FINAL
ENVIRONMENTAL IMPACT STATEMENT
FOR THE
STRATEGIC TARGET SYSTEM

Volume III

May 1992

U.S. Army
Strategic Defense Command
Final
ENVIRONMENTAL IMPACT STATEMENT
FOR THE
STRATEGIC TARGET SYSTEM

Volume III
Written Comments

U.S. Army Strategic Defense Command

May 1992
VOLUME III
WRITTEN COMMENTS

This volume of the Strategic Target System Final Environmental Impact Statement contains the Exhibits (written comments) received at the public hearing and the Comment Letters received during the public comment period. Also included are the cited references, the commentor index, and the distribution list.
# TABLE OF CONTENTS

## VOLUME III WRITTEN COMMENTS

<table>
<thead>
<tr>
<th>chapter</th>
<th>page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. EXHIBITS</td>
<td>1-1</td>
</tr>
<tr>
<td>2. COMMENT LETTERS</td>
<td>2-1</td>
</tr>
<tr>
<td>3. LIST OF PREPARERS</td>
<td>3-1</td>
</tr>
<tr>
<td>4. REFERENCES</td>
<td>4-1</td>
</tr>
<tr>
<td>5. INDEX</td>
<td>5-1</td>
</tr>
<tr>
<td>6. DISTRIBUTION LIST</td>
<td>6-1</td>
</tr>
</tbody>
</table>
CHAPTER 1
EXHIBITS
This chapter presents copies of exhibits received during the March 24 and 25 public hearing for the Strategic Target System Draft EIS. Exhibits included copies of speakers prepared speeches, supporting documentation, and written comments sheets. A total of 111 exhibits were received during the two sessions of the public hearing. In addition, over 2,300 form letters (see EX107, EX108, and EX109) were submitted. The exhibit commentor number is shown in the upper left corner and categorized comments are shown in the right margin.
COMMENTS OF STATE REPRESENTATIVES
BERTHA KAWAKAMI & EZRA KANOHIO
ON THE U.S. ARMY STRATEGIC DEFENSE COMMAND'S
DRAFT ENVIRONMENTAL IMPACT STATEMENT
FOR THE STRATEGIC TARGET SYSTEM

March 25, 1992

August C. Manguso
Lieutenant Colonel, USA
U.S. Army Strategic Defense Command

Dennis R. Gallien
Environmental Engineer
U.S. Army Strategic Defense Command

Thank you for giving us the opportunity to submit comments on this important matter.

Even though the Pacific Missile Range Facility (PMRF) on Kauai is located within Representative Kawakami's 51st district, both of us have been very interested in the proposed launching of Strategic Target System missiles from the Kauai Test Facility since the project was originally proposed.

As Kauai residents will note throughout this hearing, we have many concerns about the impact that the missile launching could have on this local environment. For this reason, we want a full disclosure of the environmental impacts that this proposed project will have. And once these impacts are clearly known, we want to be assured that steps will be taken to mitigate these impacts as much as possible. We also want to learn about all new developments related to this proposal.

Not being experts on air quality and threatened or endangered flora and fauna, and knowing little about missile launching, we cannot speak with any authority on whether the draft environmental impact statement adequately discusses the impacts that may result from the proposed project. For these specific topics, we gladly defer to the experts in the field.

We would like, however, to share our thoughts with you on the broader implications that this issue is having on the Kauai community. On this topic—the people of Kauai—feel that we are better qualified to speak.

We must ask ourselves: what is the impact that this issue is having on the social fabric of our community? This is a question that greatly concerns us, because we foresee a polarizing effect on our community that may have a lasting impact on us. In other words, the livelihood of many Kauai residents may be in jeopardy. We don’t know whether such a linkage exists. We do know that some have maintained this position, and others have denied it. Nevertheless, this disturbing speculation persists. And it concerns us, because PMRF has been a good neighbor. It supports the economy of our island, and it assumes a very important niche in our community and the state.

To minimize such divisiveness in our community, it is important for the final environmental impact statement to clarify this concern once and for all.

