

SCR 35



DEPARTMENT OF THE NAVY
COMMANDER NAVY REGION HAWAII
850 TICONDEROGA ST STE 110
JBPHH HI 96860-5101

SENATE COMMITTEE ON AGRICULTURE AND THE ENVIRONMENT
SENATE COMMITTEE ON PUBLIC SAFETY, INTERGOVERNMENTAL, AND
MILITARY AFFAIRS

Testimony on Senate Concurrent Resolution 35, Urging the United States Environmental Protection Agency and the Hawai'i State Department of Health to reject the approval of a single wall tank upgrade alternative option for the Red Hill Bulk Fuel Storage Facility and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility Report dated July 27, 2018.

Hearing Date and Time: Wednesday, March 20, 2019 at 1:15 p.m.

Testimony on behalf of Navy Region Hawaii by CAPT Marc Delao,
Commander, Naval Facilities Engineering Command Hawaii

Aloha Chair Gabbard, Chair Nishihara, and Committee Members,

Thank you for the opportunity to submit testimony on Senate Concurrent Resolution 35. The Navy fully recognizes and respects the public and legislative concern in protecting the fresh water aquifer at Red Hill. We not only share that concern, but work every day to ensure this important facility is monitored, operated and upgraded to protect against any release of fuel. We all want to protect our aquifer and we are working under the oversight of the State Dept. of Health (DOH) and Environmental Protection Agency (EPA) in an Administrative Order on Consent (AOC) to do just that.

The AOC process is working. The Navy and Defense Logistics Agency (DLA) have invested significantly and faithfully in the carefully negotiated AOC, expending over \$45 million complying with the AOC and over \$260 million in Red Hill since 2006. We again extend an invitation to all of the members of the legislature to tour our facility and meet the individuals who are responsible for keeping our storage facility environmentally safe and ready for any emergency. The Navy believes we fill an important role in the protection of our country and Hawaii. To help ensure you have all the facts and see for yourselves, rather than take our word for it, we ask legislators again to tour the Red Hill facility before your final decision on this resolution.

We are concerned that there have been non-Navy reports that offered a premature and incorrect assessment of tank-wall thinning based on subjective observations and imprecise measurements, derived outside of the AOC process. For example, earlier media reports indicated that the ten steel samples, called coupons, removed from tank No. 14 demonstrated that the corrosion was far worse than the Navy expected.

Laboratory measurements found no area on any of the coupons to be less than twice the industry minimum standard. Last week the Navy met with the Regulators where the laboratory results of these coupons were thoroughly scrutinized. For the coupon questioned in the media, the Regulators probed the laboratory in detail. The laboratory confirmed that the area of the coupon depicted in the newspaper was inaccurate. Included below is a copy of the non-Navy photo (with the ruler, Figure 1) which was used to allege that corrosion of this coupon was worse than the Navy anticipated. Also included are two laboratory photos (Figures 2 and 3) of the same coupon which show, after proper preparation and precise measurements, significant metal thickness remains in this area.

The laboratory report is an interim product that will be further evaluated and used to form the content of a larger report expected to be submitted in July as part of the Administrative Order on Consent between Navy, EPA and DOH.

The Navy continues working with industry experts to evaluate cutting-edge technologies and procedures to improve the ability to “see” the backside of the steel to further protect the environment and drinking water. For example, on March 14, the Navy hosted a leading robotics firm to conduct a live demonstration at Red Hill of their company’s capabilities to scan tank walls using robotic techniques. The demonstration looked promising and the Navy will be pursuing this concept in greater detail.

The drinking water is safe. The Board of Water Supply and other independent tests confirm drinking water meets all applicable standards. Tests performed every six months confirm the tanks are “tight” and not leaking. Each Red Hill tank is made of several feet of reinforced concrete with a steel liner. The tanks also have been secured into basalt rock with Gunitite, a type of cement that is pressure injected to fill the space between the outer tank wall and the basalt rock. Effectively, the liner, cement walls, Gunitite and the basalt rock become the tank that holds the fuel.

Many people understand what a vital strategic asset Red Hill is for the military’s mission, just as Pearl Harbor Naval Shipyard and the Pacific Missile Range Facility on Kauai are. But not many realize how fully committed the Navy is to serving as the safety net for Hawaii’s energy needs under the Defense Support for Civil Authorities. We are capable of delivering fuel from Red Hill to Honolulu Harbor, the Daniel K. Inouye International Airport, Barbers Point and Hawaiian Electric Company for commercial ships, airplanes and generating electricity, all via existing fuel lines. The delivery system is through gravity feed and does not require any additional energy, which is important in any emergency when the power goes out.

Thank you for the opportunity to submit this testimony today.

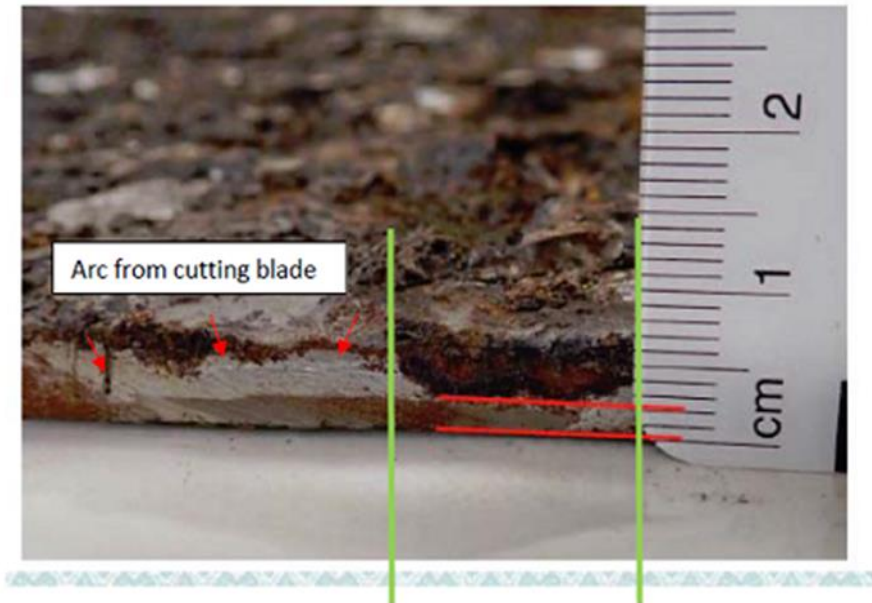


Figure 1: Edge of Coupon #7. Image from non-Navy source alleging the thickness of the remaining steel at the location shown between the two red lines was no more than 2 millimeters, less than the Navy's predictions. The label "Arc from cutting blade" was added by the laboratory to help demonstrate that all 3 photos shown are of the same location of coupon #7.

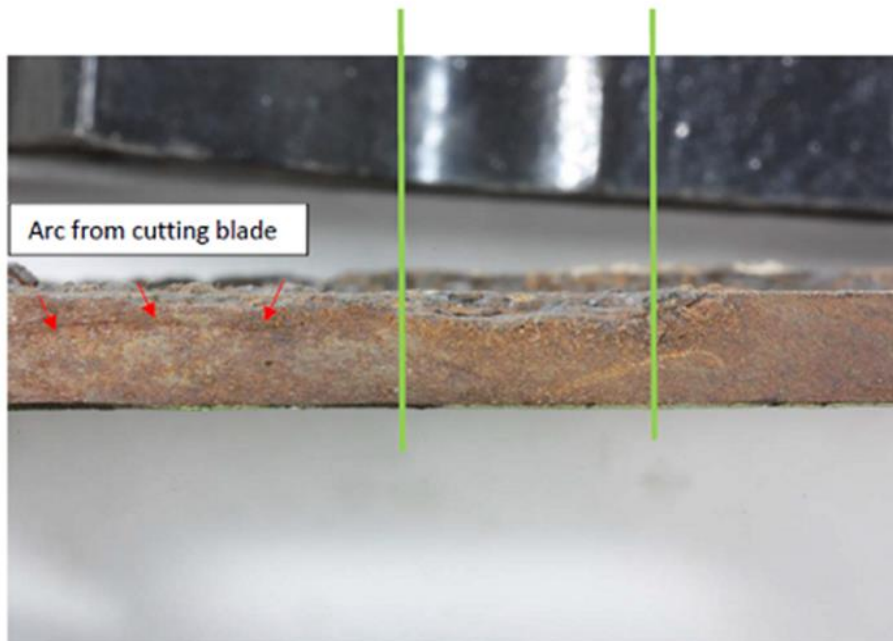


Figure 2: Edge of Coupon #7. Laboratory photo of same location on coupon #7 as depicted in Figure 1 taken after cleaning but before grit blasting. Cleaning apparently removed debris resulting from cutting the coupon out of the tank

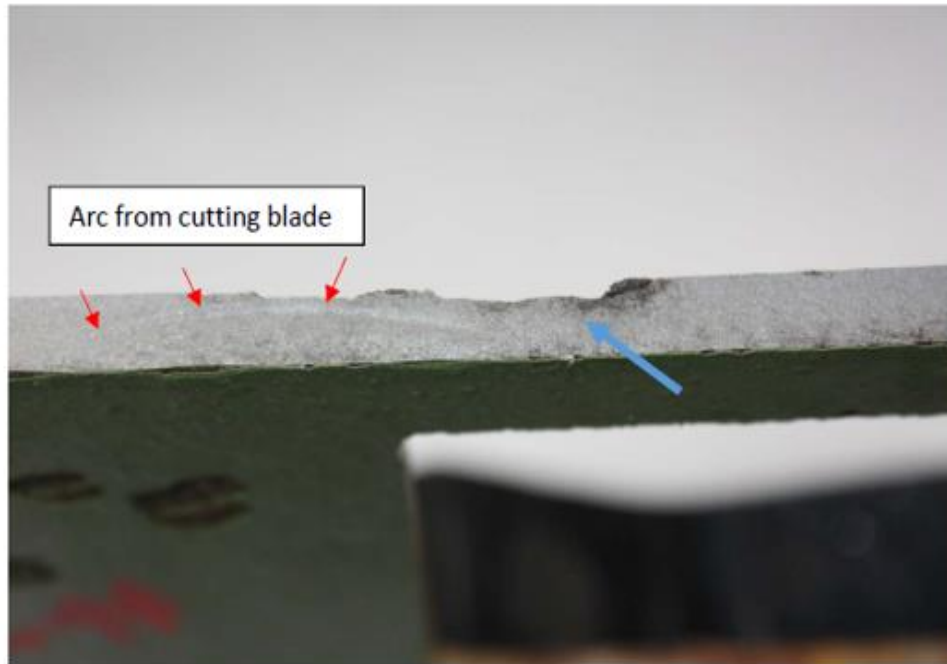


Figure 3: Edge of Coupon #7. Laboratory photo of same location on coupon #7 as depicted in Figure 1 taken after grit blasting. Note there is still significant wall thickness remaining in the area in question (blue arrow).



U.S. INDO-PACIFIC COMMAND
(USINDOPACOM)
CAMP H.M. SMITH, HAWAII 96861-4028

March 5, 2019

Testimony on the Red Hill Bulk Fuel Storage Facility

Aloha and thank you for the opportunity to submit written testimony about Red Hill.

USINDOPACOM, commanded by Admiral Phillip S. Davidson, 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 Indo-Pacific. The Red Hill Fuel Storage Facility is owned and maintained by the U.S. Navy, with support by the Defense Logistics Agency (DLA).

The purpose of my testimony is to inform the Committees of the vital strategic significance of the Red Hill Fuel Storage Facility, and to communicate USINDOPACOM's resolve and commitment to conduct operations in an environmentally responsible and compliant manner.

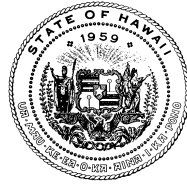
The Red Hill facility holds a significant percentage of petroleum war reserves required to defend national security interests in the Indo-Pacific region. As our strategic reserve, it supports all U.S. military forces throughout the theater, including those stationed in and transiting through Hawaii. It also supports the Hawaii Army and Air National Guard and is available to support civil authorities, should circumstances dictate. Its hardened, underground, cyber-protected, gravity-fed system to Joint Base Pearl Harbor-Hickam is unique, and there is no comparable U.S. owned facility anywhere from India to mainland USA.

Admiral Davidson maintains Red Hill is a "vital strategic asset" to USINDOPACOM and Service components "during contingency operations" throughout the Indo-Pacific region. He also fully supports the Navy and DLA's commitment to be good stewards of the environment and protect the water we all drink on Oahu. Therefore, USINDOPACOM will continue to support the binding Administrative Order on Consent and its objectives to ensure the groundwater is protected and Red Hill is operated and maintained in an environmentally protective manner.

I am happy to provide additional information as necessary.

A handwritten signature in black ink, appearing to read "Susan Davidson", is positioned above the printed name.

SUSAN A. DAVIDSON
Major General, U.S. Army
Director for Logistics, Engineering and
Security Cooperation



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

Testimony COMMENTING on SCR35
URGING THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AND
THE HAWAII DEPARTMENT OF HEALTH TO REJECT THE APPROVAL OF A
SINGLE WALL TANK UPGRADE ALTERNATIVE OPTION FOR THE RED HILL
BULK FUEL STORAGE FACILITY AND THE CONCLUSIONS PRESENTED IN
THE GROUNDWATER PROTECTION AND EVALUATIONS CONSIDERATIONS
REPORT FOR THE RED HILL FUEL STORAGE FACILITY DATED JULY 27, 2018.

SENATOR MIKE GABBARD, CHAIR
SENATE COMMITTEE ON AGRICULTURE AND ENVIRONMENT

SENATOR CLARENCE K. NISHIHARA, CHAIR
SENATE COMMITTEE ON PUBLIC SAFETY, INTERGOVERNMENTAL, AND
MILITARY AFFAIRS

Hearing Date: March 20, 2019

Room Number: 224

1 **Fiscal Implications:** None.

2 **Department Testimony:** The Department of Health (Department) continues to oversee and
3 review the work prescribed under the Administrative Order on Consent (AOC). This enforceable
4 agreement provides the framework to ensure that operations and upgrades of the tanks are
5 protective of the environment. Providing regulatory expectations and oversight on AOC
6 deliverables is a key part of this process.

7 The Department's long-term goal is to prohibit large-volume underground fuel storage
8 over our drinking water resource. The Department also understands and appreciates the Navy's
9 fuel supply needs and supports the Navy's ongoing efforts in providing security to our state,
10 nation, and Indo-Pacific region. Therefore, we support the development of capacity to supply
11 the military needs for fuel at locations that do not threaten our drinking water resources. While
12 such facilities are being developed, a monitoring, inspection, repair, and maintenance program
13 needs to be implemented to assure that risks are minimized at Red Hill. The Department will
14 continue to work on meeting both objectives.

15 Thank you for the opportunity to testify on this measure.

16 **Offered Amendments:** None.

BOARD OF WATER SUPPLY

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



March 20, 2019

KIRK CALDWELL, MAYOR

BRYAN P. ANDAYA, Chair
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MAX SWORD

ROSS S. SASAMURA, Ex-Officio
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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 Mike Gabbard, Chair
and Members
Committee on Agriculture and Environment
Hawaii State Capitol, Room 224
Honolulu, Hawaii 96813

The Honorable Clarence K. Nishihara, Chair
and Members
Committee on Public Safety, Intergovernmental, and
Military Affairs
Hawaii State Capitol, Room 224
Honolulu, Hawaii 96813

Dear Chair Gabbard, Chair Nishihara and Members:

Subject: Senate Concurrent Resolution 35: Urging the United States
Environmental Protection Agency and the Hawaii State Department
of Health to reject the approval of a single wall tank upgrade alternative
option for the Red Hill Bulk Fuel Storage Facility and the conclusions
presented in the Groundwater Protection and Evaluations Considerations
Report for the Red Hill Bulk Fuel Storage Facility dated July 27, 2018.

The Honolulu Board of Water Supply (BWS) strongly supports Senate Concurrent Resolution (SCR) 35.

