

Perry, Thu

From: Denise Anderson <danderson@kahalaresort.com>
Sent: Thursday, October 25, 2018 4:09 PM
To: Perry, Thu
Subject: Red Hill meeting

I depend on Hawai'i's groundwater aquifers as my primary source of drinking water. 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.

I understand that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources are not threatened.

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."

Denise Anderson

Perry, Thu

From: Jessica Adinolfi <jnadinolfi@gmail.com>
Sent: Thursday, October 25, 2018 4:10 PM
To: Perry, Thu
Subject: Red Hill tanks and protection of aquifers

Aloha,

As a concerned resident of Honolulu that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Jessica Adinolfi

Perry, Thu

From: Aya Hirata Kimura <aya.hirata.kimura@gmail.com>
Sent: Thursday, October 25, 2018 4:14 PM
To: Perry, Thu
Subject: Concerns with Red Hill tanks

Aloha,

As a resident of Alewa Heights that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, I call on the Department of Health to mandate the U.S. Navy to retire the Red Hill fuel tanks and relocate the fuel.

As a mother of two children, I am gravely concerned with the possibility of massive contamination of drinking water. In addition, I am concerned about smaller leak that may be contaminating the ecosystem.

It would be too late to do something only after something major happens. In regards to the issue of water, we need to take precautionary approach.

Sincerely,

Aya Kimura

Perry, Thu

From: a i <velocipede@gmail.com>
ent: Thursday, October 25, 2018 4:20 PM
To: Perry, Thu
Cc: Senator Stanley Chang
Subject: Red Hill fuel tanks

Aloha,

As a concerned resident of Hawaii Kai that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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 your attention.

Sincerely,
Aaron Isgar

Perry, Thu

From: Harvey Arkin <harveyarkin9@gmail.com>
ent: Thursday, October 25, 2018 4:41 PM
To: Perry, Thu
Subject: Red Hill fuel tanks

Aloha,

As a concerned resident of Oahu that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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."

Harvey Arkin

Perry, Thu

From: Cathy Ching <grossman_ching@yahoo.com>
Sent: Thursday, October 25, 2018 5:33 PM
To: Perry, Thu
Subject: Protect O'ahu's drinking water

Aloha,

As a concerned resident of Wilhelmina Rise that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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 extremely frightening. With the tanks corroding much faster than the Navy anticipated, it is completely unacceptable that the Navy simultaneously propose the least protective upgrades to the Red Hill tanks.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Sincerely,
Cathy Ching

Perry, Thu

From: Rowena Batungbacal <leilanirowena@yahoo.com>
ent: Thursday, October 25, 2018 5:49 PM
To: Perry, Thu
Subject: Water safety

Aloha,

As a concerned resident of Kailua that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

Water being the source of life must be protected! I want to ensure the safety of my keikis.

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."

Sincerely,
Rowena Batungbacal

Perry, Thu

From: Cheri Vasek <cherivasek@me.com>
Sent: Thursday, October 25, 2018 5:58 PM
To: Perry, Thu
Subject: drinking water safety / Red Hill fuel storage tanks

"Aloha,

As a concerned resident of Oahu that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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 extremely disturbing. 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources will not be threatened.

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. This is an extremely important issue. I urge you to put Oahu's people first, and to protect our water purity.

Thank you for the opportunity to provide comments on this extremely important issue."

Cheri Vasek
cherivasek@me.com

Perry, Thu

From: Tony Fink <fink.tony@gmail.com>
Sent: Thursday, October 25, 2018 6:01 PM
To: Perry, Thu
Subject: Red Hill fuel tanks

As a concerned resident of Oahu that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened. 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.

Tony Fink

Perry, Thu

From: Nanea Lo <naneaclo@gmail.com>
Sent: Thursday, October 25, 2018 6:28 PM
To: Perry, Thu
Subject: Please Help Protect O'ahu's Drinking Water

Hello,

As a concerned resident of Kaimukī that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Me ke aloha 'āina,

Nanea Lo
Phone: (808)454-3504
[Email: naneaclo@gmail.com](mailto:naneaclo@gmail.com)

Some people say that Hawai'i will be a better place when Hawaiians no longer stand in the way of progress. But even these people must know that at this point, this will no longer be Hawai'i. - Jonathan Kay Kamakawiwo'ole Osorio. The Value of Hawai'i

Perry, Thu

From: Jacob Henry <jacobhenry12@gmail.com>
Sent: Thursday, October 25, 2018 8:24 PM
To: Perry, Thu
Subject: Written Testimony: Fuel Tank Advisory Committee

Aloha,

As a concerned resident of Honolulu that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Kind regards,

Jacob Henry

--

Jacob Henry

PhD Researcher & Teaching Assistant
Department of Geography
University of Hawai'i at Mānoa

Perry, Thu

From: Sandra Ann K. Pratt-Aquino, Esq. <kauai@prattlawhi.com>
Sent: Thursday, October 25, 2018 9:01 PM
To: Perry, Thu
Subject: Testimony for Red Hill Fuel Tank

Aloha,

As a concerned resident of O'ahu that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, I call on the Department of Health to mandate the U.S. Navy to retire the Red Hill fuel tanks and relocate the fuel immediately.

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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Immediate action will ensure that our water will be protected for generations to come.

Mahalo,

Sandra Ann Kau'ionālani Pratt-Aquino, Esq.
Attorney
Pratt Law Hawai'i, LLLC
Phone: (808) 393-1948

NOTICES: This message, including attachments, is confidential and may contain information protected by the attorney-client privilege or work product doctrine. If you are not the addressee, any disclosure, copying, distribution, or use of the contents of this message are prohibited. If you have received this email in error, please destroy it and notify me immediately. Any tax advice contained in this message is not intended or written to be used, and cannot be used, for the purpose of (1) avoiding penalties under the internal revenue code or (2) promoting, marketing, or recommending to others any tax-related matter(s) addressed here.

Perry, Thu

From: Dave Kisor <panther_dave@yahoo.com>
ent: Thursday, October 25, 2018 9:55 PM
fo: Perry, Thu
Subject: The Red Hill debacle

Aloha DOH

After having served aboard an older carrier that had to have water replenished at sea from a converted oiler, I at least know one of the effects that jet fuel can have on your physiology. In sickbay on CV-19, I was known as the Cyst. My current Doctor calls the liver a toxic sponge and the petroleum I ingested has been in me since 1975. I'm on Hawai'i Island, but I support those who could be subjected to what I had experienced.

Your neighborhood gas stations have to have their underground tanks changed and they haven't been buried for 75 years. Anybody who believes steel can be buried underground near a sea coast, subject to enormous corrosive forces is delusional. Having served with the World's Largest Nuclear Powered Janitorial Service both active and reserve for 18.5 years, I feel qualified to state that.

When the Antarctic and Greenland ice melts, sea level is slated to rise 220 feet (67 meters). It was said to take about 80 years, but that may have been a rather conservative estimate. It's a slow process at first, but should pick up speed in a few decades. In the interim, there should be a significant enough rise to cause concern, but as usual the powers that be will blissfully ignore the situation until one day when the runways Honolulu International are underwater at high tide. With sea level rise, those buried tanks will be subjected to more corrosive force than ever anticipated. Being near a sea coast, salt water may blend in with the aquifer, making the situation worse.

Mahalo,
Dave Kisor: Veteran; Geographer; retired technician & Cat Servant

||||| >^.< |||||

Cats & computers. Bring them into your home and your life is no longer your own.
Don't get upset when things don't work, but rather be amazed when they do!

Perry, Thu

From: Nicole Sees <nicolesees19@gmail.com>
Sent: Friday, October 26, 2018 4:02 AM
To: Perry, Thu
Subject: Red Hill Fuel Tanks

Aloha,

As a concerned resident of O'ahu that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Sincerely,

Nicole K. Sees

Perry, Thu

From: Virginia Tincher <vatincher@gmail.com>
Sent: Friday, October 26, 2018 5:50 AM
To: Perry, Thu
Subject: Relocation of Red Hill Fuel Tanks

Aloha Thu Perry,

As a concerned resident of Hawaii Kai and Aina Haina who depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Regards,

Virginia Tincher

Perry, Thu

From: barbara george <barbarageorge40@yahoo.com>
Sent: Friday, October 26, 2018 6:06 AM
To: Perry, Thu
Subject: Red Hill tanks

Aloha,

As a resident of Oahu who depends on Hawaii's groundwater aquifers as the primary source of drinking water for myself, my family, and our visitors, I call on the HI Department of Health to mandate the U.S. Navy to completely 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 for the Navy to prefer and propose the least protective option for upgrades to the Red Hill tanks.