At the same time, we at the legislature are working to ensure the long-term survival of the PMRF. Two weeks ago, we introduced House Concurrent Resolution No. 360 (attached) which urges the United States Congress, the President of the United States, and the Secretary of Defense to maintain the PMRF at the United States foremost missile range facility in the interest of assuring the nation’s defense and preserving world security and peace. The concurrent resolution also urges Hawaii’s congressional delegation to do everything in their power to preserve the integrity and capability of the PMRF. The gist of this measure is that Kauai cannot afford to lose the PMRF.

We end our comments with these requests. We ask the United States Army to please listen carefully to the testimony that is given at this hearing. In addition to the specific questions that will be raised, please also consider the broader message that we are giving you: Kauai residents are very concerned about protecting both our environment and our community.

Finally, we ask those in the audience to be tolerant of those who have different views from yours. Please remember: we need to live with each other.

We look forward to the opportunity to testify.

Bertha Kawakami
State Representative
51st District

Ezra Kanoho
State Representative
50th District

Attachment
HOUSE CONCURRENT RESOLUTION

URING THE CONGRESS OF THE UNITED STATES, THE PRESIDENT OF THE UNITED STATES, AND THE SECRETARY OF DEFENSE, TO MAINTAIN THE PACIFIC MISSILE RANGE FACILITY AT NANA, ON THE ISLAND OF KAUAI, IN THE STATE OF HAWAII, AS THE UNITED STATES' FOREMOST MISSILE RANGE FACILITY.

WHEREAS, the Pacific Missile Range Facility (PMRF) at Nana, on the island of Kauai, in the State of Hawaii, was established twenty-eight years ago and has long been acclaimed as the world's premier missile testing and fleet maneuvering site; and

WHEREAS, through the years, hundreds of millions of taxpayers' dollars have been invested in structures, runway and missile firing facilities, as well as sophisticated testing, tracking, missile retrieving, and related telecommunications equipment, to attain this needed capability; and

WHEREAS, the PMRF covers a land area of 2,478 acres at Nana, Kokee, Makaha ridge, Kaumokake ridge, and Port Allen, on the island of Kauai, and a radar site at Kauai Kuleana, on the island of Oahu, as well as an underwater tracking range of 1,000 square miles, which is cabled to provide subsurface monitoring and tracking capability; and

WHEREAS, the total range of designated operations at the PMRF spans 29,000 square miles of open ocean, far removed from traveled sea lanes, as well as the flight patterns of commercial air carriers, unlike the congestion and conflict that exists anywhere along the continental coastline of the United States; and

WHEREAS, experiences from war in the Persian Gulf and other recent conflicts mandate that national defense and world security be maintained to guard against unscrupulous dictators who intentionally mislead and rally their unwary citizens against depicted enemies to satisfy their personal quests for power; and

WHEREAS, the Legislature wishes to clearly express its total support for the intent of the "STARS PROGRAM", provided that an environmental impact statement and its review indicate that the island of Kauai and the State of Hawaii will not be adversely impacted environmentally, or in any other way, by the program; and

WHEREAS, the PMRF and its personnel and employees—numbering 135 active duty Navy personnel and 711 civilian employees, tenant employees, and Hawaii Air National Guard personnel—have been good and caring neighbors who, in their official and volunteer capacities, have established a proud history of willingness to provide various services to the community, including contributions to the Kauai United Way and four-year college scholarship grants to Kauai's youth; and

WHEREAS, the vast, albeit silent, majority of the people on the island of Kauai recognize:

(1) The beneficial presence of the PMRF through the facility's creation of technical and skilled job opportunities, as well as the facility's substantial contribution to the island's economy; and

(2) That there would be a devastating effect on the island's residents should the PMRF's activities, with an annual operating budget of $73,000,000, be significantly curtailed or completely terminated;

now, therefore,

BE IT RESOLVED by the House of Representatives of the Sixteenth Legislature of the State of Hawaii, Regular Session of 1992, the Senate concurring, that the Legislature respectfully urges the Congress of the United States, the President of the United States, and the Secretary of Defense, to maintain the Pacific Missile Range Facility at Nana, on the island of Kauai, in the State of Hawaii, as the United States' foremost missile range facility, not only for all the reasons cited in this Concurrent Resolution, but more particularly in the interest of assuring the nation's defense and preserving world security and peace;

BE IT FURTHER RESOLVED that the members of Hawaii's congressional delegation are respectfully requested to support the intent of this Concurrent Resolution and to do everything in their power to preserve the integrity and capability of the Pacific Missile Range Facility; and

BE IT FURTHER RESOLVED that certified copies of this Resolution be transmitted to the President of the United States,
the Secretary of Defense, Hawaii's congressional delegation, the Governor, the Mayor of the County of Kauai, the members of the Kauai County Council, and the Commanding Officer of the Pacific Missile Range Facility.