The resolution is a statement affirming the State Legislature's commitment to preserving and protecting our irreplaceable drinking water resources by urging the United States Environmental Protection Agency (EPA) and the Hawaii Department of Health (DOH) to reject a single wall tank upgrade alternative (TUA) option for the Red Hill Bulk Fuel Storage Facility (Red Hill) and the conclusions in the United States Navy's (Navy) Groundwater evaluations report.

We recommend the resolution be further amended to also urge the regulatory agencies to support secondary containment as a TUA option and if this option is determined to be not feasible, then to support relocation of the tanks away from the Halawa Shaft aquifer.

The Honorable Mike Gabbard, Chair
and Members
The Honorable Clarence K. Nishihara, Chair
And Members
March 20, 2019
Page 2

The Hawaii Constitution Article XI, Section 1, states:

"For the benefit of present and future generations, the State and its political subdivisions shall conserve and protect Hawaii's...natural resources, including...water. All public natural resources are held in trust by the State for the benefit of the people."

Article XI, section 7, further states:

"The State has an obligation to protect, control and regulate the use of Hawaii's water resources for the benefit of its people."

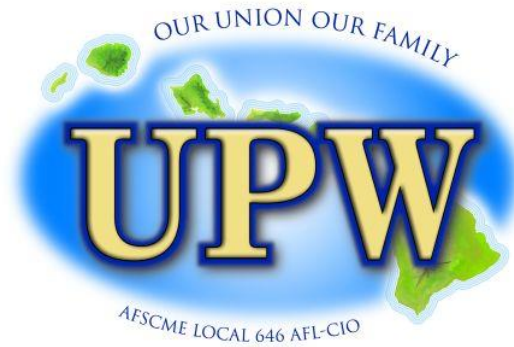
Red Hill stores nearly 200 million gallons of fuel in colossal World War II vintage single-walled underground storage tanks (USTs) a mere 100 feet above a high-quality sole source groundwater aquifer. The Navy has documented numerous leaks from these tanks and the presence of petroleum contamination in the rocks and groundwater underneath them. Recent tank inspection data have yet to give us the confidence that existing maintenance practices can detect potential leak areas and repair them before they occur. The Navy's explanations of the backside rust and groundwater modeling results have not alleviated our concerns with storing nearly 200 million gallons of fuel 100 feet above our only drinking water aquifer in single walled tanks that were built more than 75 years ago.

If Red Hill is to continue storing enormous volumes of fuel directly above our sole source aquifer, then it should be done with secondary containment tank-within-a-tank. Otherwise it should be relocated away from the aquifer.

Thank you for the opportunity to testify.

Very truly yours,


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



THE HAWAII STATE SENATE

The Thirtieth Legislature
Regular Session of 2019

COMMITTEE ON AGRICULTURE AND ENVIRONMENT

Senator Mike Gabbard, Chair
Senator Russell E. Ruderman, Vice Chair

COMMITTEE ON PUBLIC SAFETY, INTERGOVERNMENTAL, AND MILITARY AFFAIRS

Senator Clarence K. Nishihara, Chair
Senator Glenn Wakai, Vice Chair

DATE OF HEARING: Wednesday, March 20, 2019

TIME OF HEARING: 1:15 p.m.

PLACE OF HEARING: Conference Room 224

TESTIMONY ON SCR 35 URGING THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AND THE HAWAII STATE DEPARTMENT OF HEALTH TO REJECT THE APPROVAL OF A SINGLE WALL TANK UPGRADE ALTERNATIVE OPTION FOR THE RED HILL BULK FUEL STORAGE FACILITY AND THE CONCLUSIONS PRESENTED IN THE GROUNDWATER PROTECTION AND EVALUATIONS CONSIDERATIONS REPORT FOR THE RED HILL BULK FUEL STORAGE FACILITY DATED JULY 27, 2018.

By DAYTON M. NAKANELUA,
State Director of the United Public Workers,
AFSCME Local 646, AFL-CIO ("UPW")

My name is Dayton M. Nakanelua, State Director of the United Public Workers, AFSCME, Local 646, AFL-CIO (UPW). The UPW is the exclusive representative for approximately 14,000 public employees, which include blue collar, non-supervisory employees in Bargaining Unit 01 and institutional, health and correctional employees in Bargaining Unit 10, in the State of Hawaii and the four counties. The UPW also represents about 1,500 members of the private sector.

Clean, fresh water is our lifeblood; it must be protected and preserved fit for human consumption. There can be no other option less the health of several hundred thousand of our people on Oahu is gravely compromised. The UPW **strongly supports** SCR35 and urge the EPA and the State DOH not to accept a minimum fix but one that assures our water source is not contaminated with fuel at anytime.

Thank you for opportunity to testify on this measure.



KE ONE O KĀKUHIEWA

O'ahu Council of the
Association of Hawaiian Civic Clubs

BENTON KEALII PANG, PH.D.,-HAWAIIAN CIVIC CLUB OF
HONOLULU
PELEKIKENA

JACOB KA'ŌMAKAOKALĀ AKI-KING KAMEHAMEHA HCC
HOPE PELEKIKENA

KALANI L. KA'ANĀ'ANĀ-KAILUA HCC
HOPE PELEKIKENA 'ELUA

ALBERTA LOW-PEARL HARBOR HCC
PU'UKU

ROTH PUAHALA -KING KAMEHAMEHA HCC
PELEKIKENA IHO NEI

TERI LOO-KO'OLAUPOKO HCC
KĀKAU 'ŌLELO

CHRISTINE "CHRISSY" ANJO-PEARL HARBOR HCC
HOLE KĀKAU 'ŌLELO

'AHAHUI SIWILA HAWAII O KAPOLEI
LANCE HOLDEN

ALI'I PAUHI HCC
KEHAULANI LUM

'EWA-PU'ULO A HCC
MARLEEN KAU'I SERRAO

HCC OF HONOLULU
MANU BOYD

KAILUA HCC
MAPUANA DE SILVA

KALIHĪ-PĀLAMA HCC
KAIMO MUHLESTEIN

KING KAMEHAMEHA HCC
LETANI PELTIER

KO'OLAULO A HCC
RANAE "TESSIE" FONOIMOANA

KO'OLAUPOKO HCC
ALICE P. HEWETT

LUALUALEI HCC
SHIRLINE HO

MĀKAHA HCC
LUANN LANKFORD-FABORITO

MĀLAMA MELE O HAWAII
JANET ABRIGO

MAUNALUA HCC
ROSE KITTY SIMONDS

NA LANI 'EHA HCC
R. KELANI RAMOS

NĀNĀIKAPONO HCC
JAYCINE HICKS

PAPAKŌLE'A HCC
KEALI'I LUM

PEARL HARBOR HCC
KU'UMEALOHA GOMES

PRINCE KŪHIŌ HCC
A. MAKANA PARIS

PRINCESS KAI'ULANI HCC
LEIMANA DAMATE

QUEEN EMMA HCC
RAWLETTE P. KRAUT

HCC OF WĀHIWA
MARIE "MĀLIA" DOO

HCC OF WĀIALUA
MAKALAPUA CASSON-FISHER

WAI'ANAE HCC
CYNTHIA ENRIQUEZ

WAIKĪKĪ HCC
L. PI'IKEA TOMCZYK

HCC OF WAIMĀNALO
FAITH KA'IAMA

SENATOR MIKE GABBARD (CHAIR), SENATOR RUSSELL
RUDERMAN (VICE CHAIR), AND THE SENATE COMMITTEE ON
AGRICULTURE AND ENVIRONMENT,

SENATOR CLARENCE NISHIHARA (CHAIR) AND SENATOR GLENN
WAKAI (VICE CHAIR) AND THE COMMITTEE ON PUBLIC SAFETY,
INTERGOVERNMENTAL AND MILITARY AFFAIRS

Support for SCR 35 URGING THE UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY AND THE HAWAII
STATE DEPARTMENT OF HEALTH TO REJECT THE APPROVAL OF
A SINGLE WALL TANK UPGRADE ALTERNATIVE OPTION FOR THE
RED HILL BULK FUEL STORAGE FACILITY AND THE
CONCLUSIONS PRESENTED IN THE GROUNDWATER
PROTECTION AND EVALUATIONS CONSIDERATIONS REPORT
FOR THE RED HILL BULK FUEL STORAGE FACILITY DATED JULY
27, 2018

MARCH 18, 2019

Aloha Senator Mike Gabbard (Chair), Senator Russell Ruderman (Vice
Chair), and the Senate Committee on Agriculture and Environment,

Senator Clarence Nishihara (Chair) and Senator Glenn Wakai (Vice
Chair) and the Committee on Public Safety, Intergovernmental and
Military Affairs,

As Pelekikena (President) of Ke One O Kākuhihewa (O'ahu Council-
Association of Hawaiian Civic Clubs) and its 25 Hawaiian Civic Clubs, we
support SCR 35 URGING THE UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY AND THE HAWAII STATE DEPARTMENT
OF HEALTH TO REJECT THE APPROVAL OF A SINGLE WALL TANK
UPGRADE ALTERNATIVE OPTION FOR THE RED HILL BULK FUEL
STORAGE FACILITY AND THE CONCLUSIONS PRESENTED IN THE
GROUNDWATER PROTECTION AND EVALUATIONS
CONSIDERATIONS REPORT FOR THE RED HILL BULK FUEL
STORAGE FACILITY DATED JULY 27, 2018. This bill recognizes the
testing by the U.S. Navy found that rust was more extensive than



predicted and rejects the findings of the Groundwater Protection and Evaluation Report.

In 2015, the O'ahu Council introduced a resolution to the Association of Hawaiian Civic Clubs entitled, **Requesting the U.S. Navy to Expedite Corrective Actions to the Red Hill Bulk Fuel Storage Facility and Safeguard Oahu's Drinking Water**. Four years later, the rusting tanks continue to threaten our groundwater aquafer, and very little remediation of previous leaks has been conducted. A copy of our Resolution is attached.

Thus, O'ahu council urges your committees to **PASS** SCR35.

Ke One O Kakūhihewa is a native Hawaiian council made up of 25 civic clubs on the island of O'ahu. Our oldest member, Hawaiian Civic Club of Honolulu was established by Prince Jonah Kūhiō Kalaniana'ole on December 7, 1918.

Sincerely,

Benton Kealii Pang, Ph.D.



ASSOCIATION OF HAWAIIAN CIVIC CLUBS

A RESOLUTION

15 - 10

REQUESTING THE U.S. NAVY TO EXPEDITE CORRECTIVE ACTIONS TO THE RED HILL BULK FUEL STORAGE FACILITY AND SAFEGUARD OAHU'S DRINKING WATER

WHEREAS, Native Hawaiians consider freshwater, or wai, sacred to the Gods Kāne and Lono; and

WHEREAS, wai has been integral to a vibrant Hawaiian community from ancient times to the present; and

WHEREAS, vital to their survival, Hawaiians have always protected the wai for their sustenance and in order to produce the bounty of foods and forests products important to them; and

WHEREAS, the United States Navy has operated its Red Hill Bulk Fuel Storage Facility in the Pu'uloa area of O'ahu since the 1940's; and

WHEREAS, the facility includes 20 large field-constructed underground fuel storage tanks, each holding at least 12.5 million gallons of jet fuel; and

WHEREAS, these tanks are located in the area under which lies the Pearl Harbor aquifer, the largest fresh water resource on the island of O'ahu; and

WHEREAS, concern has been raised that fuel leakage from the tanks could contaminate the fresh water supply that supports the island from Maunaloa to Mākuā; and

WHEREAS, although initial testing has not yet found significant contamination in water samples drawn from wells in the immediate vicinity, concerns remain about continuing leakage and threats to the groundwater aquifer; and

WHEREAS, according to documents formerly classified by the Department of Defense, these storage tanks have been leaking fuel for much of the past 50 years; and

WHEREAS, in January 2014, fuel was found leaking from Tank No. 5, an amount estimated in excess of 27,000 gallons of fuel; and

WHEREAS, despite Navy denials, a former administrator for the State Department of Health (DOH) says the remaining active tanks continue to leak until today; and

WHEREAS, the U.S. Environmental Protection Agency (EPA) has signed an Administrative Order of Consent (AOC), with the State DOH, the Defense Logistics Agency, and the U.S. Navy, identifying corrective actions to be taken at the Red Hill storage facility; and

WHEREAS, this draft AOC would allow the Navy additional time to pursue best-practice technologies for addressing the leakage problem; and

WHEREAS, the EPA, Department of Health and U.S. Navy held an informational meeting earlier this year to receive comments from the public about the AOC; and

WHEREAS, overwhelmingly, the response to the reports of leaking fuel tanks at Red Hill has alarmed the community with concerns about potential risks to the fresh water supply; and

WHEREAS, most comments requested that the tanks be repaired or relocated expeditiously and without delay to minimize any further harm to the aquifer; and

WHEREAS, the EPA, DOH and U.S. Navy have taken these comments into consideration and are contemplating what changes, if any, can be made to the AOC; and

WHEREAS, it is uncertain when a formal response from the EPA, DOH and U.S. Navy will be announced to the public.

NOW, THEREFORE, BE IT RESOLVED, by the Association of Hawaiian Civic Clubs at its 56TH annual convention at Lahaina, Maui this 14th day of November 2015, that we request the U.S. Navy to expedite corrective actions to the Red Hill bulk fuel storage facility and safeguard Oahu's drinking water; and

BE IT FURTHER RESOLVED, that the U.S. Navy is hereby requested to take all actions necessary to relocate these fuel tanks to sites that do not lie over groundwater resources; and

BE IT FURTHER RESOLVED, that the U.S. Navy is hereby urged to immediately remediate the release of fuel from the Red Hill bulk storage facility which has occurred over the past 60 years; and

BE IT FURTHER RESOLVED, that the U.S. Environmental Protection Agency, the DOH and the State Commission on Water Resource Management are hereby asked to uphold their kuleana (responsibilities) to protect the safety and quality of our island's fresh water resources by ensuring that all underground storage facilities, including those of the U.S. military, are regularly inspected and that all fuel resources are accounted for to ensure prompt leak detection and repair; and

BE IT FURTHER RESOLVED, that a certified copy of this resolution be transmitted to the Governor of Hawaii, State Senate Committee on Hawaiian Affairs, State House Committee on Ocean, Marine Resources, & Hawaiian Affairs, The Office of Hawaiian Affairs Chair of the Board of Trustees, members of Hawaii's congressional delegation, the Commander Navy Region Hawai'i, the Director of the Defense Logistics Agency, the Administrator of the U.S. Environmental Protection Agency, the Director of the State Department of Health, the Chair of the Commission on Water Resource Management and Mayor Kirk Caldwell.



The undersigned hereby certified that the foregoing Resolution was duly adopted on the 14th day of November 2015, at the 56th Annual Convention of the Association of Hawaiian Civic Clubs in Lahaina, Maui.


Annelie C. Amaral, President



O`ahu County Democrats Committee on Legislative Priorities

COMMITTEE ON AGRICULTURE AND ENVIRONMENT

Senator Mike Gabbard, Chair
Senator Russell E. Ruderman, Vice Chair

COMMITTEE ON PUBLIC SAFETY, INTERGOVERNMENTAL, AND MILITARY AFFAIRS

Senator Clarence K. Nishihara, Chair
Senator Glenn Wakai, Vice Chair

Date: Wednesday, March 20, 2019

Time: 1:15 p.m.