It is clear that the tanks are too fragile and outdated to be repaired well enough to ensure protection of our drinking water. The tanks should be retired, and the fuel should be stored in new above-ground tanks in a location that does not threaten O'ahu's drinking water resources.

The Health Department has the constitutional obligation and the responsibility, as the only local regulating agency in the Administrative Order on Consent, to protect Hawaii's drinking water resources from contamination. As a resident and taxpayer, please do the job of protecting the public!

Mahalo for the opportunity to provide comments on this extremely important issue.

Barbara George
Haleiwa, HI

Perry, Thu

From: Waikiki - Hawaii Condo <hawaiiicondo@yahoo.com>
ent: Friday, October 26, 2018 7:39 AM
To: Perry, Thu
Subject: Red Hill Task Force Meeting testimony

Dear Department of Health,

"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 20 old, single-walled, deteriorating Red Hill tanks that store 225 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 an immediate life-threatening risk.

The tanks are more eroded than anyone thought. How can thin, rusty metal possibly sustain the weight and pressure of millions of gallons of jet fuel? They must be emptied and retired urgently.

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

Perry, Thu

From: Nathan Yuen <808nateyuen@gmail.com>
Sent: Friday, October 26, 2018 8:52 AM
To: Perry, Thu
Subject: Red Hill Fuel Storage Tanks -- Testimony for November 1, 2018 Public Hearing

Dear Health Department Administrators:

I am a life-long resident of Oahu that depends on the Pearl Harbor Aquifer as my primary source of drinking water. I am concerned that the underground fuel storage tanks at Red Hill will contaminate our drinking water. The Pearl Harbor Aquifer is an irreplaceable resource of fresh water that supplies almost 40% of Oahu's residents with drinking water.

The Red Hill fuel storage tanks sits 100 feet above the aquifer and the consequences of another leak will be catastrophic to Oahu. The tanks are an attractive target to our enemies in the world. Not only would rupturing the tanks disrupt fuel supplies for the U.S. Navy Pacific Fleet, but destroying the largest drinking water resource would crippled Oahu as a command and control center for decades to come. Fuel storage and drinking water should be decoupled to provide greater national security.

Tests performed on the tanks shows the quarter inch sheet metal (6.35 mm) has corroded to just 2 millimeters in spots. The vintage 1940s tanks are fragile and threaten the drinking water supply for Oahu. The tanks have leaked multiple times with the latest 2014 leak spilling 27,000 gallons into the ground water.

Current Department of Health rules require private operators to upgrade their underground fuel storage tanks to the "tank within a tank" option where a tank is surrounded by a larger tank to contain any leaks and sensors to alert operators of any mishap. For the Navy to reject the "tank within a tank" option and instead choose the cheapest and least protective "tank lining" option is ludicrous given that the Navy's tanks sit just 100 feet above the aquifer and pose the far greater threat.

While the cost to upgrade the Navy's tanks is significant, the threat to Oahu's drinking water warrants the expense. The clean-up technology to remove fuel from the tiny pockets in porous rocks where water is stored in the aquifer does not currently exist and the cost to develop such technology is estimated to be astronomical. On one hand the Navy says the tanks are important to national security but is unwilling to pay the cost to adequately maintain the vintage tanks into the future.

The underground tanks should be decommissioned and new above ground tanks built in another location that does not threaten the primary drinking water supply for Oahu. National security will be enhanced by decoupling fuel storage and drinking water. We will no longer enable our enemies to disrupt the Navy's fuel supply and cripple Oahu as a command and control center in the same attack.

The State of Hawaii Department of Health has an obligation to protect Hawaii's drinking water resources. As the only local regulating agency in the Administrative Order on Consent, the Health Department is the last line of defense in protecting Oahu's drinking water. Thank you for this opportunity to comment on this important matter.

Sincerely,
Nathan Yuen
91-233 Hanapouli Cir #29T
Ewa Beach, HI 96706

Perry, Thu

From: Nathan Yuen <808nateyuen@gmail.com>
Sent: Friday, October 26, 2018 8:52 AM
To: Perry, Thu
Subject: Red Hill Fuel Storage Tanks -- Testimony for November 1, 2018 Public Hearing

Dear Health Department Administrators:

I am a life-long resident of Oahu that depends on the Pearl Harbor Aquifer as my primary source of drinking water. I am concerned that the underground fuel storage tanks at Red Hill will contaminate our drinking water. The Pearl Harbor Aquifer is an irreplaceable resource of fresh water that supplies almost 40% of Oahu's residents with drinking water.

The Red Hill fuel storage tanks sits 100 feet above the aquifer and the consequences of another leak will be catastrophic to Oahu. The tanks are an attractive target to our enemies in the world. Not only would rupturing the tanks disrupt fuel supplies for the U.S. Navy Pacific Fleet, but destroying the largest drinking water resource would crippled Oahu as a command and control center for decades to come. Fuel storage and drinking water should be decoupled to provide greater national security.

Tests performed on the tanks shows the quarter inch sheet metal (6.35 mm) has corroded to just 2 millimeters in spots. The vintage 1940s tanks are fragile and threaten the drinking water supply for Oahu. The tanks have leaked multiple times with the latest 2014 leak spilling 27,000 gallons into the ground water.

Current Department of Health rules require private operators to upgrade their underground fuel storage tanks to the "tank within a tank" option where a tank is surrounded by a larger tank to contain any leaks and sensors to alert operators of any mishap. For the Navy to reject the "tank within a tank" option and instead choose the cheapest and least protective "tank lining" option is ludicrous given that the Navy's tanks sit just 100 feet above the aquifer and pose the far greater threat.

While the cost to upgrade the Navy's tanks is significant, the threat to Oahu's drinking water warrants the expense. The clean-up technology to remove fuel from the tiny pockets in porous rocks where water is stored in the aquifer does not currently exist and the cost to develop such technology is estimated to be astronomical. On one hand the Navy says the tanks are important to national security but is unwilling to pay the cost to adequately maintain the vintage tanks into the future.

The underground tanks should be decommissioned and new above ground tanks built in another location that does not threaten the primary drinking water supply for Oahu. National security will be enhanced by decoupling fuel storage and drinking water. We will no longer enable our enemies to disrupt the Navy's fuel supply and cripple Oahu as a command and control center in the same attack.

The State of Hawaii Department of Health has an obligation to protect Hawaii's drinking water resources. As the only local regulating agency in the Administrative Order on Consent, the Health Department is the last line of defense in protecting Oahu's drinking water. Thank you for this opportunity to comment on this important matter.

Sincerely,
Nathan Yuen
91-233 Hanapouli Cir #29T
Ewa Beach, HI 96706

Perry, Thu

From: Liat Portner <lportner@hawaii.edu>
Sent: Friday, October 26, 2018 8:58 AM
To: Perry, Thu
Subject: Red Hill Fuel Tank Testimony

Aloha,

As a concerned resident of Manoa that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Liat Portner

Perry, Thu

From: Kyle Kajihira <kkajihir@hawaii.edu>
Sent: Friday, October 26, 2018 9:47 AM
To: Perry, Thu
Cc: hawaii.chapter@sierraclub.org; Sen. Les Ihara, Jr.; repnishimoto@capitol.hawaii.gov
Subject: Red Hill tanks must be retired

Aloha kākou

I am a life-long resident of Mō'ili'ili in Honolulu. I cherish the sweet water that our islands have been blessed with.

I am currently a Ph.D. candidate in Geography specializing in the impacts of military activities on the environment and communities in Hawai'i. Prior to entering my graduate program, I worked from 1996 to 2011 with the American Friends Service Committee, where my primary focus was military impacts on the land.

I share this background to indicate that I am not a casual observer of this issue. Since the early 2000s, I have inquired about and been concerned about the hazard posed by the Red Hill tanks. Upon my initial inquiries I was shocked to learn that the tanks have leaked and that the Department of Health did not regulate these tanks according to the same standards governing any neighborhood gas station.

The environmental impacts of military activities in Hawai'i are enormous. My research indicates that the military is responsible for more than a thousand contaminated sites in our islands, with everything from petroleum and fuels, to heavy metals, to carcinogenic chlorinated substances, to unexploded ordnance and explosive constituents, to radioactive Cobalt 60 and Depleted Uranium, to chemical weapons, to pesticides and sewage. However, of all the environmental and health and safety hazards posed by the military, the Red Hill tanks have the potential to be the most catastrophic. And it is also one where we have the opportunity to prevent a future disaster by adopting precautionary measures now, before a major accident occurs.