OFFERED BY:

[Signature]

David S. Nekomoto
P.O. Box 123
Lanai, HI 96763
(808) 332-7287 (H)
(808) 333-4677 (O)
March 24, 1992

TO WHOM IT MAY CONCERN:

This is to identify Ms. Annette Hazlett as the individual who will read my statement at the STARS EIS hearing as I indicated I would be out of town. I have been assigned a time of 7:50 p.m.

Thank you very much.

[Signature]

David S. Nekomoto
Thank you for allowing me to submit to you my written testimony for this important hearing.

First of all, I would like to say that I support the STARS Program and the Pacific Missile Range Facility. I have reviewed the Draft EIS, and am convinced that there would be no significant impact caused by the STARS launches.

Hawaii as a state is about to feel the far reaching impacts of massive Defense cutbacks, and we as citizens should be very concerned about the economic consequences.

Strategic Defense Initiative programs, including STARS, have survived these cuts and more importantly, have received increased funding, as approved by Congress. We should cherish the fact that the program can be so significantly supported from our little base right here on Kauai.

I have stated my strong belief that the existence of PMRF today is due largely to Test and Evaluation programs with SDIO being PMRF's largest customer. Those of us who understand business know the value of keeping your biggest accounts in good shape!! I'm not saying that public safety should be compromised--I am confident that project personnel are doing a good job at minimizing risks to the public and to the environment.

In the face of increasing evidence that there are serious questions being raised about the future of PMRF, I think that anyone who has concern over the economic well-being of our County would not be protesting the presence of STARS on Kauai.

Those who protest the STARS program should be scrutinized. How many who protested for the EIS have stopped protesting now that the EIS has been mandated?? I would venture to say that most of the same protesters are now focused on eliminating the program from Kauai altogether. My question to these protesters is:

"If you knew that your protests could do irreparable economic harm to Kauai and her people, would you continue in your protest?"

If the answer is "NO, I would stop," then I urge you to listen & evaluate.

If your answer is "YES, I would continue," then I urge you to move from Kauai.

To you the Program Managers, please be aware that there are many, many people who support the base and its programs. However, our military and civil service personnel are somewhat restrained in the extent they are able to speak in public, and the vast majority of the other good folk who support PMRF are out of the stock, or do not have the time or money to involve themselves in a prolonged effort to ring bells and rattle cages as our opposition is so capable of doing. Our people don't have the kind of finances it takes to continuously run expensive television, radio and newspaper advertisements, or to hire high priced speakers from out of town. We're being outclassed and outspent by people with fancy credentials who speak in half truths. Most of them are new arrivals to Kauai, who want to burn the bridge now that they're across it--people who don't know or feel the meaning of the word "ALOHA," people who don't care that the base could close.

To my fellow supporters of PMRF and the STARS Program—I thank you for coming out to show where you stand. I urge you to continue to fight as hard as you can, as the base's future is in our hands. We must be active and vocal, or we will all lose out. Urge others to get involved. Our politicians must get the message so they can act to avert irreversible damage to our island's economy.

PMRF and Pokaola are the two largest military training areas remaining in Hawaii, and both are under fire by protesters. If either of these ranges close, there would be reason to relocate operational units to where they are welcome, where there is better access to training facilities. We've already lost Kahoolawe, and this is causing Pearl Harbor based units to transit to San Diego to get to training facilities which permit naval gunfire operations. It won't be long before military decisionmakers take action to transfer these ships and personnel to San Diego in order to be closer to usable training areas.

Yes, I truly believe that Hawaii is headed for real trouble, and it starts in our own backyard. We must do all we can to stop the loss of military training areas if we don't want the operational units to relocate elsewhere.

I know there are many protesters signed up to speak tonight, but I would like you to know that there are also many supporters here—WOULD ALL THOSE WHO SUPPORT PMRF AND THE STARS PROJECT STAND AND SHOUT YOUR SUPPORT??