Place: Conference Room 224, State Capitol

To the Honorable Mike Gabbard, Chair; the Honorable Russell E. Rudeman, Vice Chair; and the Members of the Committee on Agriculture and Environment; and

To the Honorable Clarence K. Nishihara, Chair; the Honorable Glenn Wakai, Vice Chair, and Members of the Committee on Public Safety, Intergovernmental, and Military Affairs:

My name is Melodie Aduja and I serve as Chair of the O`ahu County Democrats Committee on Legislative Priorities ("OCDCLP"), and Chair of the Human Environmental Impacts Committee ("HEIC") of the Environmental Caucus of the Democratic Party of Hawai'i ("DPH"). Mahalo for this opportunity to provide testimony on S.C.R. 35. The OCDCLP and HEIC of the DPH hereby submit testimony in **STRONG SUPPORT of S.C.R. 35, Relating to the Environmental Protection Agency and Red Hill Bulk Fuel Storage Facility**

S.C.R. 35: URGES THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AND THE HAWAII STATE DEPARTMENT OF HEALTH TO REJECT THE APPROVAL OF A SINGLE WALL TANK UPGRADE ALTERNATIVE OPTION FOR THE RED HILL BULK FUEL STORAGE FACILITY AND TO REJECT THE CONCLUSIONS PRESENTED IN THE GROUNDWATER PROTECTION AND EVALUATION CONSIDERATIONS FOR THE RED HILL BULK FUEL STORAGE FACILITY REPORT DATED JULY 27, 2018.

The O`ahu County Democrats Committee on Legislative Priorities and HEIC strongly support S.C.R. 35, as reflected in the O`ahu County Committee Resolution OC 2018-11, adopted by O`ahu County Democrats at the O`ahu County Convention on May 5, 2018. O`ahu County Democrats comprise of a membership of approximately 54,000 active and associate democrats.

OC 2018-11 provides as follows:

OC 2018-11. Urging the United States Navy to retro fit its twenty jet fuel tanks or relocate them to a location away from the aquifer

Whereas, A Navy analysis may underestimate the contamination potential of leaks from giant fuel tanks from Red Hill; and

Whereas, The Navy has 20 underground fuel storage tanks dating to World War II in Red Hill above Pearl Harbor; and

Whereas, The tanks sit on an aquifer that supplies a quarter of the water consumed in urban Honolulu; and

Whereas, More than 27,000 gallons of jet fuel leaked from one of the tanks in 2014; and

Whereas, The Navy's evaluation of the potential risks appears to be skewed toward concluding that millions of gallons of jet fuel could be released without damaging the groundwater; and

Whereas, The Navy cannot locate the leaked fuel or accurately assess the risk to our groundwater; and

Whereas, Instead, the Navy is providing models to produce its preferred outcomes; and

Whereas, The Navy and regulatory agencies are working on a 20-year-plan to reduce the risk of leaks and fuel contamination from the tanks; and

Whereas, The plan includes new tank designs and potentially storing the fuel someplace other than Red Hill; and therefore, be it

Resolved, That the O`ahu County Democrats of the Democratic Party of Hawai`i urge the United States Navy to install double-walled tanks at Red Hill within five years or move the tanks if the Navy is unable to retrofit the twenty tanks into double-walled tanks within the time prescribed; and be it further

Resolved, That the O`ahu County Democrats of the Democratic Party of Hawai`i urge the Hawai`i State Legislature, and the U.S. Congress to mandate that the Navy retrofit the twenty Red Hill tanks to double-walled tanks within five years and or relocate the twenty tanks to a location where the risk of leakage into the aquifer and groundwater is greatly minimized; and be it

Ordered, That copies of this resolution be transmitted to the United States Navy, members of the Hawai`i Congressional Delegation, the Governor of the State of Hawai`i, the Lt. Governor of the State of Hawai`i, Hawai`i Legislators who are members of the Democratic Party; the Mayor of the City and County of Honolulu; and Members of the City Council of the County of Honolulu; and the 2018 convention resolutions committee of the Democratic Party of Hawai`i.

The O`ahu County Democrats Committee on Legislative Priorities and the Human Environmental Impacts Committee of the Environmental Caucus of the DPH are deeply involved in advocating for reasonable and justifiable upgrades to the Red Hill Bulk Fuel Storage Tanks and continue to lend support on this issue for the safety of O`ahu's sole source aquifer which supplies drinking water to Hawai'i residents and visitors from Moanalua to Hawai'i Kai.

The Red Hill Underground Fuel Storage Tank Facility consists of 20 aging tanks, each massive enough to swallow a 20-story building, perched just 100 feet above O`ahu's primary aquifer, which supplies a quarter of the water consumed in urban Honolulu from Moanalua to Hawai'i Kai. The Navy and regulatory agencies are working on a proposal for a 20-year plan to reduce the risk of leaks and fuel contamination. The Navy's preferred proposals, Options 1A or 1B, are the cheapest and least-protective options under consideration. The Navy reports that only "minimal changes to the status quo" are necessary despite the deterioration of these 75-year-old tanks and despite several fuel releases dating back to the 1940s. In 2015, the Honolulu BWS found that the groundwater aquifer was contaminated to various levels from petroleum constituents below and near the facility.

In January 2014, there was a 27,000-gallon leak of jet fuel from Tank 5 at the U.S. Navy's Red Hill Bulk Fuel Storage Facility. This underground storage tank (UST) – along with 19 others like it in the Red Hill area – can contain up to 12.5 million gallons of fuel.

The Red Hill Facility continuously stores 187 million gallons of fuel above the Moanalua drinking water aquifer. Navy studies show that the groundwater in artesian wells underneath and near the tanks is already contaminated by the petroleum. These studies also document leaks dating back to 1947, continuing corrosion of the tank liners, and the risk of a catastrophic fuel release. That release could occur as the result of structural failure of the tanks caused by an earthquake. This could result in more than a million gallons of fuel released into the groundwater and potentially several million gallons into Halawa Stream and Pearl Harbor poisoning O`ahu's water supply, causing deadly diseases to hundreds of thousands of people who may consume the contaminated water.

To protect the aquifer's long-term ability to provide safe drinking water, the BWS, O`ahu County Committee on Legislative Priorities and the Human Environmental Impacts Committee of the Environmental Caucus urge the Navy, EPA, and Hawaii DOH to:

- (1) Adopt the tank-within-a-tank option for all tanks (Option 3). If not, then relocate all fuel storage from the potable water aquifer and place it in above-ground state-of-the-art tanks;
- (2) In the interim and as a minimum, meet the same Federal regulatory requirements as all other USTs; and
- (3) Clean the fuel that is already underneath the tanks to reduce the long-term threat to other wells in the area.

For the foregoing reasons, to wit, to mandate the Navy to retrofit the twenty Red Hill tanks with double-walled tanks or to relocate the twenty tanks to a location where the risk of petroleum releases into the aquifer and groundwater is greatly minimized, OCDCLP and HEIC strongly support S.C.R. 35, and urge its adoption.

Mahalo nui loa

Me ka `oia`i`o

/s/ Melodie Aduja

Melodie Aduja

Chair, O`ahu County Democrats Committee on Legislative Priorities

Chair, Human Environmental Impacts Committee of the Environmental Caucus

Email: legislativepriorities@gmail.com

Phone: (808) 258-8889



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COMMITTEE ON AGRICULTURE AND ENVIRONMENT

Senator Mike Gabbard, Chair
Senator Russell E. Ruderman, Vice Chair

COMMITTEE ON PUBLIC SAFETY, INTERGOVERNMENTAL, AND MILITARY AFFAIRS

Senator Clarence K. Nishihara, Chair
Senator Glenn Waikai, Vice Chair

Wednesday, March 20, 2019, 1:15 p.m., Conference Room 224

SCR 35

Urging the United States Environmental Protection Agency and the Hawaii State Department of Health to Reject the Approval of a Single-Wall Tank Upgrade Alternative Option for the Red Hill Bulk Fuel Storage Facility *and* the Conclusions Presented in the Groundwater Protection and Evaluations Considerations Report for the Red Hill Bulk Fuel Storage Facility Dated July 27, 2018

TESTIMONY

Nancy Davlantes, Legislative Committee, League of Women Voters of Hawaii

Chairs Gabbard and Nishihara, Vice Chairs Ruderman and Waikai, and Committee Members:

The League of Women Voters of Hawaii strongly supports the rejection of single-walled tank upgrades at Red Hill.

The League's commitment to protect our environment is embodied in the national statement of our intent to "promote an environment beneficial to life through the protection and wise management of natural resources in the public interest."

The debate over this issue has for too long pitted the state Department of Health against the Honolulu Board of Water Supply, each of which is tasked with protecting the welfare of Hawaii citizens albeit with separate missions.

The bottom line in all of this is the vital importance of Oahu's primary aquifer that supplies drinking water to more than 600,000 residents and is just 100 feet below these fuel tanks.

While the Navy assures that the tanks aren't leaking now and that they are crucial to military readiness, and the Chamber of Commerce emphasizes the economic significance of the military presence in Hawaii, what is required is a plan of action to decide how the tanks will be upgraded or moved so that the work can begin sooner rather than later. We cannot risk any contamination of the aquifer.

Thank you for the opportunity to submit testimony.

From: mr.richrichardson@everyactioncustom.com on behalf of [Rich Richardson](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Monday, March 18, 2019 9:17:29 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

Aloha,

As a resident of Kalihi Valley and a father of a water-loving 6-year-old daughter, I strongly urge the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank option for the Red Hill Bulk Fuel Storage Facility and demand something safer. Just this weekend there was a 5.5 magnitude earthquake in Hawaii.

We are told by the Navy that other options would be too expensive. But let's be clear that pretending the military cannot afford to protect U.S. citizens is not an option.

The Pentagon receives 54 cents out of every tax dollar. The U.S. defense budget for 2018 was about \$700 billion. DoD budgets have been going up for decades. So have profits for military contractors. But National Public Radio reports the military failed its own recent audit, and they can't explain where over 800 million dollars in military construction projects.

The military's accounting failures divert billions of dollars from better schools, more housing, health care for all, tackling climate change, and apparently, safe drinking water for the children of Honolulu. The Pentagon's accounting amounts to theft from America's taxpayers, our well-being and our children's future.

My father served on the USS Spinax in the 1960's and my grandfather was stationed here before he served in the South Pacific during World War II. My family hopes that military personnel on this island would behave with dignity and honor towards civilians while stationed here, not behaving with impunity, as an occupying force, above the law.

Thank you for whatever you can do to help us.

Mahalo,

Rich Richardson
Super Tiny Homes Hawaii
Arts Consultant and co-founder of Chinatown Artists Lofts, First Friday Honolulu, and The ARTS at Marks Garage
One of 6 people Making a Difference in Honolulu Magazine November 2013
808-778-6392
mr.richrichardson@gmail.com

Sincerely,
Rich Richardson



Environmental Caucus of the Democratic Party of Hawai'i

March 18, 2019

To: Senate Committee on Agriculture and the Environment
Sen. Mike Gabbard, Chair
Sen. Russell E. Ruderman, Vice Chair

Senate Committee on Public Safety, Intergovernmental & Military Affairs
Sen. Clarence K. Nishihara, Chair
Sen. Glenn Wakai, Vice Chair

Re: SCR 35 – **Red Hill – Urging Rejection of Single-Wall Upgrade Option**
Hearing: Wednesday, March 20, 2019, 1:15 p.m., Room 224

Position: **STRONG SUPPORT**

Aloha Chairs Gabbard and Nishihara and Vice Chairs Ruderman and Wakai, and Members of the Committees:

The Environmental Caucus of the Democratic Party of Hawai'i is in strong support of SCR 35. We are gravely concerned about the condition of the 20 massive seventy-five year old Navy aviation fuel storage tanks at Red Hill. We strongly support this Resolution urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

The Red Hill tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. They stand just 100 feet above our primary aquifer, containing as much as 225 million gallons of fuel. These tanks should have never been built here, and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected, and are as thin as half of the original steel plates. They are as thin as a dime.

The Navy is simply not acting fast enough. They are not taking this matter seriously.

The Red Hill facility has a long history of leaking fuel into the surrounding environment. No amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak

again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

We must apply pressure through every avenue possible – this Legislature, the Honolulu City Council, our Congressional Delegation, the courts, administrative action. Thank you, and thank the Board of Water Supply and its stalwart administrators.

Alan B. Burdick, Vice Chair
Environmental Caucus
Burdick808@gmail.com 486-1018



**Testimony to the Senate Committees on Agriculture and Environment, and
Public Safety, Intergovernmental, and Military Affairs
Wednesday, March 18, 2019 at 1:15 P.M.
Conference Room 224, State Capitol**

RE: SENATE CONCURRENT RESOLUTION NO. 35, RED HILL BULK FUEL STORAGE FACILITY

Chairs Gabbard and Nishihara, Vice Chairs Ruderman and Wakai and Members of the Committee:

The Chamber of Commerce Hawaii ("The Chamber") is **opposed to** Senate Concurrent Resolution No. 35, which urges the U.S. Environmental Protection Agency and the State of Hawaii Department of Health to reject the approval of a single wall tank upgrade alternative option for the Red Hill Bulk Fuel Storage Facility. This resolution also calls for the rejection of conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility Report from July 27, 2018.

The Hawaii Military Affairs Council (MAC) was established in 1985 as part of the Chamber, and advocates on behalf of Hawaii's military, and is comprised of business leaders and retired U.S. flag and general officers. The MAC works to support Hawaii's location as a strategic U.S. headquarters in the Indo-Asia-Pacific region.

In recognizing how critical the U.S. military presence is to Hawaii's economy, the Chamber underscores that the Red Hill fuel facility is vital to military readiness as it supports all Hawaii-based military actions and a significant share of many more in the Indo-Asia-Pacific region. The military's ability to remain "ready to respond" is essential for preserving the military's presence in the State and protecting a vital driver of our State's economy.

The Administrative Order on Consent (AOC) is a binding order between the Navy, U.S. Environmental Agency and the Hawaii Department of Health which resulted from the January 2014 fuel leak. The AOC convened state and federal experts to research and evaluate structural upgrades to the existing tanks at Red Hill and help to determine a long-term solution. The Navy's Tank Upgrade Alternatives Report summarized dozens of technologies that were considered to improve the storage tanks and provided detailed conceptual design information for six upgrade options being considered. Additional monitoring is in effect, as well as the integration of additional technologies to help ensure the integrity of the system. We should allow the AOC to finalize its recommendations before any further action is taken. In addition, the State Department of Health is in discussions with the Navy about the long-term future of Red Hill and other alternatives. Those discussions are also ongoing and should be encouraged.



Chamber *of* Commerce HAWAII
The Voice of Business

Lastly, the MAC has concerns that the paragraph beginning on page 1, lines 11-17 relies on inaccurate information and we request that this language be removed.

Thank you for the opportunity to testify in opposition to Senate Concurrent Resolution No. 35.



SIERRA CLUB OF HAWAI'I

MĀLAMA I KA HONUA. *Cherish the Earth.*

SENATE COMMITTEE ON AGRICULTURE AND ENVIRONMENT SENATE COMMITTEE ON PUBLIC SAFETY AND MILITARY AFFAIRS

March 20, 2019 1:15 PM Room 224

In SUPPORT of SCR 35

Aloha Chair Gabbard, Chair Nishihara, and members of the AEN and PSM Committees,

On behalf of our 20,000 members and supporters, the Sierra Club of Hawai'i **strongly supports SCR 35**, urging the U.S. Environmental Protection Agency and Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option for the Red Hill Bulk Fuel Storage Facility and to also reject the conclusions of the U.S. Navy's Groundwater Protection and Evaluation Considerations report published July 27, 2018.

The Red Hill Bulk Fuel Storage Facility poses an unprecedented risk to O'ahu's water security. This almost 80-year old facility, with its original single-walled steel underground storage tanks, holds 225 million gallons of fuel a mere 100 feet above O'ahu's primary drinking water aquifer. This aquifer provides water to over 400,000 residents and visitors from Moanalua to Hawai'i Kai.

This resolution adds an additional layer of heavy public pressure for the Department of Health and U.S. Environmental Protection Agency to take a stronger stance protecting O'ahu's water. The U.S. Navy is currently considering the lowest cost and least protective option to upgrade the Red Hill tanks. The Navy themselves admitted that "this alternative is nearly identical to the efforts conducted to inspect and repair the Red Hill tanks over the last 13 years." This includes tank 5 that leaked 27,000 gallons of jet fuel in 2014.

