HB2600 Submitted on: 2/5/2014 Testimony for HLT on Feb 7, 2014 08:45AM in Conference Room 329

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

Comments:

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morikawa2-Joanna

From:	mailinglist@capitol.hawaii.gov
Sent:	Wednesday, February 05, 2014 7:25 PM
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Cc:	Mauibrad@hotmail.com
Subject:	*Submitted testimony for HB2600 on Feb 7, 2014 08:45AM*

HB2600

Submitted on: 2/5/2014 Testimony for HLT on Feb 7, 2014 08:45AM in Conference Room 329

Submitted By	Organization	Testifier Position	Present at Hearing
Brad Parsons	Individual	Support	No

Comments:

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NEIL ABERCROMBIE GOVERNOR OF HAWAII



GARY L. GILL ACTING DIRECTOR OF HEALTH

STATE OF HAWAII DEPARTMENT OF HEALTH P.O. Box 3378 HONOLULU, HAWAII 96801-3378

In reply, please refer to: File:

COMMITTEE ON HEALTH

H.B. 2600, RELATING TO RADIATION LEVELS

Testimony of Gary L. Gill Acting Director of Health

> February 07, 2014 8:45 AM



Department's Position: The Department appreciates the intent of this bill, but it respectfully opposes
 the measure. This bill is unnecessary because the Department has already implemented additional

3 radiation monitoring since March 11, 2011.

4 Fiscal Implications: Implementation of this measure may require additional funding for sampling and

5 laboratory analysis at a cost of approximately \$1000.00 per sample.

6 **Purpose and Justification:** The bill proposes that the Department of Health implement a radiation

7 monitoring pilot project that measures and monitors radiation levels in food, dairy products, rainwater,

8 aquifers and drainage ditches in response to the March 11, 2011 Fukushima nuclear disaster. It also

9 proposes that the Department post periodic reports of those radiation levels and their significance on its
10 website.

The Department has already established enhanced radiation surveillance around the islands in response to the Fukushima nuclear event. This includes continuous air sampling through the U.S. Environmental Protection Agency's (EPA) Radnet system located in Honolulu; monthly (or as rain capture permits) precipitation sampling; quarterly milk and drinking water sampling; quarterly shoreline surveillance on the Islands of Hawaii, Kauai, Maui and Oahu; and surveying of Japan Tsunami Marine *Promoting Lifelong Health & Wellness* Debris (JTMD), as needed. Trace amounts of radioactive material were detected in air, milk and precipitation samples for a few weeks following the Fukushima event, but were far below levels of public health concern. Levels have long since returned to normal values associated with background radiation. Reports of findings and advisories have been periodically posted to the Department's website since March 14, 2011, along with links for additional resources from various agencies.

With regard to food and seafood safety, the U.S. Food & Drug Administration (FDA) has no 6 7 evidence that radionuclides from the Fukushima incident are present in the U.S. food supply at levels that would pose a public health concern. This is true for both FDA-regulated food products imported 8 from Japan and U.S. domestic food products, including seafood caught off the coast of the United States. 9 10 Consequently, FDA is not advising consumers to alter their consumption of specific foods imported from Japan or domestically produced foods, including seafood. FDA continues to closely monitor the 11 situation at and around the Fukushima Dai-ichi facility, as it has since the start of the incident and will 12 coordinate with other Federal and state agencies as necessary, standing ready to take action if needed, to 13 ensure the safety of food in the U.S. marketplace. 14

- Given the extent of monitoring, sampling and surveillance being performed by various entities,
 the Department believes this measure is unnecessary and should be deferred.
- 17 Thank you for the opportunity to testify on this measure.

Witt Counseling Service Hilo Lagoon Center 101 Aupuni St. #156 Hilo, Hawaii 96720 808-928-8138



DEAR COMMITTEE MEMBERS:

FUKUSHIMA IS NOT OVER.....

The nuclear event at Fukushima, Japan on March 3, 2011 continues to be an ongoing event. Everyday there is over 300 tons of water pouring off the reactors that have been used to cool the rods within those reactors. This radiation-polluted water as well as debris from the tsunami that ensued is carried in ocean currents to the West Coast of the United States and then circulated around to our beautiful islands of Hawaii. (see map)



In the wake of this unprecedented disaster which experts are saying is much worse than Chernobyl, there have been many California cities and towns who have passed bills for monitoring levels of radiation in their counties. Cities ie, Berkley, Fairfax and San Francisco, and the County of Mendocino have all had citizens passing laws for the monitoring of radiation for awareness of levels in food, water and air. According to experts it is the low-level radiation accumulation that is deadly. These heavy metals accumulating in the environment can take in some cases up to 15-20 years to cause death. The incidence of Thyroid Cancer, Leukemia and other cancers are on the rise. Birth defects are a known result of radiation as measured with Chernobyl where it is reported one million people died and eight million people were crippled by the effects.