In addition to the show of support evidenced by those here tonight, it gives me great pleasure to present copies of over 1750 letters of support which have been presented to our leaders in Congress, the State Legislature, and the Mayor and County Council of the Island of Kauai. These letters evidence a declaration of support for PMRF, its people, and its programs. Please accept them as affirmation of the support of many who are too shy to approach this microphone.

Thank you very much for listening.
March 24, 1992

To: U.S. Army Strategic Defense Command

From: Cynthia Stark-Wickman
1746 Hulu Road, Kapaa, Kauai, HI 96746
808-822-3771

Re: Draft Environmental Impact Statement for the Strategic Target System

As I teach my children to place their efforts towards a peaceful future, I come before you tonight as a representative of my family, especially my two daughters ages 4 and 7. While they are now being educated to respect the natural environment, the meaning of extinction and endangered species, as well as the concept of equal rights for all people, we as adults are called upon to make judgement as to what is right or wrong for the future of the uniqueness of Kauai.

I will not pretend to fully understand all of the intricacies of this military project, but I will speak of my opinion as to what I believe is significant or "insignificant". Having been educated to know that insignificance is indicative of a low percentage of effect or change, I realized that research and analysis of data can easily justify insignificance by percentages. In the case of our environment, we have been able to observe how "insignificant" alterations and additions can in fact be compounded thus causing mutations to our ecosystem. Our failure to continue to consider the longitudinal impact of any human introduced alterations is a point of issue.

I take the position that any avoidable alteration to our ecosystem is significant. I do not accept that the Strategic Target System research and testing mode is of greater value than the Kauai environment. I prefer that this research remain on paper and in a state of simulation, therefore, I make a plea for the "NO ACTION ALTERNATIVE". No action guarantees the continued undisturbed existence of Kauai’s fragile ecosystem.

March 24, 1992

Testimony Given Before The U.S. Army Strategic Defense Command Concerning the STARS Environmental Impact Statement

Gentlemen:

My name is Jay Hanson and I represent the West Hawaii Sierra Club. There are certain issues that we raised during your scoping period that have not been addressed in your EIS:

1. Please present arguments both for and against the current Strategic SDI program, so that we can be certain that STARS is a worthwhile program.

2. Please identify the social impacts that the SDI program has on the residents of Kwajalein Lagoon.

3. Please present a cost/benefit analysis of the STARS program in a way that we ordinary citizens can understand.

4. Please identify all sources of ionizing radiation that could be aboard your launches. Furthermore, please calculate the worst-case radiation health hazards.

The largest source that we are aware of would probably be the depleted uranium (DU) that could be used in a dummy warhead. We are concerned about health hazards if large amounts of DU were to burn on the pad.

Thank You.

Jay Hanson, 78-6622 Alii Drive, Kailua-Kona, HI 96740
Phone: 808-322-7268 Fax: 808-322-7869

ENCLOSURES

Hawaii’s Sierra Club - now over 4,000 strong
December 17, 1991

Deputy Commander
U.S. Army Strategic Defense Command
Attn: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Mr. Gallien,

This letter is in response to your letter concerning the STARS EIS. I believe that my previous letters have raised all the issues that concern me. I am particularly concerned about sources of ionizing radiation that may be present on your launches.

The largest source that I am aware of would probably be the depleted uranium (DU) that could be used in a dummy warhead. I am concerned about health hazards if a large amount of DU were to burn on the pad.

Please identify all sources of ionizing radiation that could be present on your launches. Furthermore, please calculate their worst-case health hazards.

Aloha.

Jay Hanson, Phone 808-322-7268 Fax 808-322-7869
Program Chair, West Hawaii Sierra Club, 78-6622 Alii Drive, Kailua-Kona, HI 96740

December 25, 1991

Deputy Commander
U.S. Army Strategic Defense Command
Attn: CSSD-EN-V (D. R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

SENT VIA FAX 205-955-1310 and U.S. Mail (5 pages with enclosure)

Dear Mr. Gallien,

After my letter of December 17, concerning the STARS EIS, some of our members raised additional concerns. The West Hawaii Sierra Club apologizes for not mentioning these issues earlier.

Most importantly, the West Hawaii Sierra Club suspects that the following three questions get to the heart of the STARS opposition on Kauai. If your EIS can satisfactorily answer these three questions, the West Hawaii Sierra Club believes that the bulk of the opposition to STARS will evaporate. Conversely, if your EIS does not satisfactorily address these questions, then the people will continue to oppose the STARS program on Kauai.