Fuel Tanks Cannot Be Maintained in Place Due to Extensive Corrosion

The Hawai'i Department of Health recently published the corrosion data collected from Tank 14, which reveals that the Red Hill tanks are far more corroded than naval officials anticipated. Every single sample out of the 10 taken show a presence of corrosion.¹ Some samples have damage on both sides of the tank lining and walls thinned to less than a third of the originally quarter-inch thickness.² In compliance with the Administrative Order on Consent, the Navy proposes to "upgrade" this facility by increasing monitoring and additional epoxy paint at the lower third of the tanks. This single-wall option is not sufficient. Given that all of the 20 tanks in this facility show evidence of leaking, and chemicals related to petroleum are documented in the

¹ Destructive Analysis of 10 Steel Coupons Removed from the Red Hill Fuel Storage Tank #14, Coupon Specifics, June 2018: https://health.hawaii.gov/shwb/files/2019/02/COUPON_SPECIFICS_RED_HILL_ALL_NEW.pdf

² Honolulu Board of Water Supply Board Meeting Presentation, September 24, 2018: <http://www.boardofwatersupply.com/about-us/board-meetings/video-on-demand-2018#sep24>

Red Hill Monitoring Well #2, it is irresponsible to continue to store 225 million gallons of fuel in this aging facility above O‘ahu’s drinking water supply.

Navy Comfortable with Excessive Releases

The Navy’s Groundwater Protection and Evaluation Considerations Report reveals that the Navy assumes large releases of fuel will not affected the health of our environment or the quality of our groundwater. According to this Report, significant harm would NOT be caused by:

- A slow, undetected release of 2,300 gallons of fuel a year from each tank,
- A sudden, rapid release of 120,000 gallons of fuel from one tank,
- The sudden release of up to 700,000 gallons of fuel

The Groundwater Protection and Evaluation Considerations Report speculates a release of 700,000 gallons of fuel would likely not cause an exceedance of risk-based contamination levels. “However, there is less confidence that the higher-end release volume would be protective,” the report warns.³

Relocation Away from the Aquifer is the Preferable Option



Above: Map of Pearl Harbor- Hickam Area and 12 Alternative Locations Study

³ Excerpt from the U.S. Navy’s Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility, pages 57-62:

https://www.epa.gov/sites/production/files/2018-03/documents/red_hill_alternative_location_study_5_february_2018_redacted.pdf

At a public meeting on March 14, 2018, the Navy presented its alternative location study which evaluates 12 potential alternative sites for relocation (see photo above). The Navy's preferred site is Site G at Kapūkaki. However, relocation to this site would result in 40 new underground storage tanks adjacent to the current Red Hill Facility—which is still above O'ahu's sole source aquifer and risks contamination to our drinking water. The Sierra Club strongly supports relocation of the fuel tanks to site(s) that pose less risk to O'ahu's drinking water. The Navy's preferred relocation site is unacceptable, as it is still directly above our aquifer.

We strongly support SCR 35 and encourage the following amendment to support an option of relocation if secondary containment determined to be infeasible. We suggest the first BE IT FURTHER RESOLVED clauses be amended and an additional BE IT FURTHER RESOLVED clause be added, so that the resolution reads:

BE IT FURTHER RESOLVED that this body strongly urges the United States Environmental Protection Agency and the Hawaii State Department of Health to reject approval of a single wall tank upgrade alternative option, or if secondary containment is determined to be infeasible, to support relocation of the fuel tanks away from the aquifer; ~~and the Groundwater Protection and Evaluation Report's conclusions;~~ and

BE IT FURTHER RESOLVED that this body strongly urges the United States Environmental Protection Agency and the Hawaii State Department of Health to reject the Groundwater Protection and Evaluation Report's conclusions; and

Adding language urging the relocation of the tanks away from the aquifer if secondary containment cannot be implemented would make SCR 35 consistent with the recently adopted Resolution 18-266, CD1, which passed unanimously by the Honolulu City Council on March 8, 2019.⁴

In addition to the Honolulu City Council Resolution, there have been 10 Neighborhood Boards and Community Associations in Honolulu that have adopted a "Resolution to Protect O'ahu's Groundwater Resources from the Red Hill Bulk Fuel Storage Tanks." The following Neighborhood Boards adopted a resolution that urged the Navy, the Defense Logistics Agency, the Department of Health, and the Environmental Protection Agency to take urgent action to protect O'ahu's groundwater resources and find a solution **to upgrade, retrofit, or**

⁴ <http://www4.honolulu.gov/docushare/dsweb/Get/Document-211797/RES18-266.htm>

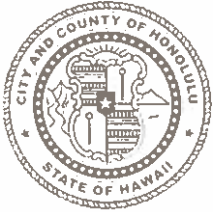
decommission the Red Hill Bulk Fuel Storage Facility (emphasis added):

- Kuli'ou'ou- Kalani Iki Neighborhood Board No. 2
- Kaimuki Neighborhood Board No. 4
- Diamond Head/Kapahulu/St. Louis Neighborhood Board No. 5
- Palolo Neighborhood Board No. 6
- McCully-Mo'ili'ili Neighborhood Board No. 8
- Ala Moana-Kaka'ako Neighborhood Board No. 11
- Downtown-Chinatown Neighborhood Board No. 13
- Liliha/Pu'unui/Ālewa Neighborhood Board No. 14
- Kalihi Valley Neighborhood Board No. 16
- Moanalua Gardens Community Association

We urge the Legislature to pass SCR 35 and add to the growing support for protecting O'ahu's water. The U.S. Environmental Protection Agency and Hawai'i Department of Health should reject the Navy's proposed tank upgrade alternative and the Groundwater Protection and Evaluation Considerations Report. Furthermore, amending SCR 35 to include relocation language is consistent with existing community sentiment that supports the option for relocation or decommissioning of the tanks.

There is no single greater risk to O'ahu's future drinking water security than the Red Hill Bulk Fuel Storage Facility. Status quo is not acceptable—the tanks at Red Hill should be fitted with secondary containment or the tanks should be retired and the fuel moved to a location that does not risk O'ahu's main drinking water resource.

Thank you very much for this opportunity to provide testimony in **strong support of SCR 35**.



OFFICE OF THE CITY CLERK

CITY AND COUNTY OF HONOLULU
530 SOUTH KING STREET, ROOM 100
HONOLULU, HAWAII 96813-3077
TELEPHONE: (808) 768-3810 • FAX: (808) 768-3835

GLEN I. TAKAHASHI
CITY CLERK

March 8, 2019

Ms. Marti Townsend
Executive Director
Sierra Club of Hawaii
P.O. Box 2577
Honolulu, Hawaii 96803

Dear Director Townsend:

This is to inform you that Resolution 18-266, CD1, urging the United States Environmental Protection Agency and the Hawaii State Department of Health to reject the approval of a single wall tank upgrade alternative option for the Red Hill Bulk Fuel Storage Facility and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility Report dated July 27, 2018, was adopted by the Council of the City and County of Honolulu at its meeting on Friday, March 8, 2019. As directed by the Resolution, a copy is attached for your information.

Sincerely,



GLEN I. TAKAHASHI
City Clerk

II

Attachment



RESOLUTION

URGING THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AND THE HAWAII STATE DEPARTMENT OF HEALTH TO REJECT THE APPROVAL OF A SINGLE WALL TANK UPGRADE ALTERNATIVE OPTION FOR THE RED HILL BULK FUEL STORAGE FACILITY AND TO REJECT THE CONCLUSIONS PRESENTED IN THE GROUNDWATER PROTECTION AND EVALUATION CONSIDERATIONS FOR THE RED HILL BULK FUEL STORAGE FACILITY REPORT DATED JULY 27, 2018.

WHEREAS, samples collected from the steel liner of Tank 14 at the Red Hill Bulk Fuel Storage Facility ("Facility") and examined on June 25, 2018, show the presence of rust on the backside of the liner; and

WHEREAS, this corrosion testing, which was done to assess the accuracy of earlier electromagnetic and ultrasonic scans of the tank liner, was required as part of an Administrative Order on Consent agreement the United States Navy ("U.S. Navy") entered into with the United States Environmental Protection Agency and the Hawaii State Department of Health after a 2014 fuel release at the Facility; and

WHEREAS, under the Facility's Administrative Order on Consent, the U.S. Navy has evaluated six tank upgrade alternative ("TUA") options and has stated in an August 15, 2018 letter that its preferred TUA option moving forward is to "[c]ontinue with sustainment/maintenance of the existing tanks in accordance with current procedures as the Navy's initial best available practicable technology decision submittal," meaning a continuation of the current operation and maintenance of existing single wall tanks, which are one quarter-inch steel plates that date back to the 1940's, and

WHEREAS the U.S. Navy's preferred TUA is noted in its Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility Report ("GPEC Report"), dated July 27, 2018, which will inform the overall TUA decision-making process, and

WHEREAS, the GPEC Report concludes the following: 1) An undetected chronic release of 2,300 gallons per year per tank would be biodegraded in the vadose zone prior to reaching groundwater, 2) A sudden release of approximately 120,000 gallons of petroleum would likely be retained in the underground rocks and/or at the water table without causing petroleum levels in the water at the U.S. Navy Red Hill Shaft water supply to exceed 400 micrograms per liter, and 3) A release as large as 700,000 gallons would not cause an exceedance of 400 micrograms per liter in the water at the U.S. Navy's Red Hill Shaft, since the U.S. Navy's Red Hill Shaft captures all groundwater flow from beneath the tanks underlying Red Hill, and no groundwater flows from Red Hill to any of the Honolulu Board of Water Supply ("BWS") wells; and



RESOLUTION

WHEREAS, the BWS strongly opposes these conclusions, as detailed in written comments dated October 2, 2018, which it submitted to the United States Environmental Protection Agency and the Hawaii State Department of Health; and

WHEREAS, in its comments, BWS stated that "the Red Hill fuel tanks should have secondary containment or be relocated away from the aquifer" and stressed that "Oahu's sole source aquifer is the only one of its kind and cannot be replaced. . . . Allowing any amount of fuel leaks into this resource is passing along a problem to future generations"; now, therefore,

BE IT RESOLVED by the Council of the City and County of Honolulu that this body does not support the United States Navy's findings regarding the Red Hill Bulk Fuel Storage Facility, as the findings do not sufficiently protect the environment and Oahu's drinking water supply, and are not in the best interests of the people of the City and County of Honolulu; and

BE IT FURTHER RESOLVED that the United States Environmental Protection Agency and the Hawaii State Department of Health are urged to reject the approval of a single wall tank upgrade alternative option for the Red Hill Bulk Fuel Storage Facility and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility Report, dated July 27, 2018; and

BE IT FURTHER RESOLVED that the United States Environmental Protection Agency and the Hawaii State Department of Health are urged to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined to be infeasible, to support the relocation of the fuel tanks away from the aquifer, and



CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII

No. 18-266, CD1

RESOLUTION

BE IT FINALLY RESOLVED that copies of the resolution be transmitted to the members of Hawaii's Congressional delegation, the Governor of the State of Hawaii, the Director of the Hawaii State Department of Health, the Chairperson of the Hawaii Department of Land and Natural Resources, the Chair of the Commission on Water Resource Management of the Hawaii Department of Land and Natural Resources, the President of the Senate and the Speaker of the House of Representatives of the Hawaii State Legislature, the Secretary of the United States Navy, the Commander of the United States Indo-Pacific Command, the Commander of the United States Pacific Fleet, the Executive Director of the Sierra Club of Hawaii, the Chair of the Office of Hawaiian Affairs, the Chairperson of the Board of Directors of the Honolulu Board of Water Supply, and the Manager and Chief Engineer of the Honolulu Board of Water Supply.

INTRODUCED BY:

Carol Fukunaga

DATE OF INTRODUCTION

November 19, 2018
Honolulu, Hawaii

Councilmembers

CITY COUNCIL
CITY AND COUNTY OF HONOLULU
HONOLULU, HAWAII
CERTIFICATE

RESOLUTION 18-266, CD1

Introduced: 11/19/18 By: CAROL FUKUNAGA

Committee: PUBLIC
INFRASTRUCTURE,
TECHNOLOGY AND
SUSTAINABILITY


Title: RESOLUTION URGING THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AND THE HAWAII STATE DEPARTMENT OF HEALTH TO REJECT THE APPROVAL OF A SINGLE WALL TANK UPGRADE ALTERNATIVE OPTION FOR THE RED HILL BULK FUEL STORAGE FACILITY AND TO REJECT THE CONCLUSIONS PRESENTED IN THE GROUNDWATER PROTECTION AND EVALUATION CONSIDERATIONS FOR THE RED HILL BULK FUEL STORAGE FACILITY REPORT DATED JULY 27, 2018.

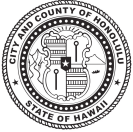
Voting Legend: * = Aye w/Reservations

11/28/18	PUBLIC WORKS, INFRASTRUCTURE AND SUSTAINABILITY	CR-404 – RESOLUTION REPORTED OUT OF COMMITTEE FOR ADOPTION.
12/05/18	COUNCIL	RESOLUTION CANCELLED AND NOT CONSIDERED.
		<u>CC-9(19)</u> KOBAYASHI – RE-REFERRAL OF BILLS, RESOLUTIONS AND COMMUNICATIONS.
02/26/19	PUBLIC INFRASTRUCTURE, TECHNOLOGY AND SUSTAINABILITY	CR-57(19) – RESOLUTION REPORTED OUT OF COMMITTEE FOR ADOPTION AS AMENDED IN CD1 FORM.
03/08/19	COUNCIL	CR-57(19) AND RESOLUTION 18-266, CD1 AS AMENDED WERE ADOPTED. 7 AYES: ELEFANTE, FORMBY, FUKUNAGA, KOBAYASHI, MANAHAN, PINE, TSUNEYOSHI. 2 ABSENT: ANDERSON, MENOR.

I hereby certify that the above is a true record of action by the Council of the City and County of Honolulu on this RESOLUTION.


GLEN I. TAKAHASHI, CITY CLERK


ANN H. KOBAYASHI, INTERIM CHAIR AND PRESIDING OFFICER



KULI'OU'OU-KALANI IKI NEIGHBORHOOD BOARD NO. 2

NEIGHBORHOOD COMMISSION ♦ 925 DILLINGHAM BOULEVARD, SUITE 160 ♦ HONOLULU, HAWAII, 96817
PHONE (808) 768-3710 ♦ FAX (808) 768-3711 ♦ INTERNET <http://www.honolulu.gov/nco>

Resolution to Protect Oahu's Groundwater Resources from the Red Hill Bulk Fuel Storage Tanks

WHEREAS, clean, unpolluted drinking water is a basic human right and held in trust and to be protected for the benefit of the people pursuant to Article XI, Sections 1 and 7 of the Hawai'i State Constitution; and

WHEREAS, the Red Hill Facility contains twenty tanks, each able to hold 12.5 million gallons of fuel that are located 100 feet above a sole source aquifer designated by the U.S. Environmental Protection Agency in 1987 as a major source of drinking water for O'ahu residents and visitors; and

WHEREAS, on January 13, 2014, the U.S. Navy reported a 27,000 gallon leak of jet fuel from its Red Hill Bulk Fuel Storage Facility; and

WHEREAS, since its construction in the 1940s, the U.S. Navy's Red Hill Bulk Fuel Storage Facility has leaked more than thirty times, releasing at least 155,000 gallons of fuel into the environment; and

WHEREAS, water samples from the groundwater near the tanks show traces of petroleum contaminants that are hazardous to human health; and

WHEREAS, the U.S. Navy, the Defense Logistics Agency, the U.S. Environmental Protection Agency, and Hawai'i State Department of Health agreed to an Administrative Order on Consent that is expected to take at least twenty-two years to complete, and

WHEREAS, the Administrative Order on Consent does not guarantee that the tanks will not leak in the future or that future leaks can be cleaned up; and

WHEREAS, the Kuli'ou'ou-Kalani Iki Neighborhood Board #2 would be directly affected if the sole source aquifer beneath the Red Hill Facility were contaminated with fuel; now, therefore

BE IT RESOLVED, that the Kuli'ou'ou-Kalani Iki Neighborhood Board #2 is very concerned about where these tanks are located in relation to a sole source aquifer on O'ahu; and

BE IT FURTHER RESOLVED, that the Kuli'ou'ou-Kalani Iki Neighborhood Board #2 supports precautionary measures to be taken to ensure there is no additional leaks or contamination of our groundwater resources now and into the future; and

BE IT FURTHER RESOLVED, that the Kuli'ou'ou-Kalani Iki Neighborhood Board #2 deems the twenty-two year timeline of the Administrative Order on Consent to be too long to ensure the safety of our groundwater and drinking water resources; and

BE IT FURTHER RESOLVED, that the Kuli'ou'ou-Kalani Iki Neighborhood Board #2 urges the the Navy, the Defense Logistics Agency, the Department of Health, and the Environmental Protection Agency to take urgent action to protect O'ahu's groundwater resources and find a solution to upgrade, retrofit, or decommission the Red Hill Bulk Fuel Storage Facility; and be it

ORDERED, that copies of this resolution be transmitted to the Governor, the Director of the Department of Health, the members of the Honolulu City Council, the members of the Hawai'i State Legislature, and the Hawai'i Congressional delegation.

