiko Yamashiro  
<aikoy@everyactioncustom.com>  
Sent: Monday, March 12, 2018 12:20 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

The Navy continues to say these fuel tanks are crucial to national security. But clean fresh water, without which we cannot survive--is **GENUINE** security, and the most important thing to safeguard. The military has a very poor historical record of cleaning contaminated sites that they have occupied in Hawai'i (Mākuā Valley, Kaho 'olawe, not to mention the Superfund site of Pearl Harbor), and our fresh water is a matter of public safety that we absolutely cannot risk.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Aiko Yamashiro  
Kaneohe, HI 96744



lowen2 - Heather

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From: uluusrf@everyactioncustom.com on behalf of brett gobar  
<uluusrf@everyactioncustom.com>  
Sent: Monday, March 12, 2018 12:34 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
brett gobar  
792065 PO Paia, HI 96779

lowen2 - Heather

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From: joelypop@everyactioncustom.com on behalf of Cheryl Reeser  
<joelypop@everyactioncustom.com>  
Sent: Monday, March 12, 2018 1:13 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Cheryl Reeser  
51 Kealaloa Ave Makawao, HI 96768-9069

lowen2 - Heather

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From: stoole@everyactioncustom.com on behalf of Sarah Toole  
<stoole@everyactioncustom.com>  
Sent: Monday, March 12, 2018 1:22 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Sarah Toole  
Honolulu, HI 96818

lowen2 - Heather

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From: braulick@everyactioncustom.com on behalf of Nathan Braulick  
<braulick@everyactioncustom.com>  
Sent: Monday, March 12, 2018 1:37 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Nathan Braulick  
4348 Waialae Ave Honolulu, HI 96816-5767

lowen2 - Heather

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From: cullenhaya@everyactioncustom.com on behalf of Cullen Hayashida  
<cullenhaya@everyactioncustom.com>  
Sent: Monday, March 12, 2018 1:55 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

Today, the Honolulu Star Advertiser featured an article by Captain Richard D. Hayes III of the Navy sharing his views that the Navy is working to address the difficult issues Hawaii faces with the multiple reoccurrence of the fuel leaks. His message seemed genuine and notes that some work has taken place to over the past 4 years. Captain Hayes points out that someone from the Navy will provide a progress report at the Moanalua Middle School Public Hearing on March 5, 2018. What I was expecting instead was a commitment to a schedule to remove this threat to Oahu's permanent residents within 5 years. If not 5, maybe 6 but not 20.

It is for that reason that I am in:

1. STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks and therefore requesting an amendment to SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.
2. STRONG SUPPORT of having the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

The Navy and the Defense Department play a vital role in Hawaii in supporting our economy and protecting the nation. No question about that. What disappoints me is that the Navy senses no cause for alarm with their 20 year plan and the State Department of Health concurs with its willingness to waive state rules to support the Navy's claims.

If the community does not protect Hawaii's people, who will?

Cullen T. Hayashida, Ph.D.  
Moanalua Gardens Community  
Honolulu, Hawaii

Sincerely,  
Cullen Hayashida  
2233 Ala Mahamoe St Honolulu, HI 96819-1631

**LATE**

**SB-2930-SD-2**

Submitted on: 3/12/2018 2:49:33 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Kelsey Amos	Individual	Support	No

Comments:

I support this bill. Please make the Navy either stop using these storage tanks, or rennovate them so that there are no future leaks into O'ahu's aquifer. This is a serious threat to the human and environmental health of this island, and it needs to be addressed, now.