Question #1: The West Hawaii Sierra Club feels that the present Strategic (as opposed to theater) SDI program has not been shown to be the most cost-effective, most reliable solution to defend against the perceived nuclear threat. It is the West Hawaii Sierra Club’s understanding that several respected scientists have proposed better alternatives (we are enclosing a copy of one recent opinion). Please present arguments both for and against the current Strategic SDI program, so that we can be certain that STARS is a worthwhile program.
October 10, 1991

Dear Editor,

Many individuals have not heard arguments concerning the proposed Strategic Defense Initiative (SDI or Star Wars) program in a way that is easy to understand. Debate presently rages concerning the wisdom of pursuing SDI, because SDI is still many billions of taxpayer's dollars, and several years away from actual deployment. Therefore, I will present currently fashionable arguments for showering SDI with money, and why those arguments are flawed.

PRO: The Soviet Union may accidentally launch an intercontinental ballistic missile (ICBM) at us and we would need our SDI anti-ballistic missile (ABM) to shoot down their ICBM.

CON: Dr. Sherman Frankel proposes a much better solution to the problem in an article titled "Stopping Accidents After They’ve Happened", which appeared in the Nov 1990, "The Bulletin of the Atomic Scientists."

Nuclear missiles have sophisticated electronic locks called “permissive action links” (PALs), and require special codes before the missiles can be launched. Unfortunately, once they are launched, there are presently no mechanisms in place to destroy errant nuclear missiles.

Dr. Frankel proposes a new system that would be able to destroy missiles after they have been launched, and would be similar to systems that are presently used on all commercial rockets. The principal innovation is that the new post-launch system would have a unique secret destruct number stored in each missile. Each missile’s secret number would be changed frequently to guard against espionage. There would be one PAL to launch the missile and another PAL to destroy it.

Dr. Frankel’s system would be far cheaper, quicker to implement, and much more reliable than the proposed SDI ABM system. Dr. Frankel is a professor of physics at the University of Pennsylvania in Philadelphia and is completing a book about post-launch control of nuclear weapons.

PRO: Saddam Hussein may get a nuclear weapon to destroy one of our cities and get even for Desert Storm. Thus, we would need SDI’s ABM to shoot down Saddam’s ICBM.

CON: Dr. Robert Bowman lectured in Hawaii during 1990 and made the following points concerning nuclear terrorism:

Aloha,

Jay Hanson, Program Chair, Phone 808-322-7268 - Fax 808-322-7869
West Hawaii Sierra Club, 78-6622 Alii Drive, Kailua-Kona, HI 96740

ENCLOSURE

Hawaii’s Sierra Club - now over 4,000 strong
If the past is any guide to the future, nuclear weapons will indeed become more and more likely to fall into the hands of terrorists. However, even if crazy Saddam manages to steal a nuclear weapon, he still will not have ICBM technology. Moreover, if someone gave Saddam an ICBM to launch his weapon, why would Saddam risk his precious nuclear weapon on an untested ICBM? Perhaps, the single most important reason not to use an ICBM is that as soon as a missile trajectory originating from Iraq appeared on our radar screens, we would certainly retaliate.

Wouldn't Saddam be more likely to place his bomb in a boat and simply sail into any handy American seaport? Come to think of it, we have a pretty good selection to choose from right here in Hawaii. Saddam couldn't possibly miss, and no one would ever know where it came from. Instant glass...

In reality, we must stop the proliferation of nuclear materials and technologies in order to protect ourselves against nuclear terrorism.

PRO: We can stop worrying about nukes once we have SDI.

CON: Even SDI proponents no longer consider this a rational argument, because there really is no defense against a nuclear weapon in the hands of a terrorist.

PRO: America's National Security requires a healthy defense industry. Therefore, we need to develop SDI in order to keep defense contractors from going broke (a variation on this argument was actually made recently by NASA's Admiral Truly).

CON: There does need to be a residual capability in our defense industries. However, these companies should be developing beneficial products instead of just flushing taxpayer's money down their toilets. They should be working on technical solutions to the global warming problem, combating ozone depletion, developing hydrogen-powered autos, and perfecting solar-powered electricity production.