ADOPTED DURING THE KULI'OU'OU-KALANI NEIGHBORHOOD MEETING ON JUNE 1, 2017

A handwritten signature in black ink, appearing to read "Heather Lum", is written over a horizontal line.

Heather Lum, NB #2 Chair



KAIMUKI NEIGHBORHOOD BOARD NO. 4

NEIGHBORHOOD COMMISSION • 925 DILLINGHAM BOULEVARD, SUITE 160 • HONOLULU, HI 96817

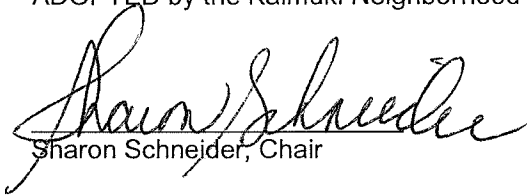
PHONE (808) 768-3710 • FAX (808) 768-3711 • INTERNET <http://www.honolulu.gov/nco>

Resolution to Protect Oahu's Groundwater Resources from the Red Hill Bulk Fuel Storage Tanks

1. WHEREAS, clean, unpolluted drinking water is a basic human right and held in trust and to be protected for the benefit of the people pursuant to Article XI, Sections 1 and 7 of the Hawai'i State Constitution; and
2. WHEREAS, polluted drinking water may affect the health and safety of those consuming such water; and
3. WHEREAS, the U.S. Navy's Red Hill Bulk Fuel Storage Facility (the "Red Hill Facility") contains twenty tanks, each able to hold 12.5 million gallons of fuel that are located 100 feet above the Oahu Sole Source Aquifer as designated by the U.S. Environmental Protection Agency in 1987; and
4. WHEREAS, two of the wells that draw from the Oahu Sole Source Aquifer, the Halawa Shaft and Moanalua Wells, collectively provide twenty-five percent of the drinking water to metropolitan Honolulu, which includes Kaimuki; and
5. WHEREAS, on January 13, 2014, the U.S. Navy reported a 27,000 gallon leak of jet fuel from the Red Hill Facility; and
6. WHEREAS, since its construction in the 1940s, the Red Hill Facility has leaked more than thirty times, releasing at least 155,000 gallons of fuel into the environment; and
7. WHEREAS, two of ten sampling wells collecting water samples from the groundwater above the Oahu Sole Source Aquifer and near the tanks showed traces of petroleum contaminants in 2016; and
8. WHEREAS, the U.S. Navy, the Defense Logistics Agency, the U.S. Environmental Protection Agency, and the Hawai'i State Department of Health agreed to an Administrative Order on Consent ("Administrative Order") to address the issues with the Red Hill Facility, and the terms and conditions of the Administrative Order may take up to twenty-two years to complete, and
9. WHEREAS, while the Administrative Order provides for certain actions to minimize the threat of future releases of fuel from the Red Hill Facility, the Administrative Order also recognizes that there is a need to further understand the potential for, and potential impacts of, fuel releases from the Red Hill Facility, and
10. WHEREAS, the residents represented by Kaimuki Neighborhood Board No. 4 may be affected if the Oahu Sole Source Aquifer beneath the Red Hill Facility were to become contaminated with fuel; now, therefore,
11. BE IT RESOLVED, that the Kaimuki Neighborhood Board No. 4 is very concerned about the existing location of the Red Hill Facility tanks in relation to the Oahu Sole Source Aquifer that serves Kaimuki residents and others; and
12. BE IT FURTHER RESOLVED, that the Kaimuki Neighborhood Board No. 4 is concerned about the length of the twenty-two year timeline of the Administrative Order on Consent in light of the Administrative Order's recognition that there remains a need to understand the potential for, and potential impacts of, fuel releases from the Red Hill Facility; and

13. BE IT FURTHER RESOLVED, that the Kaimuki Neighborhood Board No. 4 urges the parties to the Administrative Order to take timely and appropriate measures to protect O'ahu's groundwater resources and find a solution to prevent future leaks from the Red Hill Facility and contamination of the groundwater above the Oahu Sole Source Aquifer by remediating issues relating to the Red Hill Facility; and be it
14. ORDERED, that copies of this resolution be transmitted to the Governor, the Director of the Department of Health, the members of the Honolulu City Council, the members of the Hawai'i State Legislature, and the Hawai'i Congressional delegation.

ADOPTED by the Kaimuki Neighborhood Board No. 4 at its meeting on October 18, 2017.



Sharon Schneider, Chair



DIAMOND HEAD/KAPAHULU/ST. LOUIS NEIGHBORHOOD BOARD NO. 5

NEIGHBORHOOD COMMISSION • 925 DILLINGHAM BOULEVARD, SUITE 160 • HONOLULU, HI 96817
PHONE (808) 768-3710 • FAX (808) 768-3711 • INTERNET <http://www.honolulu.gov/nco>

Resolution to Protect Oahu's Groundwater Resources from the Red Hill Bulk Fuel Storage Tanks

WHEREAS, clean, unpolluted drinking water is a basic human right and held in trust and to be protected for the benefit of the people pursuant to Article XI, Sections 1 and 7 of the Hawai'i State Constitution; and

WHEREAS, the Red Hill Facility contains twenty tanks, each able to hold 12.5 million gallons of fuel that are located 100 feet above a sole source aquifer designated by the U.S. Environmental Protection Agency in 1987 as a major source of drinking water for O'ahu residents and visitors; and

WHEREAS, on January 13, 2014, the U.S. Navy reported a 27,000 gallon leak of jet fuel from its Red Hill Bulk Fuel Storage Facility; and

WHEREAS, since its construction in the 1940s, the U.S. Navy's Red Hill Bulk Fuel Storage Facility has leaked more than thirty times, releasing at least 155,000 gallons of fuel into the environment; and

WHEREAS, water samples from the groundwater near the tanks show traces of petroleum contaminants that are hazardous to human health; and

WHEREAS, the U.S. Navy, the Defense Logistics Agency, the U.S. Environmental Protection Agency, and Hawai'i State Department of Health agreed to an Administrative Order on Consent that is expected to take at least twenty-two years to complete, and

WHEREAS, the Administrative Order on Consent does not guarantee that the tanks will not leak in the future or that future leaks can be cleaned up; and

WHEREAS, the Diamond Head/Kapahulu/St. Louis Neighborhood Board No. 5 would be directly affected if the sole source aquifer beneath the Red Hill Facility were contaminated with fuel; now, therefore

BE IT RESOLVED, that the Diamond Head/Kapahulu/St. Louis Neighborhood Board No. 5 is very concerned about where these tanks are located in relation to a sole source aquifer on O'ahu; and

BE IT FURTHER RESOLVED, that the Diamond Head/Kapahulu/St. Louis Neighborhood Board No. 5 supports precautionary measures to be taken to ensure there is no additional leaks or contamination of our groundwater resources now and into the future; and

BE IT FURTHER RESOLVED, that the Diamond Head/Kapahulu/St. Louis Neighborhood Board No. 5 deems the twenty-two year timeline of the Administrative Order on Consent to be too long to ensure the safety of our groundwater and drinking water resources; and

BE IT FURTHER RESOLVED, that the Diamond Head/Kapahulu/St. Louis Neighborhood Board No. 5 urges the the Navy, the Defense Logistics Agency, the Department of Health, and the Environmental Protection Agency to take urgent action to protect O'ahu's groundwater resources and find a solution to upgrade, retrofit, or decommission the Red Hill Bulk Fuel Storage Facility; and be it

ORDERED, that copies of this resolution be transmitted to the Governor, the Director of the Department of Health, the members of the Honolulu City Council, the members of the Hawai'i State Legislature, and the Hawai'i Congressional delegation.

ADOPTED by the Diamond Head/Kapahulu/St. Louis Neighborhood Board No. 5 at its meeting on June 8, 2017 and signed by Chair West at the July 9, 2017 meeting.


George West, Chair



PALOLO NEIGHBORHOOD BOARD NO. 6

NEIGHBORHOOD COMMISSION • 925 DILLINGHAM BOULEVARD, SUITE 160 • HONOLULU, HI 96817
PHONE (808) 768-3710 • FAX (808) 768-3711 • INTERNET <http://www.honolulu.gov/nco>

Resolution to Protect Oahu's Groundwater Resources from the Red Hill Bulk Fuel Storage Tanks

WHEREAS, clean, unpolluted drinking water is a basic human right and held in trust and to be protected for the benefit of the people pursuant to Article XI, Sections 1 and 7 of the Hawai'i State Constitution; and

WHEREAS, the Red Hill Facility contains twenty tanks, each able to hold 12.5 million gallons of fuel that are located 100 feet above a sole source aquifer designated by the U.S. Environmental Protection Agency in 1987 as a major source of drinking water for O'ahu residents and visitors; and

WHEREAS, on January 13, 2014, the U.S. Navy reported a 27,000 gallon leak of jet fuel from its Red Hill Bulk Fuel Storage Facility; and

WHEREAS, since its construction in the 1940s, the U.S. Navy's Red Hill Bulk Fuel Storage Facility has leaked more than thirty times, releasing at least 155,000 gallons of fuel into the environment; and

WHEREAS, water samples from the groundwater near the tanks show traces of petroleum contaminants that are hazardous to human health; and

WHEREAS, the U.S. Navy, the Defense Logistics Agency, the U.S. Environmental Protection Agency, and Hawai'i State Department of Health agreed to an Administrative Order on Consent that is expected to take at least twenty-two years to complete, and

WHEREAS, the Administrative Order on Consent does not guarantee that the tanks will not leak in the future or that future leaks can be cleaned up; and

WHEREAS, the Palolo Neighborhood Board No. 6 would be directly affected if the sole source aquifer beneath the Red Hill Facility were contaminated with fuel; now, therefore

BE IT RESOLVED, that the Palolo Neighborhood Board No. 6 is very concerned about where these tanks are located in relation to a sole source aquifer on O'ahu; and

BE IT FURTHER RESOLVED, that the Palolo Neighborhood Board No. 6 supports precautionary measures to be taken to ensure there is no additional leaks or contamination of our groundwater resources now and into the future; and

BE IT FURTHER RESOLVED, that the Palolo Neighborhood Board No. 6 deems the twenty-two year timeline of the Administrative Order on Consent to be too long to ensure the safety of our groundwater and drinking water resources; and

BE IT FURTHER RESOLVED, that the Palolo Neighborhood Board No. 6 urges the the Navy, the Defense Logistics Agency, the Department of Health, and the Environmental Protection Agency to take urgent action to protect O'ahu's groundwater resources and find a solution to upgrade, retrofit, or decommission the Red Hill Bulk Fuel Storage Facility; and be it

ORDERED, that copies of this resolution be transmitted to the Governor, the Director of the Department of Health, the members of the Honolulu City Council, the members of the Hawai'i State Legislature, and the Hawai'i Congressional delegation.

ADOPTED by the Palolo Neighborhood Board No. 6 at its meeting on October 11, 2017.

A handwritten signature in black ink, appearing to read "Randolph Hack", is written over a horizontal line.

Randolph Hack, Chair



McCULLY/MO'ILI'ILI NEIGHBORHOOD BOARD NO. 8

c/o NEIGHBORHOOD COMMISSION • 925 DILLINGHAM BOULEVARD, SUITE 160 • HONOLULU, HAWAII, 96817
TELEPHONE: (808) 768-3710 • FAX: (808) 768-3711 • INTERNET: <http://www.honolulu.gov/nco>

RESOLUTION

URGING PROMPT ACTION TO PROTECT OAHU'S GROUNDWATER RESOURCES FROM RED HILL BULK FUEL STORAGE FACILITY TANK LEAKS

WHEREAS, clean, unpolluted drinking water is a basic human right and held in public trust to be protected for the benefit of the people pursuant to Article XI, Sections 1 and 7 of the Hawaii State Constitution; and

WHEREAS, the U.S. Navy's Red Hill Bulk Fuel Storage Facility ("Facility")—completed in the 1940s and containing 20 tanks measuring 250 feet high and 100 feet wide, each able to hold 12.5 million gallons of fuel—is located just 100 feet above a sole source aquifer designated by the U.S. Environmental Protection Agency (EPA) in 1987 as a major source of drinking water for Oahu residents and visitors; and

WHEREAS, on January 13, 2014, the U.S. Navy reported a 27,000 gallon leak of jet fuel from the Facility; and

WHEREAS, since its construction in the 1940s, the Facility has leaked more than 30 times, releasing at least 155,000 gallons of fuel into the environment; and

WHEREAS, water samples from the groundwater near the tanks show traces of petroleum contaminants that are hazardous to human health; and

WHEREAS, the U.S. Navy, Defense Logistics Agency, EPA, and State of Hawaii Department of Health (DOH) agreed to an Administrative Order on Consent (AOC) that is expected to take at least 22 years to complete and does not guarantee that the tanks will not leak in the future or that future leaks can be cleaned up; and

WHEREAS, the Honolulu Board of Water Supply presented concerns at its September 24, 2018, meeting regarding through-wall pitting and fuel leaks after its preliminary examination of steel liner samples from Tank 14 of the Facility found backside corrosion on several of the samples, with one sample having less than a third of the original steel lining thickness remaining; and

WHEREAS, the McCully-Moiliili neighborhood would be directly affected if the sole source aquifer beneath the Facility were contaminated with fuel; now, therefore,

BE IT RESOLVED, that the McCully-Moiliili Neighborhood Board No. 8 is very concerned about where these fuel tanks are located in relation to a sole source aquifer on Oahu; and

BE IT FURTHER RESOLVED, that the Board supports immediate precautionary measures to be taken to ensure there are no additional leaks or contamination of our groundwater resources now and into the future; and

BE IT FURTHER RESOLVED, that the Board deems the 22-year timeline of the AOC to be too long and not responsive to the immediate need to ensure the safety of our groundwater and drinking water resources; and

BE IT FURTHER RESOLVED, that the Board urges the Navy, Defense Logistics Agency, DOH, and EPA to take prompt action and implement necessary measures to ensure the long-term protection of Oahu's groundwater resources, and reach agreement on the tank upgrade alternative for the Facility that is testable, inspectable, repairable, reliable, and provides secondary containment, or instead decommission the Facility; and

BE IT FINALLY RESOLVED, that copies of this resolution be transmitted to the Commander of the Navy Region Hawaii, the Director of the Defense Logistics Agency, the Administrator of the U.S. Environmental Protection Agency, all members of the Fuel Tank Advisory Committee established by Hawaii Revised Statutes section 342L-61, all members of the Hawaii Congressional delegation, the Governor of the State of Hawaii, all members of the Hawaii State Legislature, the Mayor of the City and County of Honolulu, all members of the Honolulu City Council, and the chair of each Neighborhood Board in the City and County of Honolulu.

This resolution was ADOPTED by the McCully-Moiliili Neighborhood Board No. 8 at its March 7, 2019, regular meeting, 11-0-0 (AYE: Araceley, Barber, Devilbiss, Fujishige, LaHaela Walter, Robotti, St. Sure, Streitz, Takamura, Vares, Zibakalam; NAY: None; ABSTAIN: None).