**LATE**

lowen2 - Heather

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From: bentonrodden@everyactioncustom.com on behalf of Benton Rodden  
<bentonrodden@everyactioncustom.com>  
Sent: Monday, March 12, 2018 2:12 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Benton Rodden  
Honolulu, HI 96822

**LATE**

lowen2 - Heather

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From: cjladera123@everyactioncustom.com on behalf of Christian James Ladera  
<cjladera123@everyactioncustom.com>  
Sent: Monday, March 12, 2018 2:20 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Christian James Ladera  
Honolulu, HI 96819



**LATE**

lowen2 - Heather

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From: jamesderekmanuwa@everyactioncustom.com on behalf of James Derek Manuwa  
<jamesderekmanuwa@everyactioncustom.com>  
Sent: Monday, March 12, 2018 2:23 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
James Derek Manuwa  
1240 Sand Island Pkwy Honolulu, HI 96819-4315

**LATE**

lowen2 - Heather

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From: kimfalinski@everyactioncustom.com on behalf of Kim Falinski  
<kimfalinski@everyactioncustom.com>  
Sent: Monday, March 12, 2018 2:57 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Kim Falinski  
665 Walea Pl Honolulu, HI 96817-1618

From: rmcgiv@everyactioncustom.com on behalf of Riley McGivern  
<rmcgiv@everyactioncustom.com>  
Sent: Monday, March 12, 2018 2:31 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Riley McGivern  
3048 Maigret St Honolulu, HI 96816-1931

**LATE**

lowen2 - Heather

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From: czavala711@everyactioncustom.com on behalf of Christian Zavala <czavala711@everyactioncustom.com>  
Sent: Monday, March 12, 2018 3:28 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Christian Zavala  
PO Box 63061 Mcbh Kaneohe Bay, HI 96863-3061

**LATE**

**SB-2930-SD-2**

Submitted on: 3/12/2018 4:11:50 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Kim Coco Iwamoto	Individual	Support	No

Comments:

Support with amendments: When the legislature indicates that the "protection of groundwater is a matter of the highest priority" - that should mean fix the problem today, not in 5 years, not in 10 years, not in 20 years.

"Navy has already reached an agreement with the Environmental Protection Agency (EPA) setting a timeframe to renovate Red Hill by 2037" This is not soon enough. State's may pass laws that offer greater protections to its people - and we must.

Contaminating our ground water would be devastating to our people - and the legislature's number one sacred cow - tourism. Please hold the U.S. Military accountable to the people it claims to be here to protect.

**LATE**

**SB-2930-SD-2**

Submitted on: 3/12/2018 5:16:55 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Barbara Best	Individual	Support	No

Comments:

**LATE**

**SB-2930-SD-2**

Submitted on: 3/12/2018 6:32:25 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Nanea Lo	Individual	Support	No

Comments:

Hello,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Nanea Lo

**SB-2930-SD-2**

Submitted on: 3/12/2018 6:35:18 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Ken Stover	Individual	Support	No

Comments:



**LATE**

**SB-2930-SD-2**

Submitted on: 3/12/2018 11:33:07 PM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Gregory Gushiken	Individual	Support	Yes

Comments:

Aloha ‘Ā€ina kĀ• kou e Honorable Senators, Vice-Chair Lowen, and Chair Lee,

My name is Gregory Gushiken and I am a Kanaka Maoli senior studying political science at the University of Hawai‘i at Manoa. As a descendant of this land, a lifelong resident of O‘ahu, and an advocate and as an aspiring political scientist, I express my **STRONG SUPPORT** for protecting our groundwater from future and further contamination by the Red Hill Fuel Tanks and urge you to amend SB 2930 SD2 to require secondary containment for field constructed tanks, for each moment without these protections exponentially increases the risk we put our keiki, our kĀ«puna, and our families at risk.

As a resident of Central O‘ahu, I am deeply concerned for the groundwater that feeds my community. In the 75 years since its construction, the Red Hill facility has repeatedly leaked fuel into the land upon which we raise our families, catalyze our futures, and pursue our dreams. Since 1943, the Red Hill Fuel tanks have leaked over 200,000 gallons of fuel into our soil, into our water, and into our bodies. As both kanaka and settler communities in Hawai‘i are irrevocably dependent on the health of our groundwater to sustain the health of our communities, leakage into the soil that is our ancestor, Papa, so, too, permeates through our veins like black smoke rising over our ocean rivers, contaminating our bloodstream and suffocating our lungs. The health of a community cannot be separated from the health of the land upon which we live our lives. The Red Hill storage facility is not sufficiently regulated, despite the looming threat it poses to our O‘ahu families.