Today, America is the world's largest arms dealer. Today, President Bush in proposing new mega-billion dollar weapons systems to compete with last year's models of our own weapons. Today, the weapons priesthood is looting America on a scale that leaves the Savings and Loan Bandits green with envy.

In the new Sierra Club book “Hidden Dangers”, authors Ehrlich and Birks state: “The net interest payments on the federal debt combined with government purchases of military goods and services - those two budget items by themselves - absorbed all of the federal income tax revenues collected from all American taxpayers, individuals, families, and corporations in 1986.”

Once we reach the point where all of our taxes are only able to service the interest payments on the National Debt, how shall we ever recover?

Aloha.

Jay Hanson, Program Chair,
West Hawaii Sierra Club,
78-6622 Alii Drive,
Kailua-Kona, HI 96740
Phone 808-322-7268
Fax 808-322-7869
3/24 (9:22 p.m.)

My name is Robert Inouye and I am employed by the Pacific Missile Range Facility as the base Environmental Engineer.

I am a resident of Kauai, living and working on this island. I am very concerned about our precious environment.

The draft environmental impact statement inadequately addresses the issues and concerns of the STARBASE program. The development will not have a purpose. We at the Pacific Missile Range Facility are the stewards of this land. Safety of personnel and the protection and preservation of the environment are paramount.
What I said was essentially this: This Island of Kauai is sacred land ... and it has been held "in trust" by God through eons of time. Some believe that Kauai may have been the original Garden of Eden. Certainly, it is not by physical beauty alone that Kauai is designated as the "Garden Island." It is the Aloha Spirit that such a name embodies.

We, the citizens of this sacred land today are not to violate that trust ... we have the responsibility to not allow it to be desecrated. The escalating military focus on this island does just that ... as such, it should not be tolerated. This Island of Kauai is not meant for rocket launches -- and other instruments of war -- no matter how "safe."

What do I mean when I say the "escalating military focus?" Unfortunately we, the public, tend to think in short-range terms. Let us not kid ourselves. The Pentagon in Washington has major long-range plans for the Barking Sands area. What you see now is a small, innocuous base. What you will see in the near future, is a major military installation.

Witness already the step-upped program for rocket launches, quietly mentioned in the EIS. Fifteen launches a year! Of course, not all are for the STARS system. Yet, who knows how many rocket launches are planned for the future, once the STARS program is firmly rooted here.

I am here to say, look beyond the STARS program. It represents just the initial phases of a much wider program. One in which we will all be vitally effected. And what then, about the "immeasurable impact" -- the Aloha Spirit?

Let me close, if I may, with a quote from a remarkable man who was born here in 1889, a Hawaiian by the name of David "Daddy" Bray. His definition for the Aloha Spirit can very well be a model for all of us who live on this sacred Island of Kauai. "The Aloha Spirit" is to come forward, to be in unity and harmony with your real self and mankind and the universe."

Thank you.

Richard Young

1
Good evening. My name is John Love. My wife and I have retired here because we love the environment. That environment includes all of the God given things in nature. It also includes freedom, peace, and prosperity. We urge the people of Kauai to actively support STARS.

My beliefs are based on experience and history. I graduated from MIT in '58 and spent the next 33 years designing space systems. I have held senior engineering and management positions on many spacecraft programs including 4 SDI systems.

Why SDI, GPALS, and STARS? We all wish for peace. Recent world changes tend to make us feel more secure. However, control of huge stockpiles of military equipment is uncertain. Dictatorships can spring up overnight if the promises of freedom fail. Many third world countries already have weapons of mass destruction and are hungry for more.

There are wars now, and history tells us there will be more. We don't know where or when. Who could have predicted two years ago that we would be in Desert Storm? And who could have predicted the stunning impact of technology on saving American lives and achieving swift victory?

There is no doubt that future aggressors will have missiles armed with terrible warheads. Although Kauai is an unlikely target, we have a duty to support freedom. SDI and GPALS would provide an impressive level of defense if deployed today. STARS is needed to develop technology to make those systems less expensive and even more effective.

This EIS is thorough and professional, the best I've read. Yet when you voice your concerns, the experts cannot give you absolute guarantees. We all know that death and taxes are the only two sure things in life.