I call on the Department of Health to mandate the U.S. Navy to decommission the Red Hill fuel tanks. The recent findings from the Navy's corrosion study are horrifying.

The single-walled quarter-inch steel plate that stands between millions of gallons of jet fuel and O'ahu's main drinking water aquifer turns out is much thinner than anyone expected. Despite the Navy's assurances that the tanks are safe, natural processes of corrosion on these antique tanks have disintegrated the steel to a fraction of its original thickness.

In light of these recent findings, it is outrageous that the Navy proposes the least protective upgrades to the Red Hill tanks.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired.

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. Water is life!

Thank you for the opportunity to provide comments on this extremely important issue.

Sincerely,

Perry, Thu

From: Dave Raney <d.raney108@gmail.com>
Sent: Friday, October 26, 2018 9:51 AM
To: Perry, Thu
Subject: Red Hill Fuel Tanks

Aloha,

As a concerned resident of O'ahu concerned over the safety of my drinking water and those of my fellow residents, I request the Department of Health to mandate the U.S. Navy to retire the Red Hill fuel tanks and relocate the fuel.

As the Navy's own corrosion study shows, the tanks are corroding much faster than the Navy anticipated. It is unacceptable that the Navy simultaneously proposes the least protective upgrades to the Red Hill tanks.

The tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above-ground tanks where O'ahu's drinking water resources are not threatened.

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.

Dave Raney

Resident of Honolulu, HI

Perry, Thu

From: Nadine Ortega <roxyprincess521@yahoo.com>
Sent: Friday, October 26, 2018 12:22 PM
To: Perry, Thu
Subject: Regarding Red Hill fuel tanks

Hello,

As a concerned resident of Ewa Beach that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Perry, Thu

From: Nadine Ortega <roxyprincess521@yahoo.com>
Sent: Friday, October 26, 2018 12:24 PM
To: Perry, Thu
Subject: Regarding Red Hill fuel tanks

Hello,

As a concerned resident of Ewa Beach that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Sincerely,
Nadine Ortega

Perry, Thu

From: Joel Fischer <jfischer@hawaii.edu>
Sent: Friday, October 26, 2018 12:58 PM
To: Perry, Thu
Subject: Corroded fuel tanks and the Navy's lack of action

I am VERY concerned about the Navy's lack of action on the **emergency** involving the fuel tanks at Red Hill.

I depend on Hawai'i's groundwater aquifers as my primary source of drinking water; **therefore**, 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 proposeS the least protective upgrades to the Red Hill tanks.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources **are** not threatened.

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.

If our Navy continues to refuse to take action to save our water, then the only other solution is to expel the Navy from the entire area, collect from them the money that is needed to safely restore our water supply, and use the vacated Navy housing to house our homeless. This solution takes care of the two major, emergency situations in Hawai'i nei.

PLEASE TAKE ACTION NOW!

Dr. Joel Fischer

Professor (Ret.)

University of Hawai'i at Manoa

Honolulu, HI

Perry, Thu

From: Yvonne Mahelona <mahelonay@icloud.com>
Sent: Friday, October 26, 2018 1:43 PM
To: Perry, Thu
Subject: Red hill tanks

Hello,

As a concerned resident of Waianae coast that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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,
Yvonne Mahelona
Core member + Organizer - Af3irm Hawai'i
Policy Research Intern - HSC Status of Women
[\(808\) 436-3424](tel:8084363424)
Mahelonay@icloud.com

Sent from my iPhone. Please excuse any typo's.

Perry, Thu

From: jl.mitchell@yahoo.com
Sent: Friday, October 26, 2018 2:16 PM
To: Perry, Thu
Subject: It is unacceptable that the Navy propose the least protective upgrades to the Red Hill tanks

Aloha ka kou,

As a concerned resident of Hawai'i that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

We know that the Navy's Red Hill tanks store up to 250 million gallons of fuel only 100 feet above O'ahu's primary drinking water aquifer and that these 75-year old tanks have already leaked [thousands of gallons of fuel](#) into our groundwater. We recently learned that the [steel lining of the tanks has corroded much more than the Navy anticipated](#). In fact, one of the steel liner samples has corroded to 2 mm thick—only one-third of the original steel liner's thickness.

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 nui loa,

Jan Mitchell
Honolulu

Perry, Thu

From: Derek Ford <djford@hawaii.edu>
Sent: Friday, October 26, 2018 2:42 PM
To: Perry, Thu
Subject: Red Hill Fuel Tanks

Aloha Thu,

I am a Honolulu resident with great concern about the Red Hill fuel tanks, the threat they pose for our health and environment, and the lack of urgency being demonstrated to permanently resolve this man-made problem before it becomes a disaster. I am certain that you are aware of the public concern already, and invoke you to take action in the interest of public health.

Thank you,

 Derek Ford
M.S. Student
Department of Geography and Environment,
University of Hawaii at Manoa, Honolulu HI
djford@hawaii.edu

Perry, Thu

From: Urban Pacific Assistant <urbanpacific@gmail.com>
Sent: Friday, October 26, 2018 2:47 PM
To: Perry, Thu
Subject: Red Hill + Hawaii Drinking Water Testimony

Aloha,

As a concerned resident of Manoa that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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 Nui Loa,

Analiese



Analiese Arle | Executive Assistant
#808-489-4451
www.upacificcommunications.com

Perry, Thu

From: Jaimey Hamilton Faris <jhamiltonfaris@gmail.com>
Sent: Saturday, October 27, 2018 9:10 AM
To: Perry, Thu
Subject: Red Hill Fuel Tanks/Water Reservoir
Attachments: Red Hill Water.doc

Aloha,

As a concerned resident of Makiki watershed on Oahu that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Jaimey Hamilton Faris
Associate Professor
Chair of Art History Area
University of Hawaii at Manoa

hawaii.edu/art;

liquidarchives.com

[Double Take Exhibition: Oct. 21-Dec. 6](#)

Perry, Thu

From: dee green <deegreen15@gmail.com>
Sent: Saturday, October 27, 2018 9:19 AM
To: Perry, Thu
Subject: Red Hill Fuel Tanks Must Be Relocated

Aloha,

I am a concerned resident living in Honolulu and my family depends on Hawai'i's groundwater aquifers as our primary source of drinking water. I am writing this letter to encourage 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Please do the right thing for our family.

Mahalo

Dee Green

Perry, Thu

From: Sara Matsumura <saramats@hawaii.edu>
Sent: Saturday, October 27, 2018 10:58 AM
To: Perry, Thu
Subject: Contaminated Water Supply

Aloha,

As a concerned resident of Kaimuki that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Best regards,
Sara

Perry, Thu

From: Beppie Shapiro <beppie@hawaii.edu>
Sent: Saturday, October 27, 2018 4:59 PM
To: Perry, Thu
Subject: Red Hill Navy Fuel tanks

To: Responsible policy makers, DOH

I live in Kaimuki and my drinking water comes from our groundwater aquifers. I am extremely concerned that the Navy fuel tanks threaten to poison most of Honolulu's drinking water.

The Department of Health must require the U.S. Navy to retire the Red Hill fuel tanks and relocate the fuel. The recent findings from the Navy's corrosion study, are very scary. The tanks are corroding much faster than the Navy anticipated; it is unacceptable that the Navy simultaneously proposes the least protective upgrades to the Red Hill tanks. The tanks should be retired and the fuel should be stored in new above ground tanks to protect our drinking water. This is urgent and needs to happen now!

The Health Department has the legal obligation, and the responsibility as the only local regulating agency in the Administrative Order on Consent, to protect Hawaii's drinking water resources from contamination.

Mahalo for your serious attention.

Beppie Shapiro

4118 Pakolu Pl, 96816

Perry, Thu

From: Alison Bailes <alisonbailes@yahoo.com>
Sent: Thursday, October 25, 2018 5:00 PM
To: Perry, Thu
Subject: Written Testimony for Red Hill

First, As USTs containing hazardous substances, Red Hill must comply with EPA requirements for secondary containment.

This law has been on the book since 1988, and in 1992 Hawaii issued a statute saying all USTs must comply with EPA regulations.

The Navy has had almost 30 years of notice that these tanks must be upgraded and they still haven't met the basic requirements of Federal or State law. Now, they are proposing again that the best TUA is to do nothing except routing maintenance. This is unacceptable and illegal.

Second, the Navy now needs another 4-5years to study how much fuel it really needs to store in these tanks. This length of time to determine how much fuel is necessary to store is nonsense. They should know how much fuel goes in and how much fuel goes out on a daily, monthly and yearly basis. How much of the fuel is non-operational, and is stored as a really neat stockpile? If it is a stockpile, what future emergency is more important than the more immediate urgency of the safety of our own water supply? We can immediately reduce the risk by emptying any tanks that are used for stockpiling fuel.