Thus, with the health of our children, our elders, and those who are most vulnerable in our communities at risk, the Red Hill fuel tanks must be upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks must be emptied by 2028, and retired by 2030. It is the duty of the U.S. Navy, who has already ravaged our soil and our people for over a century, to do what is right and seek the responsible course of action for our communities. Thus, retrofitting, removing, or otherwise reconstructing the Red Hill facility should be wholly feasible, as the site was constructed in the 1940s in under three years.

These tanks must be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If the Red Hill Facility fuel tanks cannot be

immediately upgraded enough to guarantee that they will not leak, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities. For the protection of our children as they grow and develop, as our elders transition to the final stage of their lives, and those of us in between as we live our lives, future leakages must be stopped today.

As a Kanaka Maoli, I believe that it is not only my people's kuleana to care for and defend this land but also the legislators in whom we place our absolute trust. The people of Hawai'i, Kā• naka Maoli, and our allies desire one single goal: genuine security. To quote Uncle George Helm, we must ask ourselves, "what is national defense when what is being destroyed is the same thing the military is sworn to protect?" Genuine security is not always about neatly-signed treaties and tightly knit borders; it is living without the fear of chemicals, the fear of our own water, and the fear of violence in our own veins. As elected officials of this archipelago, you have earned the vested interest of our people. We have come to the polls, aligned with your values, and entrusted you with the protection of our best interests. We believe in your ability to craft and implement legislation that is best for our people, and we hope that you will hear our voices clearly today. Mahalo a nui loa for this opportunity to share with you my, my family's, and my community's concerns on this extremely important issue today, and I urge you again to amend SB 2930 to require a secondary containment for the tanks at the U.S. Navy's Red Hill facility.

**LATE**

**SB-2930-SD-2**

Submitted on: 3/12/2018 7:32:11 PM  
Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Dee Fulton	Individual	Support	No

Comments:

Please advance the effective date of this bill!

Mahalo,

Dee Fulton

Holualoa, HI

**LATE**

**SB-2930-SD-2**

Submitted on: 3/13/2018 6:52:06 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Deborah Ward	Individual	Support	No

Comments:

Aloha, I strongly support this bill to protect our vital drinking water supply. Please help protect our economy, our residents, and our natural resources. Thank you! Deborah Ward

**LATE**

**SB-2930-SD-2**

Submitted on: 3/13/2018 8:56:51 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Wendy Arbeit	Individual	Comments	No

Comments:

I believe the intent of this bill would be better met if it included the amendments proposed by the Sierra Club of Hawaii deleting Section 2 and adding a new section designated HRS 342L-38 codifying the requirements into the statute.

**LATE**

**SB-2930-SD-2**

Submitted on: 3/13/2018 9:45:17 AM

Testimony for EEP on 3/13/2018 8:30:00 AM

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Jennifer Milholen	Individual	Support	No

Comments:

**LATE**

lowen2 - Heather

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From: gerlinde@everyactioncustom.com on behalf of Gerlinde Morris  
<gerlinde@everyactioncustom.com>  
Sent: Monday, March 12, 2018 5:48 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Gerlinde Morris  
Hilo, HI 96720

**LATE**

lowen2 - Heather

From: Tatyana Cerullo <tatyana@kokuasuncare.com>  
Sent: Monday, March 12, 2018 5:37 PM  
To: EEPtestimony  
Subject: Testimony in STRONG SUPPORT for SB2571 SD2 -- EEP

Testimony in **STRONG SUPPORT**

Tatyana Cerullo

OWNER

Kōkua Sun Care

SB2571 SD2; EEP; Room 325; 3/13 8:30am

Dear Committee Members:

Oxybenzone and octinoxate are "noxious endocrine disruptors" that "feminize male fish," so what are they doing to us? Oxybenzone is found in around 65% or more of non-mineral sunscreens and is not only an allergen and kills coral with drastic effects to Hawaii's economy and way of life, but it also acts as a weak estrogen, has potent anti-androgenic effects, and lowers testosterone levels in men and boys. The Centers for Disease Control and Prevention has detected oxybenzone in more than 96 percent of the American population, based on a representative sampling of children and adults.