ALA MOANA-KAKA'AKO NEIGHBORHOOD BOARD NO. 11

NEIGHBORHOOD COMMISSION • 925 DILLINGHAM BOULEVARD, SUITE 160 • HONOLULU, HAWAII, 96817
PHONE (808) 768-3710 • FAX (808) 768-3711 • INTERNET <http://www.honolulu.gov/nco>

RESOLUTION TO SUPPORT THE PROTECTION OF OAHU'S GROUNDWATER RESOURCES
FROM THE RED HILL BULK FUEL STORAGE TANKS

WHEREAS, clean, unpolluted drinking water is a basic human need and all public natural resources are held in trust and to be protected for the benefit of the people pursuant to Article XI, Sections 1 and 7 of the Hawai'i State Constitution; and

WHEREAS, the Red Hill Facility contains twenty tanks, each able to hold 12.5 million gallons of fuel that are located 100 feet above a sole source aquifer designated by the U.S. Environmental Protection Agency in 1987 as a major source of drinking water for O'ahu residents and visitors; and

WHEREAS, since its construction in the 1940s, the U.S. Navy's Red Hill Bulk Fuel Storage Facility has leaked more than thirty times, releasing at least 155,000 gallons of fuel into the environment; and

WHEREAS, the U.S. Navy, the Defense Logistics Agency, the U.S. Environmental Protection Agency, and Hawai'i State Department of Health agreed to an Administrative Order on Consent in response to a January 2014 fuel release that is expected to take at least twenty-two years to complete, and

WHEREAS, the Ala Moana-Kakaako Neighborhood Board No. 11 ("the Board") would be directly affected if the sole source aquifer beneath the Red Hill Facility were contaminated with fuel; and now, therefore

BE IT RESOLVED, that the Board urges the Navy, the Defense Logistics Agency, the Department of Health, and the Environmental Protection Agency to take urgent action to protect O'ahu's groundwater resources and find a solution to upgrade, retrofit, or decommission the Red Hill Bulk Fuel Storage Facility in order to ensure that there are no additional leaks or contamination of groundwater resources now and into the future; and

BE IT RESOLVED, that the Board deems the twenty-two year timeline of the Administrative Order on Consent to be too long to ensure the safety of our groundwater and drinking water resources; and

BE IT FINALLY RESOLVED, that copies of this resolution be distributed electronically to the Governor, the Director of the Department of Health, the members of the Honolulu City Council, the members of the Hawai'i State Legislature, and the Hawai'i Congressional delegation.

ADOPTED by the Ala Moana-Kakaako Neighborhood Board No. 11 at its regular meeting on Tuesday, May 23, 2017, by a vote of 6-1-1.

RYAN TAM
Chair

Resolution to Protect Oahu's Groundwater Resources from the Red Hill Bulk Fuel Storage Tanks

WHEREAS, clean, unpolluted drinking water is a basic human right and held in trust and to be protected for the benefit of the people pursuant to Article XI, Sections 1 and 7 of the Hawai'i State Constitution; and

WHEREAS, the Red Hill Facility contains twenty tanks, each able to hold 12.5 million gallons of fuel that are located 100 feet above a sole source aquifer designated by the U.S. Environmental Protection Agency in 1987 as a major source of drinking water for O'ahu residents and visitors; and

WHEREAS, on January 13, 2014, the U.S. Navy reported a 27,000 gallon leak of jet fuel from its Red Hill Bulk Fuel Storage Facility; and

WHEREAS, since its construction in the 1940s, the U.S. Navy's Red Hill Bulk Fuel Storage Facility has leaked more than thirty times, releasing at least 155,000 gallons of fuel into the environment; and

WHEREAS, water samples from the groundwater near the tanks show traces of petroleum contaminants that are hazardous to human health; and

WHEREAS, the U.S. Navy, the Defense Logistics Agency, the U.S. Environmental Protection Agency, and Hawai'i State Department of Health agreed to an Administrative Order on Consent that is expected to take at least twenty-two years to complete, and

WHEREAS, the Administrative Order on Consent does not guarantee that the tanks will not leak in the future or that future leaks can be cleaned up; and

WHEREAS, the Downtown-Chinatown Neighborhood Board No. 13 would be directly affected if the sole source aquifer beneath the Red Hill Facility were contaminated with fuel; now, therefore


BE IT RESOLVED, that the Downtown-Chinatown Neighborhood Board No. 13 is very concerned about where these tanks are located in relation to a sole source aquifer on O'ahu; and

BE IT FURTHER RESOLVED, that the Downtown-Chinatown Neighborhood Board No. 13 supports precautionary measures to be taken to ensure there is no additional leaks or contamination of our groundwater resources now and into the future; and

BE IT FURTHER RESOLVED, that the Downtown-Chinatown Neighborhood Board No. 13 deems the twenty-two year timeline of the Administrative Order on Consent to be too long to ensure the safety of our groundwater and drinking water resources; and

BE IT FURTHER RESOLVED, that the Downtown-Chinatown Neighborhood Board No. 13 urges the the Navy, the Defense Logistics Agency, the Department of Health, and the Environmental Protection Agency to take urgent action to protect O'ahu's groundwater resources and find a solution to upgrade, retrofit, or decommission the Red Hill Bulk Fuel Storage Facility; and be it

ORDERED, that copies of this resolution be transmitted to the Governor, the Director of the Department of Health, the members of the Honolulu City Council, the members of the Hawai'i State Legislature, and the Hawai'i Congressional delegation.



ALVIN AU, CHAIR
DOWNTOWN CHINATOWN NEIGHBORHOOD
BOARD #13
June 1, 2017



LILIHA/PU'UNUI/'ĀLEWA NEIGHBORHOOD BOARD NO. 14

NEIGHBORHOOD COMMISSION • 925 DILLINGHAM BOULEVARD, SUITE 160 • HONOLULU, HI 96817

PHONE (808) 768-3710 • FAX (808) 768-3711 • INTERNET <http://www.honolulu.gov/nco>

Resolution to Protect Oahu's Groundwater Resources from the Red Hill Bulk Fuel Storage Tanks

WHEREAS, clean, unpolluted drinking water is a basic human right and held in trust and to be protected for the benefit of the people pursuant to Article XI, Sections 1 and 7 of the Hawai'i State Constitution; and

WHEREAS, the Red Hill Facility contains twenty tanks, each able to hold 12.5 million gallons of fuel that are located 100 feet above a sole source aquifer designated by the U.S. Environmental Protection Agency in 1987 as a major source of drinking water for O'ahu residents and visitors; and

WHEREAS, on January 13, 2014, the U.S. Navy reported a 27,000 gallon leak of jet fuel from its Red Hill Bulk Fuel Storage Facility; and

WHEREAS, since its construction in the 1940s, the U.S. Navy's Red Hill Bulk Fuel Storage Facility has leaked more than thirty times, releasing at least 155,000 gallons of fuel into the environment; and

WHEREAS, water samples from the groundwater near the tanks show traces of petroleum contaminants that are hazardous to human health; and

WHEREAS, the U.S. Navy, the Defense Logistics Agency, the U.S. Environmental Protection Agency, and Hawai'i State Department of Health agreed to an Administrative Order on Consent that is expected to take at least twenty-two years to complete, and

WHEREAS, the Administrative Order on Consent does not guarantee that the tanks will not leak in the future or that future leaks can be cleaned up; and

WHEREAS, the Liliha/Pu'unui/'Ālewa Neighborhood Board No. 14 would be directly affected if the sole source aquifer beneath the Red Hill Facility were contaminated with fuel; now, therefore

BE IT RESOLVED, that the Liliha/Pu'unui/'Ālewa Neighborhood Board No. 14 is very concerned about where these tanks are located in relation to a sole source aquifer on O'ahu; and

BE IT FURTHER RESOLVED, that the Liliha/Pu'unui/'Ālewa Neighborhood Board No. 14 supports precautionary measures to be taken to ensure there is no additional leaks or contamination of our groundwater resources now and into the future; and

BE IT FURTHER RESOLVED, that the Liliha/Pu'unui/'Ālewa Neighborhood Board No. 14 deems the twenty-two year timeline of the Administrative Order on Consent to be too long to ensure the safety of our groundwater and drinking water resources; and

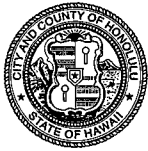
BE IT FURTHER RESOLVED, that the Liliha/Pu'unui/'Ālewa Neighborhood Board No. 14 urges the the Navy, the Defense Logistics Agency, the Department of Health, and the Environmental Protection Agency to take urgent action to protect O'ahu's groundwater resources and find a solution to upgrade, retrofit, or decommission the Red Hill Bulk Fuel Storage Facility; and be it

ORDERED, that copies of this resolution be transmitted to the Governor, the Director of the Department of Health, the members of the Honolulu City Council, the members of the Hawai'i State Legislature, and the Hawai'i Congressional delegation.

ADOPTED by the Liliha/Pu'unui/'Ālewa Neighborhood Board No. 14 at its meeting on August 14, 2017.


Wesley Fong, Chair

14 August 2017



KALIHI VALLEY NEIGHBORHOOD BOARD NO. 16

c/o NEIGHBORHOOD COMMISSION • 925 DILLINGHAM BOULEVARD SUITE 160 • HONOLULU, HAWAII, 96817
PHONE: (808) 768-3710 • FAX: (808) 768-3711 • INTERNET: www.honolulu.gov/nco

Resolution to Protect Oahu's Groundwater Resources from the Red Hill Bulk Fuel Storage Tanks

WHEREAS, clean, unpolluted drinking water is a basic human right and held in trust and to be protected for the benefit of the people pursuant to Article XI, Sections 1 and 7 of the Hawai'i State Constitution; and

WHEREAS, the Red Hill Facility contains twenty tanks, each able to hold 12.5 million gallons of fuel that are located 100 feet above a sole source aquifer designated by the U.S. Environmental Protection Agency in 1987 as a major source of drinking water for O'ahu residents and visitors; and

WHEREAS, on January 13, 2014, the U.S. Navy reported a 27,000 gallon leak of jet fuel from its Red Hill Bulk Fuel Storage Facility; and

WHEREAS, since its construction in the 1940s, the U.S. Navy's Red Hill Bulk Fuel Storage Facility has leaked more than thirty times, releasing at least 155,000 gallons of fuel into the environment; and

WHEREAS, water samples from the groundwater near the tanks show traces of petroleum contaminants that are hazardous to human health; and

WHEREAS, the U.S. Navy, the Defense Logistics Agency, the U.S. Environmental Protection Agency, and Hawai'i State Department of Health agreed to an Administrative Order on Consent that is expected to take at least twenty-two years to complete, and

WHEREAS, the Administrative Order on Consent does not guarantee that the tanks will not leak in the future or that future leaks can be cleaned up; now, therefore

BE IT RESOLVED, that the Kalihi Valley Neighborhood Board No. 16 is very concerned about where these tanks are located in relation to a sole source aquifer on O'ahu; and

BE IT FURTHER RESOLVED, that the Kalihi Valley Neighborhood Board No. 16 supports precautionary measures to be taken to ensure there is no additional leaks or contamination of our groundwater resources now and into the future; and

BE IT FURTHER RESOLVED, that the Kalihi Valley Neighborhood Board No. 16 deems the twenty-two year timeline of the Administrative Order on Consent to be too long to ensure the safety of our groundwater and drinking water resources; and

BE IT FURTHER RESOLVED, that the Kalihi Valley Neighborhood Board No. 16 urges the Navy, the Defense Logistics Agency, the Department of Health, and the Environmental Protection Agency to take urgent action to protect O'ahu's groundwater resources and find a solution to upgrade, retrofit, or decommission the Red Hill Bulk Fuel Storage Facility; and be it

ORDERED, that copies of this resolution be transmitted to the Governor, the Director of the Department of Health, the members of the Honolulu City Council, the members of the Hawai'i State Legislature, and the Hawai'i Congressional delegation.

ADOPTED during the Kalihi Valley Neighborhood Board meeting on June 14, 2017.

A handwritten signature in black ink, appearing to read "Christopher Wong", is written over a horizontal line.

Christopher Wong, Chairperson

Resolution to Protect Oahu's Groundwater Resources from the Red Hill Bulk Fuel Storage Tanks

WHEREAS, clean, unpolluted drinking water is a basic human right and held in trust and to be protected for the benefit of the people pursuant to Article XI, Sections 1 and 7 of the Hawai'i State Constitution; and

WHEREAS, the Red Hill Facility contains twenty tanks, each able to hold 12.5 million gallons of fuel that are located 100 feet above a sole source aquifer designated by the U.S. Environmental Protection Agency in 1987 as a major source of drinking water for O'ahu residents and visitors; and

WHEREAS, on January 13, 2014, the U.S. Navy reported a 27,000 gallon leak of jet fuel from its Red Hill Bulk Fuel Storage Facility; and

WHEREAS, since its construction in the 1940s, the U.S. Navy's Red Hill Bulk Fuel Storage Facility has leaked more than thirty times, releasing at least 155,000 gallons of fuel into the environment; and

WHEREAS, water samples from the groundwater near the tanks show traces of petroleum contaminants that are hazardous to human health; and

WHEREAS, the U.S. Navy, the Defense Logistics Agency, the U.S. Environmental Protection Agency, and Hawai'i State Department of Health agreed to an Administrative Order on Consent that is expected to take at least twenty-two years to complete, and

WHEREAS, the Administrative Order on Consent does not guarantee that the tanks will not leak in the future or that future leaks can be cleaned up; and

WHEREAS, the Moanalua Gardens Community Association would be directly affected if the sole source aquifer beneath the Red Hill Facility were contaminated with fuel; now, therefore

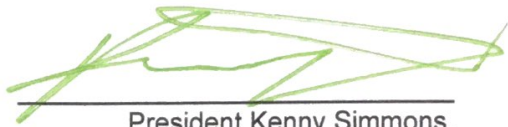
BE IT RESOLVED, that the Moanalua Gardens Community Association is very concerned about where these tanks are located in relation to a sole source aquifer on O'ahu; and

BE IT FURTHER RESOLVED, that the Moanalua Gardens Community Association supports precautionary measures to be taken to ensure there is no additional leaks or contamination of our groundwater resources now and into the future; and

BE IT FURTHER RESOLVED, that the Moanalua Gardens Community Association deems the twenty-two year timeline of the Administrative Order on Consent to be too long to ensure the safety of our groundwater and drinking water resources; and

BE IT FURTHER RESOLVED, that the Moanalua Gardens Community Association urges the the Navy, the Defense Logistics Agency, the Department of Health, and the Environmental Protection Agency to take urgent action to protect O'ahu's groundwater resources and find a solution to upgrade, retrofit, or decommission the Red Hill Bulk Fuel Storage Facility; and be it

ORDERED, that copies of this resolution be transmitted to the Governor, the Director of the Department of Health, the members of the Honolulu City Council, the members of the Hawai'i State Legislature, and the Hawai'i Congressional delegation.



President Kenny Simmons,
Moanalua Gardens Community Association
August 1, 2017

LATE

SCR-35

Submitted on: 3/19/2019 9:01:20 PM

Testimony for AEN on 3/20/2019 1:15:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
David Mulinix	Testifying for Our Revolution Hawaii	Support	No

Comments:

Aloha Senators,

On behalf of Our Revolution Hawaii's 5,000 members and supporters I am writing in support of SCR 35. The Navy's Red Hill fuel tanks, sitting above Honolulu's aquifer, endangers the drinking water of the majority of the people in the state of Hawaii.

The Navy's single wall upgrades proposal is inadequate to ensure the safety of Oahu's main source of clean drinking water. These tanks must be closed down and moved to protect the health and safety of the people of Oahu.