Third, we can monitor, and test and produce reports, but there is no way to recover from a drastic leak. The damage is irretrievable and complete. There is no cleanup or mitigation that can be done, and the ecological disaster and ruination of our water supply is horrible to think about. We must do all we can to preserve our pristine water. It happened in Flint, Michigan, and it could happen here.

Alison Bhattacharyya
808-224-7948
alisonbailes@yahoo.com

Perry, Thu

From: juliet Pearson <julietjohns@me.com>
Sent: Friday, October 26, 2018 5:05 PM
To: Perry, Thu
Subject: Hawai'i drinking water

Aloha,

As a concerned resident of Kailua that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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, Juliet Pearson

Perry, Thu

From: Lorna Holmes <lholmes@hillsdale.edu>
Sent: Friday, October 26, 2018 6:06 PM
to: Perry, Thu
Subject: re: Red Hill fuel tanks

Aloha Department of Health,

Like all my fellow residents of Oahu, I depend on Hawai'i's groundwater aquifers as my primary source of drinking water. This is why I call on the Department of Health to MANDATE that the U.S. Navy retire the Red Hill fuel tanks and relocate the fuel, IMMEDIATELY, not at some distant point in the future. The recent findings from the Navy's corrosion study 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources are not threatened.

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,
Dr. Lorna Holmes
215 N. King St. #910
Honolulu, HI 96817

Perry, Thu

From: Rebecca Goldschmidt <rmgoldsc@hawaii.edu>
Sent: Saturday, October 27, 2018 6:43 PM
To: Perry, Thu
Subject: Retire Red Hill!

Hello,

As a concerned resident of Palolo Valley that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Thank you,

Rebecca M Goldschmidt

|||||

Perry, Thu

From: Vincent Kanai Dodge <aipohaku@hotmail.com>
Sent: Saturday, October 27, 2018 9:11 PM
To: Perry, Thu
Subject: Navy Red Hill Fuel Tanks Threaten Kane ka Wai Ola!

Aloha to all u good folks at the Dept of Health!

My name is Vince Dodge and my family and I live in Wai'anae and depend on Hawai'i's groundwater aquifers as our primary source of drinking water, on behalf of my family and community 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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. The buck stops w the DOH and we will support u if u get flack for protecting our precious Halawa aquifer and drinking water. U must take protective action now to insure that future generations will have the same gift that we thrive on - beautiful uncontaminated ground water.

Thank you for the opportunity to provide comments on this extremely important issue."

Kane ka wai ola!

Aloha nui,
Vince Kanai Dodge

Sent from my iPad

Perry, Thu

From: Teri Skillman <hautree77@aol.com>
Sent: Saturday, October 27, 2018 9:52 PM
To: Perry, Thu
Cc: senkim@capitolhawaii.gov; repmizuno@Capitol.hawaii.gov
Subject: Red Hill Fuels an environmental threat

Aloha,

As a concerned resident of Kalihi, that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

The Health Department has the constitutional obligation (HRS Title 12 Conservation and Resources), 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. Please require the Navy to retire the Red Hill fuel tanks and transfer the fuel to above ground tanks.

Sincerely,

Dr. Teri Skillman

Perry, Thu

From: Janet Pappas <jpappas60@gmail.com>
Sent: Sunday, October 28, 2018 7:20 AM
To: Perry, Thu
Subject: Red Hill Fuel Tanks

Dear Hawaii Department of Health,

My husband and I are residents of 'Aiea who depend on Hawai'i's groundwater aquifers as our primary source of drinking water. We are very concerned about the status of the fuel tanks on Red Hill, and 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above-ground tanks where O'ahu's drinking water resources are not threatened.

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. We fully expect these fuel tanks to be brought into compliance with current regulations or completely removed from the area.

Thank you for the opportunity to provide comments on this extremely important issue.

Sincerely,

Jan Pappas

Ronald Yasuda

Perry, Thu

From: Ruben Campos, Jr <recampos@hawaii.edu>
Sent: Sunday, October 28, 2018 10:50 AM
To: Perry, Thu
Subject: Drinking water concerns

Aloha,

As a concerned resident of Kaimuki that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resource is not threatened.

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.

Ruben Enrique Campos III

PhD Candidate—Department of Anthropology
Graduate Assistant—Department of Ethnic Studies
University of Hawai'i at Mānoa

Perry, Thu

From: Tina Grandinetti <tinag@hawaii.edu>
ent: Sunday, October 28, 2018 1:36 PM
fo: Perry, Thu
Subject: Written Testimony: Red Hill Fuel Tanks

Aloha,

As a concerned resident of Mililani that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, I call on the Department of Health to mandate the U.S. Navy to retire the Red Hill fuel tanks and relocate the fuel.

I am angry that the tanks have already leaked thousands of gallons of fuel into our groundwater. The Navy receives immense funding every year, and it is unacceptable that this issue has been neglected to the point that the steel liners have corroded to only 2mm thick. Our water is precious, and putting it at risk is irresponsible and immoral.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Thank you,
Tina Grandinetti

Perry, Thu

From: Noel Kent <noelk@hawaii.edu>
ent: Sunday, October 28, 2018 1:36 PM
fo: Perry, Thu
Subject: Red Hill Testimony

Aloha. As a citizen of Hawai'i and Oahu resident for over half a century, I am appalled at the callousness of the Navy in refusing over the years to take the corrosion situation in Red Hill seriously. Recently, when the dangers to our island drinking water has been fully documented, the Navy continues to drag its feet about employing a full-scale program to holistically fix the situation. What is revealed is the Navy's colonial attitude towards Hawai'i, its contempt for our people and future. If the Navy will not take appropriate action, then it is time for the people of Hawai'i to protect themselves and the a'ina by taking nonviolent mass action Noel Kent

Perry, Thu

From: yappygrl1@aol.com
ent: Sunday, October 28, 2018 4:39 PM
ro: Perry, Thu
Subject: Red Hill Fuel Tanks

"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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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."

Perry, Thu

From: davidsher@juno.com
Sent: Sunday, October 28, 2018 9:48 PM
To: Perry, Thu
Subject: Fuel Tank Advisory Committee: Regarding Red Hill

Aloha,

As a concerned citizen from Ahuimanu, I call on the Department of Health to mandate the U.S. Navy retire the Red Hill fuel tanks and relocate the fuel. The Navy's corrosion study findings show the tanks are corroding much faster than the Navy anticipated, with one of the steel liner samples having corroded to only one-third of the original steel liner's thickness, an UNACCEPTABLE 2 mm thickness. Even more egregious is that the Navy is proposing the least protective upgrades to these tanks.

The only responsible thing left to do with these tanks that are too fragile and outdated to be repaired is to retire them immediately. The fuel should be relocated to new above ground tanks where Oahu's drinking water resources are not threatened.

It is the mission of the Department of Health to protect and improve the health and environment of all people in Hawaii. Primary stated goals of the department are to prevent pollution and promote and preserve a clean, healthy, and natural environment, and to protect and enhance air and water quality.

The people of Hawaii are depending on the Department to follow its mission and protect this critical source of drinking water from contamination.

Ola i ka Wai! Water is Life.

Thank you for the opportunity to provide comments on this extremely important issue.

Sherry Pollack

Perry, Thu

From: Christine Tallamy Glazer <ctg@hawaii.edu>
Sent: Monday, October 29, 2018 9:54 AM
To: Perry, Thu
Subject: Red Hill fuel tanks

Aloha,

As a concerned resident of Hawaii Kai that depends on Hawai'i's groundwater aquifers as my primary source of drinking water and a mother of two, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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, Christine Glazer

--

Christine Tallamy Glazer
Soils and Ecosystems Lab Technician
University of Hawai'i at Mānoa
Dept. of Natural Resources & Environmental Management
College of Tropical Agriculture & Human Resources
1910 East-West Road, Sherman 133
Honolulu, HI 96822
Phone: (808) 956-4757

Perry, Thu

From: lynettewilliams@hawaii.rr.com
Sent: Monday, October 29, 2018 11:27 AM
To: Perry, Thu
Subject: Red Hill fuel tanks

Aloha,

I was born and raised in Kalihi, and now reside in Kaneohe. I am frightened by the reported condition of the fuel tanks at Red Hill, and the very real threat they pose to our groundwater aquifers. These aquifers are the primary source of drinking water for our large and growing population, and any contamination would have devastating consequences that would be impossible, or very, very expensive to fix.