"You can find these chemicals in the water almost everywhere you go swimming in Hawaii. They come not just from swimmers, but our sewage, which is loaded with these and other personal care product chemicals. In less than 30 minutes after applying an oxybenzone sunscreen to your skin, you can detect it in your urine. Everything that comes off of us or out of us goes back to the ocean.... It is estimated that over 500 tons of sunscreen pollute the waters surrounding Hawaii." - excerpt from Honolulu Advertiser 3/8/2018 article by Craig Downs, executive director of Haereticus Environmental Laboratory, and Lisa Bishop, president of Friends of Hanauma Bay.

There are many alternatives on the market to toxic sunscreens. I am the owner of a Hawaii-based company called Kōkua Sun Care that is selling 3 oz tubes of a Hawaiian Natural Zinc Sunscreen 50 SPF/80 minute water resistance. See [www.kokuasuncare.com](http://www.kokuasuncare.com). The active ingredient is 25% zinc and reef safe, and we are using 7 Hawaii-grown antioxidant ingredients. It was formulated and is manufactured in a FDA-certified facility, FDA-tested, labeled and registered in accordance with FDA regulations. There are many sunscreens on the market free of these harmful chemicals available throughout Hawai'i. Non-nano zinc oxide is the most effective broad spectrum (i.e., UVA and UVB) sunscreen on the market and the safest for the environment.

I strongly support this bill along with a large community of people who do, too.

Mahalo for your consideration.

--

Tatyana Cerullo

Creative Director/Co-Owner

Kōkua Sun Care LLC

Honolulu, Hawaii

[www.kokuasuncare.com](http://www.kokuasuncare.com)

[www.bestzincsunscreen.com](http://www.bestzincsunscreen.com)

[\(808\) 722-6816](tel:(808)722-6816)



**LATE**

lowen2 - Heather

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From: recoverthis99@everyactioncustom.com on behalf of Ceclia Reilly <recoverthis99@everyactioncustom.com>  
Sent: Monday, March 12, 2018 10:42 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Ceclia Reilly  
100 Kane Rd Haiku, HI 96708-5828

**LATE**

lowen2 - Heather

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From: nchatter@everyactioncustom.com on behalf of Nicole Chatterson  
<nchatter@everyactioncustom.com>  
Sent: Monday, March 12, 2018 5:20 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am student from the University of Hawaii writing in SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks, including an amendment SB 2930 SD2 to require secondary containment for field constructed tanks.

It is important to me that we do all that we can to provide health, clean, safe drinking water to our island residents,

Thank you for the opportunity to share my concerns on this extremely important issue.

With Aloha,  
Nicole Chatterson

Sincerely,  
Nicole Chatterson  
3029 Lowrey Ave Apt H3115 Honolulu, HI 96822-6821

lowen2 - Heather

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From: dannajolsen@everyactioncustom.com on behalf of Danna Olsen  
<dannajolsen@everyactioncustom.com>  
Sent: Monday, March 12, 2018 9:03 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I just moved to Honolulu from Madison, Wisconsin. I recently earned my masters in public health, focusing on environmental health. I came to Hawaii to work in my field and live in one of the most beautiful places on earth. I also came here for the culture. I wanted to be surrounded by people who have respect for the environment. I've been here a little over a month and I'm disappointed to discover that Hawaii's accepting and laid back culture has allowed such environmental degradation. It's shocking and sickening to see the harm the military has inflicted. Please take a stand to protect clean water.

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Danna Olsen  
419 Keoniana St Apt 703 Honolulu, HI 96815-2027

**LATE**

lowen2 - Heather

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From: darlene.rodrigues@everyactioncustom.com on behalf of Darlene Rodrigues  
<darlene.rodrigues@everyactioncustom.com>  
Sent: Monday, March 12, 2018 7:54 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Darlene Rodrigues  
Mililani, HI 96789

**LATE**

lowen2 - Heather

From: dok@everyactioncustom.com on behalf of Pete Doktor  
<dok@everyactioncustom.com>  
Sent: Monday, March 12, 2018 8:21 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

Aloha `aina. As a former Army medic turned DOE teacher, I am writing this testimony in strong support of protecting our groundwater from more future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, sooner than later- do not gamble with our keiki's lives!