In Alaska seals have been found to have open sores. (see bottom of page for links)

Monitoring radiation has many facets. There is Cesium 134 which has gamma particles with life-span of about two weeks. Then there is Cesium 137 which has a biological impact of approximately 300 years. Tritium, a gas, which attaches to moisture molecules is a dangerous substance that accumulates in the body. Tritium is potentially dangerous if inhaled or ingested. It can combine with oxygen to form tritiated water molecules, and those can be absorbed through pores in the skin.

The low energy of tritium's radiation makes it difficult to detect tritium-labeled compounds except by using <u>liquid scintillation counting</u>.

Plutonium that burns the body with what is called "hot"cells is one of the heaviest metals on the element charts. Being able to monitor these substances that can accumulate in the soil, water and human/animal body requires expertise. Trained technicians and sophisticated equipment is used to accurately determine the health and safety of its accumulation in our soils.

Once the soil is contaminated there are hundreds and some say thousands of years before it is no longer contaminated. What does that mean to our staple diet here in Hawaii ie, seaweed, fish and kalo? Plutonium 238, 239 and 240 are highly radioactive but their radiation is in alpha particles, which only travels very short distances and cannot penetrate human skin. Where they are highly dangerous is if they are inhaled. Their radiation causes DNA damage in tissue, which then boosts the risk of cancer. The bone marrow and liver, where plutonium is transported through a blood protein called transferring, are especially vulnerable. Just a dozen milligrams of plutonium are lethal for a human, according to tests on lab animals cited by France's Institute for Radiological Protection and Nuclear Safety (IRSN).

Read more: <u>http://www.smh.com.au/environment/fukushima-what-is-plutonium-and-what-are-the-dangers-20110330-1cfmb.html#ixzz2sa1I5Hch</u>

ENEENERGY NEWS Janurary 30, 2014

A secret 1955 U.S. government report concluded that the ocean may not adequately dilute radiation from nuclear accidents, and there could be <u>"pockets" and "streams" of highly-</u> While many people assume that the ocean will dilute the Fukushima radiation, a previously-<u>concentrated radiation</u>.

Physicians for Social Responsibility notes:

An interesting fact for people living on the US west coast is also included in the UNSCEAR [United Nations Scientific Committee on the Effects of Atomic Radiation] report: only about 5% of the directly discharged radiation was deposited within a radius of 80 km from the Fukushima Dai-ichi nuclear power station. The rest was distributed in the Pacific Ocean. 3-D simulations have been carried out for the Pacific basin, showing that within 5–6 years, the emissions would reach the North American coastline, with uncertain consequences for food safety and health of the local population.

<u>The University of Hawaii's International Pacific Research Center</u> created a graphic showing the projected dispersion of debris from Japan.

Last year, scientists from the National Oceanic and Atmospheric Administration's (NOAA) Pacific Marine Environmental Laboratory and 3 scientists from the GEOMAR Research Center for Marine Geosciences showed that radiation on the West Coast of North America could end up being <u>10 times higher</u> than in Japan:

After 10 years the concentrations become nearly homogeneous over the whole Pacific, with higher values in the east, extending along the North American coast with a maximum ($\sim 1 \times 10-4$) off Baja California.

In summary, the need for monitoring radiation levels on EACH island is essential. The continuation of this pollution of our air, water and soil by Japan (they now have a policy of secrecy to allow any further information out regarding the ongoing pollution) and the destruction of our major food source, fish, as reported by San Diego County, California with the contamination of the Ahi Tuna behooves us to begin a comprehensive monitoring program.

This monitoring would benefit from oversight of the Hawaii Department of Health with the sophisticated equipment and trained personnel on each island. Can we afford not to know what is impacting our food supply our pregnant mothers and future generations.