The Red Hill tanks are too corroded, fragile, and outdated to be repaired. They need to be retired, and the fuel relocated as soon as possible. Those tanks are a disaster just waiting to happen.

The Department of Health's primary mission should be to protect the health and welfare of the citizens of our state. Please protect our drinking water. Thank you for hearing my comments, and I hope that responsible and swift action is taken on this critical issue.

Mahalo,
Lynette Williams
44-126 Kauinohea Place
Kaneohe, HI 96744

Perry, Thu

From: lynettewilliams@hawaii.rr.com
Sent: Monday, October 29, 2018 11:27 AM
To: Perry, Thu
Subject: Red Hill fuel tanks

Aloha,

I was born and raised in Kalihi, and now reside in Kaneohe. I am frightened by the reported condition of the fuel tanks at Red Hill, and the very real threat they pose to our groundwater aquifers. These aquifers are the primary source of drinking water for our large and growing population, and any contamination would have devastating consequences that would be impossible, or very, very expensive to fix.

The Red Hill tanks are too corroded, fragile, and outdated to be repaired. They need to be retired, and the fuel relocated as soon as possible. Those tanks are a disaster just waiting to happen.

The Department of Health's primary mission should be to protect the health and welfare of the citizens of our state. Please protect our drinking water. Thank you for hearing my comments, and I hope that responsible and swift action is taken on this critical issue.

Mahalo,
Lynette Williams
44-126 Kauinohea Place
Kaneohe, HI 96744



HOUSE OF REPRESENTATIVES

STATE OF HAWAII
STATE CAPITOL
HONOLULU, HAWAII 96813

**Testimony to the Hawaii State Department of Health
Fuel Tank Advisory Committee**

**Thursday, November 1, 2018
9:00 - 11:00 am**

By Representative Cynthia Thielen
50th State House District (Kailua, Kaneohe Bay)

As State House Representative for District 50 (Kailua-Kaneohe Bay), I strongly request that the Department of Health mandates that the U.S. Navy retires the Red Hill fuel tanks and relocates the fuel. Additionally, I ask that the Navy begins securing Federal funding from the United States Congress for this retirement and relocation.

The tanks are irreparable, and the facility needs to be retired to protect our aquifers and ensure that we have safe, clean drinking water for generations to come. The Department of Health has been purposed with the responsibility of protecting our State's drinking water resources and now is the time to act decisively.

Perry, Thu

From: Peter Holland <p.holland@seeqs.org>
Sent: Tuesday, October 30, 2018 6:24 AM
To: Perry, Thu
Subject: Please show heart and courage in the Red Hill matter!

Dear DOH,

As a concerned resident of Honolulu that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Peter Holland
Teacher, father, citizen of Oahu

--

Peter Holland
Art, EQS Instructor, 6th Grade Skills & 8th Grade Defense Mentor
SEEQS: the School for Examining Essential Questions of Sustainability
www.seeqs.org
[\(808\) 677-3377](tel:(808)677-3377)

CONFIDENTIALITY NOTICE: This e-mail message, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

Perry, Thu

From: Soo <csoomy@aol.com>
Sent: Friday, October 26, 2018 3:13 PM
To: Perry, Thu
Subject: My written testimony for Red Hill Meeting

Aloha,

As a concerned resident of Palolo dependent on groundwater aquifers as my primary source of drinking water, I call on the Department of Health to mandate the US Navy to retire the Red Hill fuel tanks and relocate the fuel. Recent findings from the Navy's corrosion study, while preliminary, show the tanks corroding much faster than the Navy anticipated. It is most frightening and totally unacceptable that the Navy simultaneously proposed the least protective upgrades to the Red Hill tanks. Clearly the tanks are too fragile and outdated for repair to ensure safe drinking water. The facility must be retired and fuel stored in new above ground tanks so as not to threaten Oahu's drinking water.

The Health Department of Health has not only the constitutional obligation but, most importantly, the moral responsibility as the only local regulating agency in the Administrative Order on Consent to protect Hawaii's drinking water from contamination.

We cannot live without water, which comes from rain, not rivers, so contamination of our precious resource will incur a debt costly to all.

Thank you, Soo Myung Ferrante

Sent from Mail for Windows 10

Perry, Thu

From: Cheryl B <burgharc@gmail.com>
Sent: Tuesday, October 30, 2018 7:41 AM
To: Perry, Thu
Subject: Testimony re Nov. 1st meeting.

Aloha,

As a concerned resident of O`ahu that depends on Hawai`i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O`ahu's drinking water resources is not threatened. The NAVY and the US Govt. must be held accountable for their negligence without further delay.

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."

C. Burghardt

Perry, Thu

From: Will Caron <willcaronforhawaii@gmail.com>
Sent: Tuesday, October 30, 2018 9:54 AM
To: Perry, Thu
Subject: RE: Red Hill

Aloha,

As a concerned resident of Palolo that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, I call on the Department of Health to mandate the U.S. Navy to retire the Red Hill fuel tanks and relocate the fuel to a safe location that does not threaten the safety and well-being of the people or the land. 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 proactive upgrades to the Red Hill tanks.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources are not threatened.

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.

--
Will Caron
Community Organizer
Palolo Neighborhood Board
8083874920

Perry, Thu

From: YPDA Hawai'i <action@ypdahawaii.org>
Sent: Tuesday, October 30, 2018 9:59 AM
To: Perry, Thu
Subject: RE: Red Hill comments

Aloha,

Young Progressives Demanding Action (YPDA) represents more than 1,000 Hawai'i residents, mostly of Honolulu, who seek to build a Hawai'i that is just, equitable and sustainable. We all depend on Hawai'i's groundwater aquifers to survive here in the islands. If we want to continue to live here, we must protect our vital resources. YPDA therefore demands that the Department of Health mandate the U.S. Navy to retire the Red Hill fuel tanks and relocate the fuel to a safe location that does not threaten to compromise the sustainability of society in Hawai'i.

The recent findings from the Navy's corrosion study, while preliminary, are alarming. The tanks are corroding much faster than the Navy anticipated. It is unacceptable that the Navy simultaneously propose the least proactive upgrades to the Red Hill tanks. The tanks are too fragile and outdated to be repaired to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources are not threatened.

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. YPDA urges the DOH to do the right thing and protect our drinking water and the longevity of our society in Hawai'i. Do it for future generations.

Mahalo,

The Executive Committee

--

YPDA Hawai'i
Energize. Organize. Mobilize.



Perry, Thu

From: Andy Stenz <andystenz@gmail.com>
ent: Tuesday, October 30, 2018 11:35 AM
To: Perry, Thu
Subject: red hill fuel tanks

Aloha,

I live in Honolulu. Not only would my drinking water be potentially contaminated by leaks in the Red Hill fuel tanks but I'm extremely concerned about anyone on Oahu being without clean water because of it. I'm also seriously concerned for more damage done to our beautiful ecosystem downstream, including the ocean and its inhabitants.

The state must require the Navy to retire the fuel tanks and replace them in a place where the groundwater won't be threatened.

It seems the Navy isn't interested in caring for the people who live in the potentially affected areas. There shouldn't be any shortcuts. There shouldn't be any quick fixes. The cost to people's and 'aina is more important than the cost to do it right.

They have the obligation to protect the drinking water above all else. Otherwise, why even bother protecting the nation? We'd have destroyed it from within.

Respectfully submitted,
Andy Stenz
319 Puuanani Place
Honolulu HI 96817

Perry, Thu

From: Benn Okawa <benn.okawa@gmail.com>
Sent: Tuesday, October 30, 2018 1:27 PM
To: Perry, Thu
Cc: pallarino.bob@epa.gov; Kwan, Roxanne S
Subject: Re: reminder - Nov 1, 2018 Fuel Tank Advisory Committee meeting

Thank you for keeping us updated on Red Hill developments. I will be unable to attend this meeting due to other commitments. However, I do wonder if any of the studies/ reports about Red Hill address contingency plans for a major leak that actually contaminates a significant portion of Honolulu's drinking water. That is, is there enough reserve capacity in the BWS system, and if not, and decontamination equipment is required where would it be located, how long would it take to install, and who would pay for it? The risk, no matter how high or low, requires a plan B since the potential consequences can be large. Twenty year timelines are fine for evading responsibility but lack of adequate water could have major impacts on Honolulu's citizens and its tourist economy.

Mahalo
Benn Okawa

On Mon, Oct 22, 2018 at 10:57 AM Perry, Thu <Thu.Perry@doh.hawaii.gov> wrote:

Aloha,

This is a reminder that the Fuel Tank Advisory Committee will be held next week Thursday on **November 1, 2018**. The agenda has been attached. The following language has been added to include members of the public who may attend and would need special accommodations.