As a parent who can see Red Hill from our home, I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. Everyday, our `ohana uses & drinks tap water- the slightest contamination could wreck my toddler daughter's brain & body development. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years. Do non-military lives matter, too?

As a member of the Veterans for Peace, local chapter 113, I share concerns for the safety of clean groundwater- the source of all life here & elsewhere. The targeting of essential natural resources has been posed by terrorists; meanwhile, the US Navy has effectively held Honolulu's groundwater hostage for its own self-interests, snubbing public health & safety concerns of the people. ANY military that threatens the life sources of a people are by definition the security threat.

The lives of people should be considered the top "national security" priority. In fact, the framers of the US Constitution specified civilian rule over the military- not the other way around, as posed by the Navy to "entrust" DoD agencies with exemption from the same accountability posed on both private & public sectors. Opposition to reasonable, citizen-centered regulation to protect our most precious life sources can only be seen as contempt to the foundations of democratic society. ANY military that prioritizes its interests over the interests of the people are by definition a threat to democratic society. THIS IS NOT SECURITY.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, including over 200,000 gallons since it was constructed in 1943 making this a real threat, not an existential, theoretical or ideological preoccupation. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai `i cannot wait another 20 years for critical upgrades to be installed to these facilities. We do not want another major fail by the Navy again, as they did with the failed "clean up" of Kaho`olawe!

Mahalo nui loa for including & representing the many concerns of the people on this extremely important issue, and not maintaining the status-quo systematic bias of prioritizing military interests over that of the people (a.k.a., militarism). E Maalama Pono.

Sincerely,  
Pete Doktor  
2168 Maha PI Apt A Honolulu, HI 96819-1603

**LATE**

lowen2 - Heather

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From: kanakamaoli@everyactioncustom.com on behalf of Ikaika Lum  
<kanakamaoli@everyactioncustom.com>  
Sent: Monday, March 12, 2018 10:13 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Ikaika Lum  
95 -684 Maiaku St Mililani, HI 96789-2812

**LATE**

lowen2 - Heather

From: kanoeh.nakata@everyactioncustom.com on behalf of Kanoelehua Nakata  
<kanoeh.nakata@everyactioncustom.com>  
Sent: Tuesday, March 13, 2018 12:49 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023 at the latest. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years. By not upgrading these tanks shows bad management and a lack of respect for the environment and Hawaii's people.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O'ahu's groundwater. Storage tanks at a everyday gas station have secondary containment and have monitors on it that watch for leaks. These 20 something tanks should have some sort of monitoring systems.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities. It took 4 years for the storage tanks to be built, it shouldn't take 5 times longer to improve upon the tanks.

I strongly urge the senate to consider the consequences of not amending SB 2930 SD2 to require secondary containment for field constructed tanks at Red Hill. This is not only an environmental issue but a Health and safety issue. O'ahu's drinking water is at stake. The need for these fuel storage tanks at red hill were once very necessary but now they are not. So why put O'ahu's drinking water at risk.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Kanoelehua Nakata  
1245 Mokapu Blvd Kailua, HI 96734-1848

**LATE**

lowen2 - Heather

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From: maximpt@everyactioncustom.com on behalf of Maxim Poudrier-Tudan  
<maximpt@everyactioncustom.com>  
Sent: Monday, March 12, 2018 6:08 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Maxim Poudrier-Tudan  
3462 Pakui St Honolulu, HI 96816-2838



**LATE**

lowen2 - Heather

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From: jmenina77@everyactioncustom.com on behalf of Justin Menina <jmenina77@everyactioncustom.com>  
Sent: Tuesday, March 13, 2018 9:17 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