Respectfully submitted,

Sherrian Witt, M.A., L.M.H.C. Witt Counseling Service Hilo, Hawaii Testimony to the House Health Committee hearing, 8:45 AM on 2-7-14

RE: HB 2600

Respected members of Health Committee:

I ask this committee to please pass this bill to begin measurement of Fukushima radiation contamination in Hawaii. Hawaii sits poised to be a key location to measure areas of radioactive contamination in Hawaii and the pacific. Many of us residents here in Hawaii have been following numerous sources that indicate that we have probable cause for concern, even alarm, that our state is in harm's way and in danger of probable contamination from Fukushima. We have seen conflicting reports of the severity of the eminent danger and there is certainly many points that testlfy that this concern is justifiable. This is a new crisis to us humans and after more than 2 years we still sit stunned, unable to realize and cope with this new danger. We can only know for sure how bad things have become by measuring with adequate apparatus and trained personnel. We do know, however, that:

1. In California, massive amounts of fish have died of unknown reasons.

2 100% of ahi tested in California are heavily contaminated with high levels of radioactivity.

3huge swaths of seafloor outside California are dead, dead animals all over the seafloor, starfish all melted. Seals losing their fur with lesions covering their body. 4. A baby humpback whale washed up dead in Southern California, it was born with 2 heads.

5. In Alaska, seals losing fur with lesions covering their bodies. Salmon have been tested and found with high levels of radiation

6. On Kauai large numbers of fish washing up dead on shore, no reason why.

7. On Big Island high levels of radioactivity found in dalry products from dairy farms in 2011 after Fukushima disaster, they closed shop thereafter giving no reason.

8. After the Cherinoble disaster, 30 years later a million people have died of cancer and Fukushima is considered much worse.

Whether what we face is disaster or false alarm can only be ascertained by measuring with accurate equipment and trained personnel. We are all aware of the implications and are wondering...

I strongly urge the committees to pass this bill and address this urgent situation.

Respectfully submitted,

Steven Bruhjell 808 5534243 PO 945 Kaunakakai, Hi 96748

Post-Itº Fax Note 7671	Date 2/6/14 pages /
TO LRB	From molakai Bublic
Co./Dept.	co. Lebiary
Phone #	Phone # 808-553-1765
Fex# 1-800-535-3859	Fex #

p.1

808-553-1766

From: Sent:	mailinglist@capitol.hawaii.gov Thursday, February 06, 2014 10:45 AM
To:	HLTtestimony
Cc:	molokaishrimp@mac.com
Subject:	Submitted testimony for HB2600 on Feb 7, 2014 08:45AM



Submitted on: 2/6/2014 Testimony for HLT on Feb 7, 2014 08:45AM in Conference Room 329

Submitted By	Organization	Testifier Position	Present at Hearing
Steven Chaikin	Individual	Support	No

Comments: I fully support finding out the level that we are effected by radioactive contamination. We have a right to know. I sternly support this bill. Please join me with your support

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From:	mailinglist@capitol.hawaii.gov
Sent:	Thursday, February 06, 2014 10:50 AM
То:	HLTtestimony
Cc:	nimo1767@gmail.com
Subject:	Submitted testimony for HB2600 on Feb 7, 2014 08:45AM



Submitted on: 2/6/2014 Testimony for HLT on Feb 7, 2014 08:45AM in Conference Room 329

Submitted By	Organization	Testifier Position	Present at Hearing
Robert Petricci	Puna Pono Alliance	Support	No

Comments: Aloha Rep. Della Au Belatti, Chair Rep. Dee Morikawa, Vice Chair, and HLT committee members RE:HB2600 My name is Robert Petricci representing Puna Pono Alliance. Strong support. Aloha Senators, PPA urges you to pass HB2600. It will provide prudent information about possible effects from Fukushima on Hawaii's environment and ultimately our families. Particularly if we need to take measures to protect our keki and pregnant mothers. Thank you for your consideration. Robert Petricci President Puna Pono Alliance

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From:	mailinglist@capitol.hawaii.gov
Sent:	Thursday, February 06, 2014 12:35 PM
То:	HLTtestimony
Cc:	jtrujill@hawaii.edu
Subject:	Submitted testimony for HB2600 on Feb 7, 2014 08:45AM



Submitted on: 2/6/2014 Testimony for HLT on Feb 7, 2014 08:45AM in Conference Room 329

Submitted By	Organization	Testifier Position	Present at Hearing
james trujillo	Individual	Support	No