"If you need an auxiliary aid or accommodation due to a disability, contact Thu Perry by October 25, 2018 at 586-4226 or e-mail thu.perry@doh.hawaii.gov so arrangements can be made. If you reply after the date given, we cannot assure that your request will be fulfilled."

Please let me know if you have any questions about this committee meeting.

Thank you,

Thu "2" Perry
Public Participation Coordinator
Underground Storage Tank Section

Solid & Hazardous Waste Branch

Hawaii Department of Health

2827 Waimano Home Road, #100
Pearl City, HI 96782
(808) 586-4226

Perry, Thu

From: Kawehi Kina <kinak@hawaii.edu>
Sent: Monday, October 29, 2018 4:08 PM
To: Perry, Thu
Subject: For the Fuel Tank Advisory Committee

Aloha mai,

As a concerned resident of Waihe'e on the island of Maui that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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,
Kawehi Kina

Perry, Thu

From: Rose Aranita <rra8665@yahoo.com>
Sent: Tuesday, October 30, 2018 4:48 PM
To: Perry, Thu
Subject: Keep our drinking water safe

I strongly recommend that their deteriorating fuel tanks above my community 's drinking water be removed to protect this important and vital source! The federal defense budget is bloated so there is no reason that these fuel tanks cannot be moved. The lives of our people are more valuable than these old tanks that have served their purpose for many years. The pollution will be long-standing as more leaks occur! I live in Moanalua Valley near Red Hill so am doubly aware of this precious resource emanating from our valleys nearby the hill! Put the people who rely on this water first before military need for fuel!
Sister Rosita Aranita, CSJ

Sent from my iPad

Perry, Thu

From: Tanielle Tokoro <ttokoro@hawaii.edu>
ent: Tuesday, October 30, 2018 7:51 PM
fo: Perry, Thu
Subject: Red Hill Testimony

Aloha,

As a concerned resident of Kahalu, u that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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,

Tanielle Tokoro

Perry, Thu

From: Philipp LaHaela Walter <philipp.lahaela.walter@posteo.de>
Sent: Monday, October 29, 2018 9:04 PM
To: Perry, Thu
Subject: Red Hill Fuel Storage Facility

Aloha Thu,

As a concerned resident of the McCully/Moiliili neighborhood that depends on Hawai'i's groundwater aquifers as the primary source of drinking water for me, my wife and our 4 year old daughter, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Sincerely,

Philipp LaHaela Walter

Perry, Thu

From: Jillian Kamakaila Paulino <jillianpaulino@yahoo.com>
Sent: Tuesday, October 30, 2018 9:34 PM
To: Perry, Thu
Subject: Testimony to Stop the American Military from Leaking Water into Kapūkakī (Red Hill)

Aloha,

As a Kānaka Maoli whose culture, spirituality, and well-being depends on Hawai'i's aquifers, I call on the Department of Health to mandate the U.S. Navy to retire the fuel tanks at Kapūkakī (Red Hill) 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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."

October 29, 2018

Aloha Hawai'i Dept of Health Fuel Tank Advisory Committee Members,

I am very concerned about the recent reports in the news from the Navy regarding the Red Hill fuel tanks. The situation sounds critical and a recipe for disaster. The Navy's plan to use the least protective upgrades to the Red Hill tanks to prevent leakage is unacceptable, negligent, and frankly frightening. There is so much at risk here. Why does the Navy not take this situation seriously? Retire these tanks immediately. Move the fuel to above ground tanks where drinking water resources aren't threatened.

This is a critically dire situation—the purity of an aquifer, the source of our drinking water, is at high risk. **These tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water.** I read that the steel liners of the tanks are corroding much faster than the Navy anticipated and one liner sampled has corroded to 2 mm thick. 2mm of rapidly corroding steel between the purity of our drinking water and thousands of gallons of fuel is insane.

As a concerned resident of Hawaii who depends on Hawai'i's groundwater aquifers as my primary source of drinking water, I call on the Department of Health to mandate the U.S. Navy to retire the Red Hill tanks and relocate the fuel. The Health Department has the constitutional obligation, and the responsibility as the only local regulating agency in the Administrative Order of Consent, to protect Hawai'i's drinking water resources from contamination. Thank you for considering my comments on this extremely important issue.

Sincerely,

Beth Anderson

Board member, Hui Kawainui Kailua Ka Wai Ola, dedicated to caring for and protecting the watershed of the Kailua ahupua'a

Jo Kamae Byrne

P. O. Box 2390

Honolulu, HI 96804

Fuel Tank Advisory Committee
Thursday, November 1, 2018
9:00 - 11:00 am
Hawai'i State Capitol, Room 016
Honolulu, Hawaii

Aloha Members of the Committee:

Thank you for this opportunity to testify. My name is Jo Kamae Byrne and I am an ordinary citizen and a lifelong resident of the island of Oahu. I am concerned about the safety of Oahu's groundwater aquifer and the potential contamination threat from aging and leaking fuel tanks on Red Hill. I submit the following testimony urging the government agencies responsible to take prompt action to protect our fresh water resource.

Given the age and alarming deterioration of the fuel tanks at Red Hill as reported in the Navy's preliminary corrosion study, the most definitive resolution would be to retire the Red Hill tanks and relocate the fuel where it would not be a threat to our groundwater. There are many elements to consider in dealing with this challenge but the primary questions that arise for me are these:

According to Dept. of Health recent statistics, there are approximated 950,000 residents on the island of Oahu, not counting all the military and visitors on island at any given time.

What would the consequences be if we don't get this right?

Would a major contamination event even be correctible? How much would it cost? How long would it take? What would we do in the meantime?

Some would argue we are not at a critical stage for a catastrophe, but the Navy's own findings report corrosion rates faster than predicted. What else are we unaware of? Given the potential catastrophic impact of a failure, should we not be more proactive rather than reactive?

Every single person on the island of Oahu would become a victim of this potential catastrophe. Are we not worth the investment to correct his serious threat sooner rather than later? I urge all agencies involved with this situation to work together toward a comprehensive, efficient and immediate action plan.

Thank you for the opportunity to testify.

Perry, Thu

From: Dorothy Bach <dbach@chaminade.edu>
Sent: Wednesday, October 31, 2018 11:26 AM
To: Perry, Thu
Subject: Testimony on the Red Hill Fuel Tanks

"Aloha,

As a concerned resident of Oahu that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

Kahoolawe had a 500 mega-ton bomb dropped on the island it punctured the islands fresh water lens. This atomic bomb simulation resulted in the island of Kahoolawe not having a water source.

The example of Kahoolawe is an extreme example, perhaps, though it demonstrates the fragile aquifer system each island depends on for its water supply. Any compromise of fuel escaping into the water would result in multiple legal pursuits against the U.S. Navy and leave the Oahu aquifer compromised for decades.

Since I was in the U. S. Marine Corp I know some of the military practices for bombing ranges and deployment readiness maneuvers. I gave flight clearance to jets using Kahoolawe for bombing practice and I participated in deployments on Oahu where war games were effected.

The U.S. military does not always clean up after itself and has often done what was most expedient which was not necessarily environmentally friendly. The Hawaii Health Department has a responsibility and an obligation to the people of Oahu to close the Red Hill fuel depot. Fuel tanks above ground may be far safer and easier to identify any issues prior to a catastrophic event or fuel leak.

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."

Dorothy Bach, Ph.D., LMHC, NCC
Internship Director Mental Health Counseling
Adjunct Professor
808.739.8557
dbach@chaminade.edu

Perry, Thu

From: Adam Po'olua <pooloa@hawaii.edu>
Sent: Wednesday, October 31, 2018 11:45 AM
To: Perry, Thu
Subject: Red Hill Water

Aloha and Hello!

As a concerned resident of Kalauao (Waimalu near Pearlridge) that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

Also, i am concerned because, i have a friend who has a lease on Kamehameha-land on Sumida Farms (the watercress farm). He has an honest occupation, however we feel recently that what has happened (is happening) to the ground is not honest nor is it ethical.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Concerned Community Member,

Adam Po'olua

Perry, Thu

From: Charessa Fryc <charessa@hawaii.edu>
Sent: Wednesday, October 31, 2018 12:16 PM
To: Perry, Thu
Subject: RED HILL TESTOMONY

Aloha,

My name is Charessa Fryc and I am 22 years old. I worry that within in 10 years out drinking water will be contaminated by the Navys and the states inaction in fixing up or shutting down the Redhill fuel storage tanks wjich are threatening life on Oahu. In 10 years, if we dont have drinking water our residents wont be able to live, and many will have to move away from their beloved home because of this disaster. As a concerned resident of Kalihi that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, It is the duty of the Department of Health and I call of them to mandate the Navy and their pollution. This is Oahu, and we need our Aquifers to ensure clean drinking water for our keiki, and to preserve for future generations. It's baffling to me how it could be allowed for so long. We need more than a layer of paint, **YOU NEED TO FIX IT UP OR SHUT IT DOWN.** And by fix it up, we mean much more than a single layer of paint. You need to move it somewhere else, not on top of one of the biggest aquifers this state has. Its dangerous to the health of our residents and we should think of our residents **FIRST** before the Navy's needs.