Testimony in SUPPORT - SB2930 SD2 - EEP 3/13/18 8:30AM

Aloha Chair Lee, Chair Lowen, and members of the Committee,

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

It is pertinent that the Red Hill fuel tanks be upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Mahalo,  
Justin Menina

91-1297 Hoopio St  
Ewa Beach, Hi 97606

Sincerely,  
Justin Menina  
91 1297 HOOPIO St Ewa Beach, 97606

**LATE**

lowen2 - Heather

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From: paul@everyactioncustom.com on behalf of Paul Arinaga  
<paul@everyactioncustom.com>  
Sent: Tuesday, March 13, 2018 12:46 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Paul Arinaga  
2596 Booth Rd Apt A Honolulu, HI 96813-7117

**LATE**

lowen2 - Heather

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From: rmcgiv@everyactioncustom.com on behalf of Riley McGivern  
<rmcgiv@everyactioncustom.com>  
Sent: Monday, March 12, 2018 9:50 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Riley McGivern  
3048 Maigret St Honolulu, HI 96816-1931

**LATE**

lowen2 - Heather

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From: kstover@everyactioncustom.com on behalf of Ken Stover  
<kstover@everyactioncustom.com>  
Sent: Monday, March 12, 2018 6:45 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Ken Stover  
490 Mikiioi Pl Kihei, HI 96753-9460

**LATE**

lowen2 - Heather

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From: sd3@everyactioncustom.com on behalf of Susan Douglas <sd3@everyactioncustom.com>  
Sent: Monday, March 12, 2018 5:04 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Susan Douglas  
84 A Iliwai Loop Kihei, HI 96753-7101

**LATE**

lowen2 - Heather

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From: Hautre77@everyactioncustom.com on behalf of Teri Skillman <Hautre77@everyactioncustom.com>  
Sent: Monday, March 12, 2018 10:01 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in STRONG SUPPORT of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Teri Skillman  
2833 Nihi St Honolulu, HI 96819-3838

**LATE**

lowen2 - Heather

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From: ululaniiv@everyactioncustom.com on behalf of Ululani Kahikina  
<ululaniiv@everyactioncustom.com>  
Sent: Tuesday, March 13, 2018 8:30 AM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Ululani Kahikina  
PO Box 4963 Kaneohe, HI 96744-8963

**LATE**

lowen2 - Heather

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From: czavala711@everyactioncustom.com on behalf of Christian Zavala <czavala711@everyactioncustom.com>  
Sent: Monday, March 12, 2018 3:28 PM  
To: EEPtestimony  
Subject: Testimony in SUPPORT - SB 2930 - EEP 3/13/18 8:30AM

Dear Chair Lee, Vice Chair Lowen, and Members of the Committee on Energy & Environmental Protection,

I am writing you today to offer testimony in **STRONG SUPPORT** of protecting our groundwater from future contamination by the Red Hill Fuel Tanks. Please amend SB 2930 SD2 to require secondary containment for field constructed tanks, as soon as possible.

I want the Red Hill fuel tanks upgraded with secondary containment that includes interstitial monitoring by 2023. If this cannot be done then the tanks should be emptied by 2028, and retired by 2030. The Navy built these tanks using 1940's technology in three years and should be able to adequately upgrade this leaky, antiquated facility in the next five years.

I am extremely concerned for the safety of our groundwater. The underground storage tanks at the U.S. Navy's Red Hill storage facility are not sufficiently regulated, despite the fact that they pose the greatest threat to O 'ahu's groundwater.

The Red Hill facility has a long history of leaking fuel into the surrounding environment, leaking over 200,000 gallons since it was constructed in 1943. These tanks should be immediately upgraded with state-of-the-art technology to ensure they never leak into the environment again. If they cannot be immediately upgraded enough to guarantee against leaks, then that fuel should not be stored 100-feet above our groundwater. The people of Hawai'i cannot wait another 20 years for critical upgrades to be installed to these facilities.

Thank you for the opportunity to share my concerns on this extremely important issue.

Sincerely,  
Christian Zavala  
PO Box 63061 Mcbh Kaneohe Bay, HI 96863-3061