Mahalo for your kind attention,

Dave Mulinix, Our Revolution Hawaii

47-185-A Hui Akepa Place, Kaneohe

SCR-35

Submitted on: 3/16/2019 6:22:07 AM

Testimony for AEN on 3/20/2019 1:15:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Randy Ching	Individual	Support	No

Comments:

Chairs Gabbard and Nishihara, Vice Chairs Ruderman and Wakai and members of the committees,

I strongly support SCR35. The tanks at Red Hill were not meant to last forever. With thinning steel walls and no plan to update tank structure to ensure protection of our water, we are calling on the Navy to shut down the Red Hill facility and relocate the fuel away from our drinking water.

Please pass SCR35. Mahalo for your consideration.

Randy Ching (Honolulu)

SCR-35

Submitted on: 3/17/2019 10:24:23 PM

Testimony for AEN on 3/20/2019 1:15:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Lori	Individual	Support	No

Comments:

SCR-35

Submitted on: 3/18/2019 2:21:52 AM

Testimony for AEN on 3/20/2019 1:15:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Barbara L. George	Individual	Support	No

Comments:

SUPPORT IN THE STRONGEST TERMS!!!!!!

From: alastairglennie@everyactioncustom.com on behalf of [alastair glennie](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Sunday, March 17, 2019 3:54:15 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

Aloha,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Mahalo for the opportunity to testify and for taking up this important measure.

Sincerely,
alastair glennie

From: jody.smith@everyactioncustom.com on behalf of [Jody Smith](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Sunday, March 17, 2019 4:15:57 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Jody Smith

From: gpuppione@everyactioncustom.com on behalf of [Greg Puppione](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Sunday, March 17, 2019 4:36:44 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

Hi,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources. The military has the money, the technology, the land, and the know-how to relocate the fuel, but they won't do it unless we make them. Please make them.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Greg Puppione

From: instantkarma90@everyactioncustom.com on behalf of [John Stephens](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Sunday, March 17, 2019 4:55:46 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Clean water is something we must demand from our elected officials. Financial problems must not be the determining issue nor should we be swayed by political opinions. How sad that we have come to this place where we have to ask our leaders to make clean water a reality.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
John Stephens

From: patriciablair@everyactioncustom.com on behalf of [Patricia Blair](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Sunday, March 17, 2019 5:41:00 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Patricia Blair

From: yappygrl1@everyactioncustom.com on behalf of [Sandra Fujita](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Sunday, March 17, 2019 5:52:11 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Sandra Fujita

From: deegreen15@everyactioncustom.com on behalf of [Wendy Green](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Sunday, March 17, 2019 6:19:50 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Wendy Green

From: autospecialist@everyactioncustom.com on behalf of [Glenn Nishida](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Sunday, March 17, 2019 6:48:53 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Glenn Nishida

From: namisop35@everyactioncustom.com on behalf of [Namphuong Quach](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Sunday, March 17, 2019 7:09:43 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Namphuong Quach

From: elise808@everyactioncustom.com on behalf of [Elise Lee](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Sunday, March 17, 2019 8:53:42 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Elise Lee

From: 333cory@everyactioncustom.com on behalf of [Cory Harden](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Sunday, March 17, 2019 10:30:02 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

No tourist is going to pay to fly to Hawai'i to drink fuel-contaminated water.

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Cory Harden

From: jody.smith@everyactioncustom.com on behalf of [Jody Smith](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Monday, March 18, 2019 6:58:51 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Jody Smith

From: junshinbusiness729@everyactioncustom.com on behalf of [Jun Shin](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Monday, March 18, 2019 1:52:43 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Jun Shin

From: wliggett@everyactioncustom.com on behalf of [William Liggett](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Monday, March 18, 2019 3:37:43 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments: I urge the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer. USN land at Lualualei would be a good place for relocated fuel.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
William Liggett

From: woonicole@everyactioncustom.com on behalf of [Nicole Woo](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Monday, March 18, 2019 3:51:24 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

Thank you for the opportunity to provide testimony on this important public health and environmental issue.

I am a taxpayer and resident of O'ahu. I drink our naturally filtered tap water, which we are blessed with here in Hawaii. I also rely on it for cooking, bathing, and cleaning, as do all of my neighbors.

Please protect one of our most valuable and crucial natural resources -- O'ahu's drinking water -- from any further fuel contamination by the fragile, massive tanks at Red Hill.

The status quo is not acceptable. The tanks at Red Hill should be fitted with secondary containment, or the tanks should be retired and the fuel moved to a location that does not risk O'ahu's main drinking water resource.

Please pass SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

Sincerely,
Nicole Woo

From: redahi@everyactioncustom.com on behalf of [B.A.McClintock](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Sunday, March 17, 2019 3:27:44 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
B.A. McClintock

SCR-35

Submitted on: 3/18/2019 8:14:10 PM

Testimony for AEN on 3/20/2019 1:15:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Kim Jorgensen	Individual	Support	No

Comments:

Dear Senators,

“Woulda, coulda, shoulda” - - three words that I hope to never hear our elected and appointed government officials say after a catastrophic leak from any field-constructed underground storage tank in Hawaii.

The twenty **old, rusting, deteriorating, single-walled tanks** inside Red Hill that can store just over 200 million gallons of jet fuel a mere 100 feet above the primary source of water for hundreds of thousands of Oahu’s citizens and tourists **present a life-threatening risk**.

The tanks are more eroded than anyone thought.

They must be emptied and retired urgently.

They do not need the Navy’s BAND-AID over a GAPING WOUND.

The Navy has an ulterior motive to delay doing the right thing, and to insist on doing the easiest repairs; and it has nothing to do with the health and water safety of the citizens of O'ahu - - it all boils down to money.

Please make it impossible for residents, tourists, the nation, and the world to ever hear, **‘woulda, coulda, shoulda’** in the same sentence with Red Hill.

Respectfully yours,
Kim Jorgensen
Waikiki

March 20, 2019

RE: SCR 35 – Red Hill Jet Fuel Tanks

Attn: Committee on Agriculture and Environment
Committee on Public Safety, Intergovernmental, and Military Affairs

Dear Senators:

Preventing a catastrophic crisis is a lot easier than eventually dealing with one - - easier on humans; easier on wildlife; and easier on the environment.

1989 saw the **Exxon Valdez disaster in Alaska**, the body of water was the Prince William Sound

- 11 million gallons of oil contaminated 1,300 miles of coastline
- It was caused by human error

2010 saw the **Deepwater Horizon disaster in Louisiana**, the body of water was the Gulf of Mexico

- Approximately 210 million gallons of oil were discharged
- It was caused by 5 key human errors, and 1 colossal mechanical error

Red Hill, Hawaii; the body of water is O'ahu's primary sole-source aquifer
Which year could become equally as famous is anyone's guess:

- 2020?
- 2025?
- It could even be 2019

They say hindsight is 20/20

- It was human error to install the tanks on top of the aquifer in the 1940s
- And it will definitely be human error today to believe the Navy when they say that every square inch of these gigantic, old and rusting, single-layer tanks filled with jet fuel pushing against their fragile sides can be meticulously monitored and safely repaired with metal Band-Aids

The tanks have served their purpose - - - and overstayed their welcome.

They must now be emptied and retired before disaster strikes the main body of drinking water that hundreds of thousands of residents and tourists depend upon every single day.

Please, as members of our State Senate, use your power to protect us and our water so we don't become another **Flint, Michigan**.

Thank you very much for your consideration.

Sincerely,
Denise Boisvert
Waikiki

SCR-35

Submitted on: 3/19/2019 2:27:03 AM

Testimony for AEN on 3/20/2019 1:15:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Kim Coco Iwamoto	Individual	Support	No

Comments:

Testimony in STRONG SUPPORT of SCR35

Many of your Committee Members may already be familiar with the military strategy commonly known as “Scorched Earth.” The general goal is to destroy anything that might be useful to the enemy if there is a retreat. This strategy has been used since the earliest recorded wars; it focused on destroying food supplies and poisoning wells.

“Scorched Earth” was widely used during World War II. The Nazi’s implemented this policy across Europe during their retreat at the end of the war: entire cities were razed.

According to a U.S. Army Corps of Engineers Inventory of Records before 1948: “After the Pearl Harbor attack, the engineers planned for “scorched earth” destruction of military **and civilian** buildings in case of enemy invasion.” The Inventory includes Scorched Earth policies, plans and correspondence relating to the “Demolishing or incapacitating equipment, facilities, **utilities**, and material on Oahu under military necessity.” And it specifically cites “destruction of gasoline.”

To recap: Pearl Harbor was attacked in 1941. The installation of the Red Hill Fuel Tanks was completed in 1943 — the same year most of the Hawaii “Scorched Earth” policies and plans were written. The 20 Red Hill fuel tanks were positioned 100 feet directly above Oahu’s main aquifer supplying water to the most densely populated civilian areas and military base.

Fast forward to the U.S. use of “Scorched Earth” tactics during the Vietnam War. The U.S. used Agent Orange, Agent Blue and flame throwers to literally scorch the earth — and civilians.

The scale of environmental and humanitarian destruction got so out of hand that the 1977 Geneva Convention finally banned the use of this military tactic to destroy the food and water supply of civilian populations.

Despite this 1977 Geneva Convention ban, the US Navy continues to weaponize Red Hill and keep it on the ready to destroy this important aquifer. Because fuel goes bad over time, the tanks need to be constantly depleted. Every time the Navy refills a fuel tank, they are basically reloading the weapon.

I urge this committee to reject the US Navy's decision to merely reline the degraded tanks - they must decommission the tanks where they are currently located.

Thank you for your consideration,

Kim Coco Iwamoto

SCR-35

Submitted on: 3/19/2019 9:01:03 AM

Testimony for AEN on 3/20/2019 1:15:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Nathan Yuen	Individual	Support	No

Comments:

As a life-long resident of O‘ahu who relies on drinking water from the Pearl Harbor Aquifer, I strongly support Senate Concurrent Resolution 35 that rejects the single wall tank upgrade option being proposed by the Navy for the underground fuel storage tanks at Red Hill.

O‘ahu is the most populace island in the Hawaiian Islands because of its groundwater resources. We cannot sustain O‘ahu’s large population without the Pearl Harbor Aquifer – the largest aquifer on the island. The Red Hill fuel tanks pose the greatest threat to O‘ahu’s drinking water and the health of our people.

The Red Hill Fuel Storage Tanks were not built to last forever. Today, the tanks have deteriorating to the point where they are unsafe. The steel liners are corroding faster than expected and are as thin as half of the original steel plates.

The Red Hill facility has leaked multiple times – the most recent being 27,000 gallons of fuel in 2014. No amount of fuel in our groundwater is acceptable. With 225 million gallons of fuel in corroding 75 year old tanks sitting just 100 feet above our primary aquifer, the tanks are a disaster just waiting to happen.

Under current Department of Health administrative rules, private operators of underground fuel storage tanks are required to employ secondary containment. Under this design, fuel tanks are surrounded by another tank designed to contain any leak of that may occur in the primary tank. It’s crazy to hold private operators to a higher standard that the Red Hill tanks when private operators are not the ones posing the greatest threat to Oahu’s aquifer. The Navy must be held to the same if not higher standard since the Navy’s tanks sit just 100 feet above our primary aquifer.

The Red Hill Fuel underground fuel storage tanks need to be upgraded with state-of-the-art secondary containment technology. The threat they pose of Oahu drinking water supply is too great. The aquifer is made from porous rock with countless tiny cavities that hold fresh water. There is no way to clean these tiny cavities once they are contaminated with fuel. If the tanks cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Mahalo for this opportunity to testify on this matter of crucial importance to residents of

O'ahu.

Sincerely,
Nathan Yuen

From: leiahi@everyactioncustom.com on behalf of [Linda Wong](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 1:39:24 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I have stopped drinking public water issue. I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Linda Wong

From: carie.sarver14@everyactioncustom.com on behalf of [Carie Sarver](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 6:38:33 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

Having moved here from Flint, Michigan where the years long water crisis is still affecting friends and family I urge you to do everything in your power to protect Oahu's drinking water.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you taking up this important measure.

Sincerely,
Carie Sarver

From: kendraroz@everyactioncustom.com on behalf of [Kendra Ozaki](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 7:35:00 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Kendra Ozaki

From: patriciablair@everyactioncustom.com on behalf of [Patricia Blair](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 7:44:32 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Patricia Blair

From: makikirandy@everyactioncustom.com on behalf of [Randy Ching](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 7:46:59 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Randy Ching

From: m2@everyactioncustom.com on behalf of [Marilyn Mick](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 7:51:31 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Marilyn Mick

From: kealelani@everyactioncustom.com on behalf of [Lory Ono](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 7:56:42 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Lory Ono

From: 808nateyuen@everyactioncustom.com on behalf of [Nathan Yuen](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 8:03:38 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a life-long resident of O'ahu who relies on drinking water from the Pearl Harbor Aquifer, I strongly support Senate Concurrent Resolution 35 that rejects the single wall tank upgrade option being proposed by the Navy for the underground fuel storage tanks at Red Hill.

O'ahu is the most populace island in the Hawaiian Islands because of its groundwater resources. We cannot sustain O'ahu's large population without the Pearl Harbor Aquifer – the largest aquifer on the island. The Red Hill fuel tanks pose the greatest threat to O'ahu's drinking water and the health of our people.

The Red Hill Fuel Storage Tanks were not built to last forever. Today, the tanks have deteriorating to the point where they are unsafe. The steel liners are corroding faster than expected and are as thin as half of the original steel plates.

The Red Hill facility has leaked multiple times – the most recent being 27,000 gallons of fuel in 2014. No amount of fuel in our groundwater is acceptable. With 225 million gallons of fuel in corroding 75 year old tanks sitting just 100 feet above our primary aquifer, the tanks are a disaster just waiting to happen.

Under current Department of Health administrative rules, private operators of underground fuel storage tanks are required to employ secondary containment. Under this design, fuel tanks are surrounded by another tank designed to contain any leak of that may occur in the primary tank. It's crazy to hold private operators to a higher standard than the Red Hill tanks when private operators are not the ones posing the greatest threat. The Navy must be held to the same if not higher standard since the Navy's tanks sit just 100 feet above our primary aquifer.

The Red Hill Fuel underground fuel storage tanks need to be upgraded with state-of-the-art secondary containment technology. The threat they pose of Oahu drinking water supply is too great. The aquifer is made from porous rock with countless tiny cavities that hold fresh water. There is no way to clean these tiny cavities once they are contaminated with fuel. If the tanks cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Mahalo for this opportunity to testify on this matter of crucial importance to residents of O'ahu.

Sincerely,
Nathan Yuen

Sincerely,
Nathan Yuen

From: mason.allan@everyactioncustom.com on behalf of [Allan Mason](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 8:17:07 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Allan Mason

From: pakaharp@everyactioncustom.com on behalf of [Isaac Harp](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 8:30:27 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

Aloha,

The Red Hill underground fuel storage tanks should never have been built in the existing location. The fuel should be moved as soon as possible to a location where it can never pose a threat to Oahu's aquifer.

Mahalo.

Sincerely,
Isaac Harp

From: murata@everyactioncustom.com on behalf of [Anne Murata](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 8:37:19 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Anne Murata

From: darlene.rodriques@everyactioncustom.com on behalf of [Darlene Rodrigues](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 8:37:54 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Darlene Rodrigues

From: mahalligan1@everyactioncustom.com on behalf of [Michele Halligan](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 8:47:30 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a former resident of Maui and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Michele Halligan

From: menjavi@everyactioncustom.com on behalf of [Javier Mendez](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Monday, March 18, 2019 7:43:23 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Javier Mendez

SCR-35

Submitted on: 3/19/2019 10:20:14 AM

Testimony for AEN on 3/20/2019 1:15:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Andrea Quinn	Individual	Support	No

Comments:

Dear Honorable Committee Members:

Please support SCR35 to protect Hawaii's fragile environment and marine ecosystem.

Thank you for the opportunity to present my testimony.

Andrea Quinn

Kihei

SCR-35

Submitted on: 3/19/2019 11:16:15 AM

Testimony for AEN on 3/20/2019 1:15:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Mary Lacques	Individual	Support	No

Comments:

Testimony in strong support for the protection of O'ahu's drinking water from any further fuel contamination by the antiquated tanks at Red Hill.