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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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 for reading this and hope you take it into consideration,

Charrassa Fryc

Perry, Thu

From: Chuck Burrows <chuckkb@gmail.com>
Sent: Wednesday, October 31, 2018 12:45 PM
To: Perry, Thu
Subject: U.S. Naval Fossil Fuel Tanks at Red Hill Moanalua

Aloha to the Department of Health Advisory Committee,

As a former environmental science teacher at the Kamehameha Schools and a Hawaiian cultural practitioner and chair of the Kawainui-Kailua Ka Wai Ola working group to protect, conserve and restore the 'living waters" in the Kailua Ahupua'a, I demand the Department of Health to mandate the U.S. Navy to retire the Red Hill fossil fuel tanks and to construct leak-proof stainless steel tanks for its military needs at a different location and above ground with all of the security that it needs for these tanks. As a result of its recent research the tanks are too old, fragile and corroding at a much faster rate than the Navy anticipated that will occur at any moment to contaminate central Oahu's water drinking supply. It is a shame that the Navy has taken the cheapest remedy to upgrade the tanks when the U.S. military defense budget is the highest in this nation and throughout the world.

The Health Department has the constitutional obligation and the responsibility as the only local regulatory agency in the Administrative order of consent, to protect Hawai'i's drinking water resources from contamination and the people of Hawai'i'i for generations to come. Please step up to the plate, do your job and protect all of us including the naval personal and its residents.

Mahalo nui loa,
Dr. Chuck Burrows, Chair of Hui Kawainui-Kailua Ka Wai Ola

Perry, Thu

From: Sandy Jansen <naupaka@juno.com>
Sent: Wednesday, October 31, 2018 4:29 PM
To: Perry, Thu
Subject: Shut down Red Hill Fuel tanks

Aloha,

We have some of the best drinking water in the world, right here in the islands. It takes about 25 years for rain to filter through the volcanic substrate into our aquifers. For there to be 20 huge fuel tanks, each holding 12.5 million gallons of fuel, sitting right above these aquifers seems like bad planning to me. Now hearing that these fuel tanks are deteriorating to a point were they could possibly spring a leak is terrifying to me. We should be doing everything in our power to prevent that from happening.

While fresh water has been turned into undrinkable water in many parts if the United States, we now have the opportunity to prevent this from happening here BEFORE such a disaster happens. It sounds to me like the only way to 100% prevent this disaster from happening here is to have the fuel from these tanks removed. That's why I agree with Sierra Clubs #shutitdown This threat on our drinking water is not acceptable.

As a concerned resident of Honolulu that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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,

Sandy Jansen

Perry, Thu

From: Cecilia Lim <cecilia.lim@gmail.com>
Sent: Wednesday, October 31, 2018 5:32 PM
To: Perry, Thu
Subject: Testimony against the Red Hill fuel tanks

Aloha,

As a concerned resident of the United States, with indigenous Pacific Islander heritage that traces back to the Philippines and an understanding of the interconnectedness of all Pacific Island struggle, and in deep relation with the native Hawai'ian people and all immigrants to these islands, that depend on Hawai'i's groundwater aquifers as their primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

With sincerity and respect,

Cecilia Lim

Perry, Thu

From: Laurel Mei-Singh <meisingh@hawaii.edu>
Sent: Wednesday, October 31, 2018 6:22 PM
To: Perry, Thu
Subject: Written testimony for Red Hill meeting tomorrow

Aloha Mai Kākou,

My name is Laurel Mei-Singh and I am an Assistant Professor of Ethnic Studies at University of Hawai‘i Mānoa, and a member of the College of Social Sciences’ Sustainability initiative.

I was born and raised near Diamond Head and live there to this day. The water from this aquifer provided life to me and still sustains me. I depend on Hawai‘i’s groundwater aquifers; they’re a life source for the people of O‘ahu, not just a resource.

The Star-Advertiser reported in September that the Navy informed regulators that it would recommend “minimal changes to the status quo” despite the 27,000 gallon leak of jet fuel from Tank 5 at Red Hill Bulk Fuel Storage Facility. As we know, the tanks are significantly decaying, and will continue to corrode. They are located 100 feet above the groundwater aquifer, which provides water to residents from Moanalua to Hawaii Kai.

I call on the Department of Health to require the US Navy to retire the Red Hill fuel tanks and relocate the fuel.

Storage in above ground tanks where O‘ahu’s drinking water is not threatened would ensure the health and safety of all residents of O‘ahu.

The Star-Advertiser estimates that this will cost between \$4 billion and \$10 billion. This is a significant cost to pay. Yet according to the Congressional Budget Office, about 17% of the US’s \$4 trillion federal budget goes to the US military. The US military budget for 2019 is roughly \$716 billion, higher than any time other than 2011. The US spends more on their military than the next 11 countries combined. This is to the detriment of life-sustaining programs like education and health care. It is the military’s responsibility to use their resources to protect the well-being of O‘ahu civilians and servicemembers alike.

This issue at Red Hill is not an isolated incident for the US military. Just last week, The Air Force Times reported that chemicals associated with firefighting foam (PFAs) have contaminated groundwater on and near the Cannon Air Force Base in eastern New Mexico. This same chemical has been found at Wurtsmith Air Force Base in Michigan and New Jersey’s McGuire-Dix-Lakehurst base.

These examples show that despite their massive monetary resources, the military engages in destructive environmental practices across the US. They have evaded responsibility for the harm that they’ve caused, to the detriment of our lives and for future generations.

The Health Department has the obligation and responsibility as the only local regulating agency in the Administrative Order on Consent, to protect Hawai‘i’s drinking water resources from contamination. Mahalo nui loa.

Laurel Mei-Singh
Assistant Professor, Ethnic Studies
University of Hawai'i Mānoa

Perry, Thu

From: Ciera Lasconia <cierak21@hawaii.edu>
Sent: Wednesday, October 31, 2018 8:11 PM
To: Perry, Thu
Subject: Red Hill Fuel Tank Testimone

Aloha,

As a concerned resident of Kāneʻohe that depends on Hawaiʻi's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure the protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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

Sincerely,

Ciera Ihilani Lasconia
Pronouns She/Her/Hers
University of Hawaiʻi Mānoa
cierak21@hawaii.edu

Perry, Thu

From: Danna Olsen <dannajolsen@gmail.com>
Sent: Wednesday, October 31, 2018 8:34 PM
To: Perry, Thu
Subject: Red Hill Testimony- Danna Olsen
Attachments: Red Hill.pdf

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

Perry, Thu

From: Susie S. Hsieh <susiehsieh888@gmail.com>
ent: Wednesday, October 31, 2018 8:39 PM
fo: Perry, Thu
Cc: Susiehsieh888
Subject: Written Testimony for Red Hill Meeting (Also can be orally presented on Nov. 1, 2018)

Dear Sir/Madam, Aloha!

Having moved from hillbilly West Virginia, I understand quite well how dangerous it is to have oil or any other toxic chemicals leak into ground water.

Because of the leak in northern part of West Virginia, which contaminated drinking water, over 50% of the residents near industrial toxic sites eventually developed cancer or other serious illness.

It is a sin for government or any organization to do such harm to people. Hope and pray the current situation on Red Hill can be solved.

Sincerely yours,

Shu Yuan Hsieh, LL.B., Ph.D.
511 Hahaione St., #6E
Honolulu, Hawaii 96825

Perry, Thu

From: Katarina Ruiz <katarinavictoria.ruiz@gmail.com>
Sent: Wednesday, October 31, 2018 10:52 PM
To: Perry, Thu
Subject: Urgent action needed on Red Hill

Aloha,

As a concerned resident of Manoa that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Katarina Ruiz

Perry, Thu

From: Linda Wong <leiahi@me.com>
Sent: Wednesday, October 31, 2018 11:55 PM
To: Perry, Thu
Cc: Linda Wong; Jodi Malinoski
Subject: Written testimony for Red Hill Hearing 11/1/2018
Attachments: RedHillResoSIGNED.pdf

Importance: High

To Whom it May Concern:

I am submitting this Resolution for the Diamond Head, Kapahulu St. Louis Height Neighborhood Board #5. The Navy and Sierra Club presented to our Neighborhood Board re the 20 fuel storage tanks over our drinking water aquifer and the possible upgrade alternatives.