I'd like to offer a different view based on history. The natural environments around Cape Canaveral and Vandenberg are different, but no less fragile than here. They are doing just fine after 40 years and a thousand space launches, most huge compared to STARS.

The space launch safety record for the general public has been outstanding. There have been some tragic ground handling and test accidents like the Apollo 1 fire. None involved the public.

There were many launch failures, particularly in the early years when we were learning. We had the Challenger disaster, but as far as I can determine no other person has even been injured as a result of a US space launch. Even with the terror of Challenger, the public was safe.

We are far more at risk on Kauai's highways than anything associated with STARS. I urge patriotic support for STARS. It can help guarantee the freedom which allows true peace, and it can help bring prosperity to our beloved island. Thank you.
Rick Reed says we should reject the program even if the EIS results in a finding of no significant impact because it would harm the Spirit of Kauai. In essence what he's saying is forget due process unless its findings are in our favor. If this program had started 10 years ago, what would Kauai be like today? How would it have affected the Spirit of Kauai? It seems to me that the increase in crime in the past ten years does more harm to the Spirit of Kauai than four launches a year. The worsened well-being of our children today versus ten years ago does more harm to the Spirit of Kauai than four launches a year. The increased traffic coming into Lihue in the past ten years does more harm than four launches per year. Once the STARS controversy winds down, I wonder what's next? Beware hunters, sugar companies, and anyone else who may not fit into the scheme of things to come.

Test and evaluation programs such as STARS can work at PMRF provided it's done safely. This EIS has answered the technical issues surrounding it. Those who support this program know that safety must always come first. We raise our families here. This is our home. I know that those working at PMRF would never compromise safety; they would not stand for anything less than the highest possible standards. You would be the first to hear about it.

Let me quote words spoken by Kamehameha III nearly 150 years ago and in our state motto today.

UA MAU KE EA O KA AINA I KA PONO
that is
"THE LIFE OF THE LAND IS PRESERVED BY RIGHTEOUSNESS."

Words many in this room should take to heart!

Sincerely

Averet Soto

Deputy Commander
U.S. Army Strategic Defense Command
CCSD-EN-V (D. R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

March 24, 1992

Sincerely yours,

Richard Irwin
**EX9 (cont.)**

Comments to the STARS DEIS submitted by R. Irwin

<table>
<thead>
<tr>
<th>Page No.</th>
<th>Para.</th>
<th>Line</th>
<th>Fig. No.</th>
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<th>Comments</th>
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| 2-10     | 3     | 7    |          |         | Explain dome pop |
| 2-10     | 4     | 4    |          |         | Explain propellant cross-linking |