Comments: mahalo for hearing this bill, hB 2600. please pass this bill to facilitate the testing and monitoring of hawaii's resources to understand better the impact of radiation from global sources. we need to collect baseline information and hb 2600 can be the catalyst for such data recording and monitoring. please pass hB 2600 and move it forward to the next responsible body to approve it's passage. mahalo for considering this testimony in favor of hb 2600

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TESTIMONY FOR SB 3049 & HB 2600 House Health Committee Hearing, 8:45 AM, Feb 7, 2014 Rm 329 Senate Health Committee Hearing, 1:15 PM, Feb 7, 2014, Rm 229

Introduction: Thank you Mr. Chairman and Committee Members. My name is Adrian Chang and I am here to testify in support of this Bill with some recommended word changes to clarify the scope of the monitoring program in order to do it efficiently and cost effectively.

As a retired Nuclear Engineer from Pearl Harbor Naval Shipyard, I stress the importance of measuring for radioactive isotopes which could be the tell-tale sign of after effects from the Fukushima reactor accident. Fission products released, which have long half lives (e.g. Cesium 137 w/ 30+ years) could be very harmful to the general public when ingested, even in small amounts. To keep cost down, the Department of Health should work jointly with the Radiological Department of Pearl Harbor Naval Shipyard, who has over 50 years of experience in this area.

Thank you again for introducing this Bill and for putting the health and safety of the people of Hawaii first, and for being the stewards of our environment.

Adrian Q.S. Chang 216 Nomilo Street Honolulu, Hawaii 96825 Ph: 395-6198, Cell 227-9763 ATTACHMENT TO A. CHANG TESTIMONY FOR SB 3049 & HB 2600 SB 3049 (Suggested Changes) BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

SECTION 1.

- (a) The Department of Health shall develop and implement a pilot radiation monitoring program that shall identify and measure radioactive isotopes, and subsequent buildup, which could possibly result from the March 11, 2011 Fukushima nuclear disaster. As a minimum, the program should include:
 - Monitoring various food items which have a known history of accumulating radioactive material such as, dairy products and commonly consumed marine life;
 - (2) Monitoring specific environmental sites/conditions such as rainwater, aquifers, and drainage ditches.
 - (3) Monitoring susceptible beach locations based on direction of ocean currents from Fukushima, Japan.
 - (4) Post periodic reports on the department's website of those radiation levels and their significance to the State.

(b) The pilot project shall commence on July 1, 2014, and shall terminate on June 30, 2019.

(c) The department shall submit a report of its findings and recommendations, including any proposed legislation, to the legislature no later than twenty days prior to the convening of the regular session of 2019. The report shall include a recommendation on whether the pilot project should be continued, modified, or terminated.

SECTION 2. There is appropriated out of the general revenues of the State of Hawaii the sum of \$ or so much thereof as may be necessary for fiscal year 2014-2015 for equipment acquisition, staff training, and website development. When feasible, joint partnership with the Pearl Harbor Naval Shipyard should be established to help reduce equipment and staff training costs.

The sum appropriated shall be expended by the department of health for the purposes of this Act.

SECTION 3. This Act shall take effect on July 1, 2014.

INTRODUCED BY:

From: Sent:	mailinglist@capitol.hawaii.gov Friday, February 07, 2014 3:44 AM
To:	HLTtestimony
Cc:	gokauai+HI@gmail.com
Subject:	Submitted testimony for HB2600 on Feb 7, 2014 08:45AM



Submitted on: 2/7/2014 Testimony for HLT on Feb 7, 2014 08:45AM in Conference Room 329

Submitted By	Organization	Testifier Position	Present at Hearing
Jeff Fishman	Individual	Support	No

Comments: It is imperative that we monitor radiation levels affecting the Hawaiian Island chain and educate the public about ways to protect against exposure. Mahalo. E ola pono.

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From: Sent:	mailinglist@capitol.hawaii.gov Friday, February 07, 2014 2:37 AM
То:	HLTtestimony
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Subject:	*Submitted testimony for HB2600 on Feb 7, 2014 08:45AM*



Submitted on: 2/7/2014 Testimony for HLT on Feb 7, 2014 08:45AM in Conference Room 329

Submitted By	Organization	Testifier Position	Present at Hearing
Kerri Marks	Individual	Support	No

Comments:

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From:	mailinglist@capitol.hawaii.gov
Sent:	Friday, February 07, 2014 4:00 AM
То:	HLTtestimony
Cc:	paikoman@yahoo.com
Subject:	Submitted testimony for HB2600 on Feb 7, 2014 08:45AM