We understand that the Navy's Red Hill tanks store million gallons of fuel only 100 feet above O'ahu's primary drinking water aquifer and that these 75-year old tanks have already leaked thousands of gallons of fuel into our groundwater.

Sincerely,
Linda Wong
Member; Diamond Head, Kapahulu St. Louis Height Neighborhood Board #5

Perry, Thu

From: Linda Wong <leiahi@me.com>
ent: Thursday, November 1, 2018 12:32 AM
To: Perry, Thu
Cc: Linda Wong; Jodi Malinoski
Subject: Red Hill Written Testimony 11/1/2018

Importance: High

Dear Senate Advisory Committee,

I stopped drinking tap water as soon as I found out about the Red Hill fuel storage tanks and their leaks. I am a longtime member of DH Neighborhood Board but I am not testifying for them in this particular testimony. I am amazed at the Navy's selection of the least effective remediation for their fuel leaks into our aquifer for drinking water. I talked personally to some of the presenters and still was not happy with the answers. I received answers such as the Navy can't afford better solutions. This is our Health and Safety Issue. There should be no monetary limit on the safety of our drinking water. Flint, Michigan comes to mind.

I'm very proud of the Board of Water Supply who has stood up for the righteous cause of safe drinking water for our public. The Sierra Club has found that the fuel leak problem is worst than the Navy first surmised.

As a concerned resident of Diamond Head that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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."

Thank You for this Opportunity to Testify,

Linda Wong
Diamond Head

Perry, Thu

From: Jun Shin <junshinbusiness729@gmail.com>
Sent: Thursday, November 1, 2018 12:33 AM
To: Perry, Thu
Subject: Red Hill Testimony For Nov 1st Meeting

Aloha,

My name is Jun Shin. I am a Freshman at the University of Hawai'i at Mānoa, currently serving as the Environmental Justice Action Committee Chair for the Young Progressives Demanding Action (YPDA). I also serve as the Vice Chair of the Sierra Student Coalition at the University of Hawai'i at Mānoa.

I am testifying today because as a young person joining in the fight for a fair, just, and sustainable future for Hawai'i, I have come to learn and understand how important our groundwater aquifers are. They literally give us life, hence the saying Water is Life. On a more personal level, for my future, my kids future, and their kids future's here in Hawai'i, we need to insure that resources like water remain both available and accessible to our needs as they are to us today.

Alongside environmental concerns, there are economic concerns as well. Much of Hawai'i's economy depends on tourism. Waikīkī, the hub of tourism here on O'ahu will be affected by a contamination of our groundwater aquifers, as the many visitors to our island also depend on that water, alongside us local residents, while they stay here for vacation.

That being said, joining together with other members of the community, I want to call on the Department of Health to mandate that the U.S. Navy retire the Red Hill fuel tanks. Please relocate the fuel away from where it could damage our water, and hugely impact an island society like Hawai'i. What I am very frustrated about is that the Navy gets it and has in an indirect way, reached an understanding with the environmentalist community. Their own preliminary corrosion study shows that the Red Hill fuel tanks are corroding faster than the Navy thought that it would. Something that the environmentalist community understands and is very concerned about. However, time and time again, the United States Navy ignores its own study and is instead pushing for the least protective upgrades for Red Hill. The dedicated men and women who serve in the Navy, and are stationed here along with their families, it is their drinking water that is at stake as well. This is very much multifaceted issue and many different communities are going to be affected by this.

Dating back to the 1940s, these tanks are both too fragile and outdated. We can no longer risk keeping it in such close proximity to Oahu's drink water resources. It's time for the facility to be retired and the fuel stored in new above ground tanks in a different location as there is at this point, no real way to fix up these tanks so that our water will not be affected.

The Constitution of the State of Hawai'i states in Article 11, Section 7 that, "The State has an obligation to protect, control and regulate the use of Hawai'i's water resources for the benefit of its people". With this constitutional obligation, the Department of Health as the only local regulating agency in the Administrative Order on Consent has the responsibility to protect our drinking water resources from contamination. Thank you for the opportunity to provide comments, there is a lot at stake here with this issue. Please, fight for the future.

Mahalo,
Jun Shin

YPDA Environmental Justice Action Committee Chair
Phone: (808)-255-6663

--
Jun Shin

YPDA Environmental Justice Action Committee Chair

Phone: (808)-255-6663

Perry, Thu

From: Terri Keko'olani <napua4u@yahoo.com>
Sent: Thursday, November 1, 2018 9:47 AM
To: Perry, Thu
Subject: Red Hill Fuel Tanks

Dear Sir,

As a concerned resident of Oahu that depends on Hawai'i's groundwater aquifers as my primary source of drinking water, 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.

It is clear that the tanks are too fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

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.

Respectfully,

Terri Kekoolani-Raymond

Kaimuki, Oahu

Sent from my iPad

Perry, Thu

From: Destiny Brown <dbrown31@my.hpu.edu>
Sent: Thursday, November 1, 2018 9:59 AM
To: Perry, Thu
Subject: Red Hill

Aloha,

This is a call to action for the Department of Health to demand and enforce that the US Navy remove and relocate the Red Hill fuel tanks. The preliminary findings showed that the tanks are corroding much faster than what was originally projected.

The accelerated corrosion could be a potential threat to our drinking water and it is shameful that the US Navy has continuously purposed the least protective upgrades. These tanks are too fragile and need to be removed from Red Hill. Fuel should be stored in above ground tanks as not to threaten the quality of the community's drinking water.

Water provides life to all of us and its purity is essential to sustain us. It is the responsibility of the States Department of Health, as the only local regulating agency in the Administrative Order on Consent, to protect Hawai'i's drinking water resources from contamination.

That is why I am reaching out to you today and calling on the department to stand up and take action. Mandate that the US Navy retire the Red Hill fuel tanks and relocate the fuel to above ground tanks that do not threaten the quality of our water.

Thank you for your time and attention.

Destiny Brown

Hawaii Pacific University

Young Progressives Demanding Action

Constituent Senate District 13

Perry, Thu

From: Melanie Lau <melanie.lau@hawaiiintel.net>
Sent: Thursday, November 1, 2018 10:18 AM
To: Perry, Thu
Subject: fuel tank advisory committee

Hi Thu,
you need to have the Navy have a time limit of 15 mins to make their presentation.
totally unfair to the rest of the committee members and the public to waste so much time grandstanding.
thank you,
Melanie Lau

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

Perry, Thu

From: Lei Kihoi Dunne <ponoau@me.com>
Sent: Thursday, November 1, 2018 2:18 PM
To: Perry, Thu
Subject: Testimony: Nov. 1, 2018

Aloha,

I am a resident of Honolulu, and I depend on Hawaii's groundwater aquifers as my primary source of drinking water. I have been a Hawaii taxpayer for over 50 years.

It is important that the Department of Health 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.

The Tanks are fragile and outdated to be repaired enough to ensure protection of our drinking water. The facility should be retired and the fuel should be stored in new above ground tanks where O'ahu's drinking water resources is not threatened.

The Health Department has the constitutional obligation under the Clean Water Act, and the Hawaii Constitution as well as the responsibility as the only local regulating agency in the Administrative Order on Consent, to protect Hawaii's drinking water resources from contamination.

I look forward to your reply and your immediate action.

Aloha,

Lei Kihoi, Esq.
1015 Wilder
Hon. Hawaii 96822

KIM COCO IWAMOTO, ESQ.

PO Box 235191
Honolulu, HI 96823
kimcoco@kimcoco.com

Fuel Tank Advisory Committee
Thursday, November 1, 2018, 9:00 – 11:00 am
Hawai'i State Capitol, Room 016

PUBLIC COMMENT: The 1977 Geneva Convention Requires the Immediate Decommissioning of the Red Hill Fuel Tanks

Dear Advisory Committee:

Many of your Committee Members are already familiar with the military strategy commonly known as "Scorched Earth." The general goal is to destroy anything that might be useful to the enemy. 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 "Scorched Earth" policies and plans were written. The 20 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 advise the US Navy to comply with the Geneva Convention, completely abandon the 1943 "Scorched Earth" plans, immediately de-weaponize Red Hill and remove the rip cord that will destroy our water supply.

Sincerely,

A handwritten signature in black ink, appearing to read "Phil Cox". The signature is written in a cursive style and is followed by a horizontal line extending to the right.