Your vote supporting SCR 35 will show solidarity with the Honolulu City Council in protecting our precious primary drinking water resource, as they adopted a similar resolution last week.

SCR-35

Submitted on: 3/19/2019 12:21:10 PM

Testimony for AEN on 3/20/2019 1:15:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Javier Mendez-Alvarez	Individual	Support	No

Comments:

From: larrysmith808@everyactioncustom.com on behalf of [Larry Smith](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 9:26:39 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

Sincerely,
Larry Smith

From: mothra246@everyactioncustom.com on behalf of [Earl Kim](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 9:28:36 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Earl Kim

From: fujikane@everyactioncustom.com on behalf of [Candace Fujikane](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 9:48:41 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I urge the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Candace Fujikane

From: lukerobinson108@everyactioncustom.com on behalf of [Luke Robinson](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 9:56:11 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,

Luke Robinson

Sincerely,
Luke Robinson

From: mminn811@everyactioncustom.com on behalf of [Malama Minn](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 10:23:09 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Malama Minn

From: palmtree7@everyactioncustom.com on behalf of [janice palma-glennie](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 10:28:17 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

Aloha,

Water is life and polluted water from Red Hill isn't just an issue for Oahu residents, but goes beyond the boundaries of county, state and even country as waters mix like the air we breathe.

I strongly support SCR 35 and ask the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

The U.S. Environmental Protection Agency and the Hawai'i Department of Health must support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Mahalo for the opportunity to testify and for taking up this important measure.

Sincerely,
janice palma-glennie

From: deanfukuchi8263@everyactioncustom.com on behalf of [dean fukuchi](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 10:41:09 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a concern citizen of Hawaii, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments for your consideration:

US Environmental Protection Agency (EPA) underground storage tank (UST) research and studies in the 80's concluded that UST will leak and the best way to protect the environment is to install UST with secondary containment to minimize any release into the environment and to perform annual UST tightness testing and installation of monitor devices to maintain the UST integrity at all time.

I do not believe Dept of Logistic Agency (DLA), new owner's of the large red hill fuel farm would be oppose to installing secondary containment, monitoring devices, and or perform annual tightness testing if the Local Government should deemed it necessary and in the best interest of Hawaii. And, I would encourage DLA, EPA, and Dept of Health initiate dialog as regulator and tank owners so that Hawaii Water may be forever protected against spillage and or unauthorized releases into Hawaii's only drinking water and that the Navy lines of communication be terminated between EPA and Dept of Health since Navy actual works for DLA.

The risk of Red Hill fuel tanks contaminating O'ahu's major drinking water source is Very High and the people of Hawaii needs your support to champion the importance of being good stewards and to provide the level of protection to Hawaii's valuable water resource of life is needed. The people of Hawaii is counting on you to make the right decision.

The Red Hill facility has a long history of leaking fuel into the surrounding environment under the poor management of the Navy and it is time the Navy be told what needs to be done to make Hawaii water safe by mandating the facility be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
dean fukuchi

From: csoares48@everyactioncustom.com on behalf of [Colleen Soares](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 12:07:50 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Hawaii's water is under threat, and we cannot be complacent. Given the current bleak national political climate regarding the environment, Hawaii's local government must step up to ensure our safety. The State Department of Health and the EPA have the responsibility of protecting Hawaii's drinking water supplies and the public's health from contamination. We hope they will do their job.

There is growing concern in the Hawaii community that the Navy will take the least costly single wall tank upgrade alternative option. It is appalling that those in control seem blase and complacent about the leaks. Using words like "very unlikely" that contamination will be a problem, as one EPA official did, is worrying and not intelligent. We want and need to trust our government officials, and given pollution history, trust does not come easily.

Our history already shows too many contaminated Superfund Sites on O'ahu, most on military reservations. Often pollution goes undetected, and effective clean up is ignored, perhaps because it is impossible. Included in the National Superfund polluted sites on O'ahu are the Naval Computer & Telecommunications Area, the Pearl Harbor Naval Complex, and Schofield Barracks (U.S. Army). Another Superfund site is Camp Lejeune in North Carolina (see semperialwaysfaithful.com). When you read this sad history, your complacency and trust will be shaken. The Camp Lejeune water contamination disaster in North Carolina is similar to the Red Hill water contamination here on Oahu. Camp Lejeune contamination happened over a long period of time. It was discovered and ignored in the 1980s, after repeated warnings by scientists. Warnings were ignored and there was delay on the part of the military, and cases are still being investigated and litigated today. The contamination has affected 1 million people who had lived at Camp Lejeune and are suffering a variety of deadly diseases. This is important history. Red Hill may soon be on the Superfund list if there is continuing leakage of toxic fuel.

The option of single walled tank upgrades is not sufficient. The fuel should be moved far away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Colleen Soares

From: kirsten.fujitani@everyactioncustom.com on behalf of [kirsten fujitani](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 2:33:42 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
kirsten fujitani

From: cualesmile@everyactioncustom.com on behalf of [Constance Keoahunui Warrington](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 12:19:45 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

Please, I urge the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Please preserve our water. Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Constance Keoahunui Uale Warrington

Sincerely,
Constance Keoahunui Warrington

From: mendezj@everyactioncustom.com on behalf of [Javier Mendez](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 12:20:13 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Javier Mendez

From: mastercasey@everyactioncustom.com on behalf of [Casey Takayama](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 1:27:40 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Casey Takayama

From: noelk@everyactioncustom.com on behalf of [Noel Kent](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 1:52:08 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Noel Kent

From: nihipalim001@everyactioncustom.com on behalf of [Michele Nihipali](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 1:57:23 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Michele Nihipali

From: lholfmes@everyactioncustom.com on behalf of [Dr.L.M.Holmes](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 2:03:07 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I also request the following improvements:

Urging the U.S. EPA and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option. If secondary containment is truly determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Mahalo for the opportunity to testify and for taking up this important measure.

Sincerely,
Dr. L.M. Holmes

From: mlspadaro@everyactioncustom.com on behalf of [Mary Spadaro](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 3:09:17 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

I am writing in support of SCR 35 and to request that you DO NOT APPROVE ANYTING THAT DOES NOT INCLUDE SECONDARY CONTAINMENT OR MOVING THE FUEL STORAGE COMPLETELY away from the aquifer.

For an island state that relies completely on the already diminishing aquifer for our sustenance, it would be irresponsible and short sighted to do anything other than the most prudent protections of ur water supply.

I heard a radio interview of the military's spokesperson on this issue and was very much unconvinced of their claims that our water supply is not in any danger. They do not even nknow where the leaked fuel is located now and whether it could still enter our water supply.

Please put a stop to this nonsense.

Sincerely,
Mary Spadaro

From: annw1946@everyactioncustom.com on behalf of [Ann Wright](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 9:20:26 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Ann Wright

From: alisonbailes@everyactioncustom.com on behalf of [Alison Bhattacharyya](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 4:37:13 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35.

A single wall tank is not legal per EPA regulations that have been in place since 1988 requiring that all underground storage tanks that contain hazardous substances be double-lined.

The Navy has been dragging their feet on repairing this facility for years, and since the 2014 leak has accomplished nothing to prevent a future leak from happening.

The latest data shows the tanks are corroding from the outside as the exterior concrete surrounding the tanks erodes. The Navy always shows glossy pictures of the inside of the tanks, but because the tanks are single-walled tanks, there is no way to repair the outside of the tanks.

The Navy always states how mission critical these tanks are yet they are doing nothing to bring these tanks into compliance with State and Federal Law. They chose the cheapest option (do nothing except regular maintenance) after 5 years of studies and report writing.

I do think the Navy must be forced to choose the best environmental option for Hawaii, as they seem unable to make that choice themselves.

Thank you for the opportunity to testify, and for taking the time to consider this important measure.

Sincerely,
Alison Bhattacharyya

LATE

SCR-35

Submitted on: 3/19/2019 7:40:28 PM

Testimony for AEN on 3/20/2019 1:15:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Danna Olsen	Individual	Support	No

Comments:

Aloha,

I am a concerned resident of Kailua who works in Honolulu for the State of Hawai'i OSHA. I earned my B.S. degree double majoring in Biological Aspects of Conservation and Zoology with a certificate in Environmental Studies from the University of Wisconsin- Madison. My first job after college was doing environmental testing on soils and water. I have a Master of Public Health degree with a focus on environmental health from the UW School of Medicine and Public Health.

Protecting water quality should be a top priority; groundwater aquifers are a primary source of drinking water. Yet history has shown that this is not a top priority to the military in Hawaii. Pearl Harbor is a Superfund site; don't show me an oil spill and tell me to look at the rainbow on the water. I find the level of negligence on the part of, not only the Navy, but also the EPA and Department of Health, charged with protecting environmental and human health, horrifying. I call on the Department of Health to mandate the U.S. Navy to retire the Red Hill fuel tanks and relocate the fuel. The recent findings from the Navy's corrosion study, while preliminary, are frightening. With the tanks corroding much faster than the Navy anticipated, it is unacceptable that the Navy simultaneously propose the least protective upgrades to the Red Hill tanks.

Clearly the tanks are too fragile and outdated to be sufficiently repaired to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in safer tanks where O'ahu's drinking water resources are not threatened. But I'm not suggesting repeating a past mistake. Storing jet fuel in such massive tanks is inherently a terrible idea. Stockpiling this much fuel poses greater risks than benefits. I'd like to point out that a 27,000-gallon leak is not the result of a single employee error; it indicates systemic failure, poor management and inadequate training and emergency response. Forgive me for not having confidence that it won't happen again. These tanks are not typical for a reason; their inspection and maintenance present serious hazards

to the workers tasked to service them. I am left questioning the need for this storage. Under what apocalyptic scenario is there a need for this volume of jet fuel at the ready? The world has changed since these tanks were conceived. In today's world they are a prime target for terrorism. The wars of the future are likely to be over access to clean water. O'ahu is said to have some of the best fresh water on Earth. Please don't poison the well.

The Health Department has the constitutional obligation, and the responsibility as the only local regulating agency in the Administrative Order on Consent, to protect Hawai'i's drinking water resources from contamination. Thank you for the opportunity to provide comments on this extremely important issue.

Mahalo,

Danna Olsen

LATE

SCR-35

Submitted on: 3/19/2019 11:32:08 PM

Testimony for AEN on 3/20/2019 1:15:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Morgan Bonnet	Individual	Support	No

Comments:

Dear Committee Members,

The single wall solution is just not enough. Doesn't the US military have more than enough money to deal with the issue they created at the first place? The cheap single wall bandaid "solution" is putting at risk the health of so many people. I thought the goal of the US military was to protect its citizens. Well, maybe it would be good to start at home. Maybe taking responsibility would show some integrity.

Please support SCR35.

Mahalo,

Morgan Bonnet

Chair of DPH District 25

LATE

SCR-35

Submitted on: 3/20/2019 8:28:41 AM

Testimony for AEN on 3/20/2019 1:15:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
cullen hayashida	Individual	Support	No

Comments:

Dear Chair Gabbard and Chair Nishimura and members of the Committees,

As a resident of Moanalua Gardens and a former President of the Moanalua Gardens Community Association, I am writing in support of SCR35. Much has already been provided to help your committees understand the urgency for the State of Hawaii to protect Hawaii's people for generations to come. The Chamber of Commerce of Hawaii pointed out that the Department of Defense provides an important economic role of Hawaii and an important protective role for the Asia Pacific Theatre. The Defense Department suggests that the fix will be enormous and therefore their suggested solution should be acceptable. If collective community support for this Resolution is not forthcoming, we are faced with the assumption that federal decisions trumps our ability to gift Hawaii's future generations with clean water. Your decision in support of this Resolution will aid our national representatives to continue the fight to protect our people.

Cullen T. Hayashida, Moanalua Gardens Community Resident

LATE

From: namisop35@everyactioncustom.com on behalf of [Namphuong Quach](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 5:13:27 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Namphuong Quach

LATE

From: yappygrl1@everyactioncustom.com on behalf of [Sandra Fujita](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 5:23:25 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Sandra Fujita

LATE

From: cheedyson@everyactioncustom.com on behalf of [Dyson Chee](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 5:36:45 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Dyson Chee

LATE

From: tia.pearson@everyactioncustom.com on behalf of [Tia Pearson](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 8:07:41 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

The navy doesn't care about our health and well being. The military is already poisoning their own. They can't be in charge of decisions when it comes to our health.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Tia Pearson

LATE

From: davidsher@everyactioncustom.com on behalf of [Sherry Pollack](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 8:22:10 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Sherry Pollack

LATE

From: P.LaHaela.Walter@everyactioncustom.com on behalf of [Philipp LaHaela Walter](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 8:55:47 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu, a father and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Philipp LaHaela Walter

LATE

From: fdegia@everyactioncustom.com on behalf of [Frank DeGiacomo](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 9:17:27 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Frank DeGiacomo

LATE

From: pwegesen@everyactioncustom.com on behalf of [Pablo Wegesend](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 9:32:25 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Pablo Wegesend

LATE

From: alyce.dodge@everyactioncustom.com on behalf of [Alyce Dodge](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Tuesday, March 19, 2019 10:37:32 PM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

An ounce of prevention is worth more than a million gallons of "cure" - and actually there is no cure if the fuel leaks into the aquifer.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Alyce Dodge

LATE

From: rfurst808@everyactioncustom.com on behalf of [Richard Furst](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Wednesday, March 20, 2019 2:36:30 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Richard Furst

LATE

From: shannonkona@everyactioncustom.com on behalf of [Shannon Rudolph](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Wednesday, March 20, 2019 6:24:33 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Shannon Rudolph

LATE

From: kkajihir@everyactioncustom.com on behalf of [Kyle Kajihiro](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Wednesday, March 20, 2019 9:56:54 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the relocation of the fuel tanks away from the aquifer. These tanks are WWII relics that should be retired.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The tanks should be retired and the fuel relocated away from our water resources.

If these tanks were being proposed today, we would never allow them to be built over the main aquifer for Honolulu. I urge you to support this resolution and send a strong message to the EPA, the Department of Health, and the Navy that the tanks must be retired.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Kyle Kajihiro

LATE

From: sching35@everyactioncustom.com on behalf of [Sylvia Ching](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Wednesday, March 20, 2019 10:24:33 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Sylvia Ching

LATE

From: nikki2244@everyactioncustom.com on behalf of [Nicole Chatterson](#)
To: [AEN Testimony](#)
Subject: Testimony in support of SCR 35 regarding Red Hill - 3/20 1:15PM in AEN/PSM
Date: Wednesday, March 20, 2019 11:46:08 AM

Dear Chair Gabbard, Chair Nishihara, and members of the AEN/PSM Committee,

As a resident of O'ahu and a water drinker, I strongly support SCR 35, urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to reject the approval of a single wall tank upgrade alternative option and to reject the conclusions presented in the Groundwater Protection and Evaluation Considerations for the Red Hill Bulk Fuel Storage Facility.

I'd also like to offer the following comments:

Urging the U.S. Environmental Protection Agency and the Hawai'i Department of Health to support the secondary containment tank upgrade alternative option, or, if secondary containment is determined not to be feasible, to support the relocation of the fuel tanks away from the aquifer.

Water is life. The Red Hill fuel tanks are the greatest risk to the security of O'ahu's drinking water and therefore the health of Hawai'i's people and its environment. Just 100 feet above our primary aquifer sits as much as 225 million gallons of fuel in 75 year old tanks. These tanks should have never been built here and they were not built to last forever. Today, the tanks are too fragile to be considered safe. According to the Navy's own data, the tanks' steel liners are corroding faster than the Navy expected and are as thin as half of the original steel plates.

The Red Hill facility has a long history of leaking fuel into the surrounding environment and no amount of fuel in our groundwater supply is acceptable. The facility should be immediately upgraded with state-of-the-art secondary containment technology to ensure the tanks never leak again. If they cannot be upgraded to guarantee against leaks, the tanks should be retired and the fuel relocated away from our water resources.

Thank you for the opportunity to testify and for taking up this important measure.

Sincerely,
Nicole Chatterson