Submitted on: 2/7/2014 Testimony for HLT on Feb 7, 2014 08:45AM in Conference Room 329

Submitted By	Organization	Testifier Position	Present at Hearing
Lisa Hallett	Individual	Support	No

Comments: Aloha I think this is a brilliant idea. Having periodic reading results posted on a website is a nice quiet way to share information with the public. Public health and safety should be number one with government. Studies are good for us to do in this area, especially because Japan is severely lacking in this area. Mahalo for allowing me to testify. Aloha, Lisa Hallett, Todd Andrews, Jessica Andrews

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Submitted By	Organization	Testifier Position	Present at Hearing
Lisa Kirbin	Individual	Support	No

Comments:

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Submitted By	Organization	Testifier Position	Present at Hearing
penny s	Individual	Support	No

Comments: support

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From:	mailinglist@capitol.hawaii.gov
Sent:	Friday, February 07, 2014 2:39 AM
To:	HLTtestimony
Cc:	shannonkona@gmail.com
Subject:	Submitted testimony for HB2600 on Feb 7, 2014 08:45AM



Submitted on: 2/7/2014 Testimony for HLT on Feb 7, 2014 08:45AM in Conference Room 329

Submitted By	Organization	Testifier Position	Present at Hearing
Shannon Rudolph	Individual	Support	No

Comments: Support. I agree with Jim Albertini's testimony, below. I am a 33 yr. Hawai'i resident that not only wants a baseline for monitoring the possible effects from the Fukushima debacle. I am also very concerned about lack of present radiation monitoring for Pohakuloa. I was caught in a 'dust devil' at Pohakuloa in 2007 and saw the monitors rise with my own eyes, to 75 CPM - after watching the monitors stay 'at a normal' (5 to 20 CPM) for the previous hour and a half; until the dust devil blew over the area. The late Dr. Rosalee Bertell stated: one pinhead of depleted uranium radiation (in the dust) is enough to set off over one million 'alpha-bullets' per day, inside of your body, when ingested. FYI: This incident was the day that elected, and other officials came to Pohakuloa to celebrate a section of the highway being completed, with the late Senator, Daniel Inouye; they, too, were unknowingly caught in this DU dust. Also, the Waiki'i Homeowners Assoc., closest to Pohakuloa, had dust from the subdivision tested with a mass spectrometer, from a gualified lab - the results came back with trace amounts of DU in the dust, which were considered by some to be insignificant. The fact is, there should not have even been trace amounts detected. Zero. What this proves is, the DU dust IS migrating off of the Pohakuloa Military Training Range. I Support monitoring for possible radiation from Fukushima, and I also support monitoring for KNOWN radiation at Pohakuloa. Mahalo. Jim Albertini testimony - Comments: Aloha Senators, Our organiz ation supports this bill. It will provide Hawaii residents with much needed information about possible effects from Fukushima. I would also suggest that included in this bill be a provision for DU soil and air testing to be done at Mauna Kea State Park, adjacent to Pohakuloa where citizen radiation monitors have detected above background radiation on several occasions. More thorough testing is needed. The park is located approximately 1 mile from where the military has confirmed DU spotting rounds have been fired. The air monitoring should be run for weeks with proper very fine filter size. In addition we need to know the wind conditions (strength and direction) 24 hours before the sample is taken - and during the sampling if we are sampling longer than 6 hours at a time. Also we need a report of the dust making activities at PTA going on at the time of sampling. The lab results, the dust activity log and wind results should ideally be gathered independently with each group's activity blinded to the results of the other groups until a final transparent analysis. The testing protocols should be created with community participation in a manner that is transparent and will insure the confidence of the community. Thank you for your consideration in adding this aspect to the radiation testing of this bill. Jim Albertini, president of Malu 'Aina

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From: Sent:	mailinglist@capitol.hawaii.gov Friday, February 07, 2014 8:17 AM
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Cc:	hypnosusan@sbcglobal.net
Subject:	*Submitted testimony for HB2600 on Feb 7, 2014 08:45AM*



Submitted on: 2/7/2014 Testimony for HLT on Feb 7, 2014 08:45AM in Conference Room 329

Subn	nitted By	Organization	Testifier Position	Present at Hearing
S	usan	Individual	Support	No

Comments:

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Submitted By	Organization	Testifier Position	Present at Hearing
tj simms	Individual	Support	No

Comments:

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