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<thead>
<tr>
<th>Page No.</th>
<th>Para.</th>
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<th>Fig. No.</th>
<th>Tbl No.</th>
<th>Comments</th>
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<tbody>
<tr>
<td>2-11</td>
<td>2</td>
<td>3</td>
<td></td>
<td></td>
<td>Will all STARS second stage boosters be built after booster number B-810? If so, state it clearly.</td>
</tr>
<tr>
<td>2-11</td>
<td>2.1.1.3, 2nd para.</td>
<td>1</td>
<td></td>
<td></td>
<td>The first sentence is redundant since the first paragraph stated the same thing.</td>
</tr>
<tr>
<td>2-11</td>
<td>2.1.1.3, 2nd para.</td>
<td>3-4</td>
<td></td>
<td></td>
<td>Explain why payloads with pre-installed nitrogen tetroxide can be flown to PMRF when on the next page it is stated that a waiver would be needed from DOT to ship the oxidizer by air. (I assume the small quantity of the pre-installed nitrogen tetroxide is allowed by DOT).</td>
</tr>
<tr>
<td>2-12</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>What is the proposed action for liquid propellant shipment - oxidizer? It is clearly stated on page 2-34 and elsewhere in the document that delivery by land craft (Option 3) is the proposed action. This should be stated clearly here.</td>
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<td>2-15</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>A statement should be added to document that hydrazines and nitrogen tetroxide have been safely used by NASA in the Space Shuttle and handling and safety procedures are well-documented.</td>
</tr>
<tr>
<td>2-16</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td>Can the missile track and accuracy be maintained if the radar beacon fails? If so, can downrange tracking be maintained to meet safety requirements? Are there redundant beacons on board?</td>
</tr>
<tr>
<td>2-25</td>
<td>2.1.2.4</td>
<td>3</td>
<td></td>
<td></td>
<td>Delete the word &quot;which&quot; (follows Control Room, and proceeds is active throughout).</td>
</tr>
<tr>
<td>2-32</td>
<td>2</td>
<td>1 &amp; 2</td>
<td></td>
<td></td>
<td>Will the portable blast deflector be installed or not? If so, state it clearly.</td>
</tr>
<tr>
<td>2-40</td>
<td></td>
<td>2-3</td>
<td></td>
<td></td>
<td>Socioeconomics - No Action: In addition to reducing PMRF's viability as a National defense asset, my comments for page ES-2 are also applicable. The loss of jobs related to STARS at PMRF and possible loss of potential future T&amp;E programs at PMRF would be a significant economic impact to the employees, residents, and businesses of the Westside communities of Kauai.</td>
</tr>
<tr>
<td>Page No.</td>
<td>Para.</td>
<td>Line</td>
<td>Fig. No.</td>
<td>Tbl No.</td>
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<tr>
<td>3-15</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>The practice of burning sugar cane fields causes PROLONGED periods of heavy smoke and ash during the cane harvesting season. What are the effects on air quality from burning cane? Do they exceed State air-quality standards? Again, the relative effects of STARS booster combustion products on air quality should be made with sugar cane burning.</td>
</tr>
<tr>
<td>3-44</td>
<td></td>
<td></td>
<td>3-6</td>
<td></td>
<td>Measurement location numbers from Fig. 3-12 should be added to this table.</td>
</tr>
<tr>
<td>4-7</td>
<td>5 (P/O Strategic Target System Emissions)</td>
<td></td>
<td></td>
<td></td>
<td>It should be made clear in this paragraph that the payload liquid propellants are only carried on some, not all STARS launches. Read alone, this paragraph implies liquid fuels on all launches.</td>
</tr>
<tr>
<td>4-10</td>
<td>2</td>
<td>3</td>
<td></td>
<td></td>
<td>If REEDM has been used at major launch sites for prediction, has the prediction been validated by observed results? How accurate has the REEDM model been in practice?</td>
</tr>
<tr>
<td>4-16</td>
<td>CO</td>
<td></td>
<td></td>
<td></td>
<td>How do the modeled predictions for CO concentrations compare with measured concentrations from sugar cane burning. A relative comparison here would be informative.</td>
</tr>
<tr>
<td>4-17</td>
<td>Particulate Matter</td>
<td></td>
<td></td>
<td></td>
<td>Same comment as 4-10</td>
</tr>
<tr>
<td>4-24</td>
<td>CO₂</td>
<td></td>
<td></td>
<td></td>
<td>Same comment as 4-10</td>
</tr>
<tr>
<td></td>
<td>HCL Emissions</td>
<td></td>
<td></td>
<td></td>
<td>Won't the pre-launch fire suppression water spray on vegetation near the pad intensive the effects of HCL on the plants? It would seem logical that damp plant surfaces would readily absorb and concentrate the HCL vapor. The resulting hydrochloric acid would have a greater negative effect than the HCL vapor.</td>
</tr>
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<tr>
<td>4-36</td>
<td>1</td>
<td>1</td>
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<td></td>
<td>I believe State and County laws (not enforced) prevent the use of four-wheel drive vehicles on the beach, therefore the beach closure would have no (legal) effect on the vehicles and shouldn't be mentioned.</td>
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<td>4-58</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td>This sentence doesn't make sense. What's missing? Is the point being made that the hydrazine toxic vapor hazard is low due to the relatively low evaporation rate?</td>
</tr>
<tr>
<td>4-74</td>
<td>4.12.2</td>
<td></td>
<td></td>
<td></td>
<td>My comments for pages ES-2 and 2-40 are applicable to the No Action Alternative.</td>
</tr>
<tr>
<td>6-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Add hyperlinks to list of Terms and Definitions.</td>
</tr>
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</table>
Written comments for the record concerning the STARS DEIS

Thank you for the opportunity to offer testimony on the STARS Draft EIS.

My name is Richard Irwin and I am a retired Navy veteran employed at PMRF. I am also a veteran of the Cold War. A good part of my military career was spent in daily contact with Communist forces. I monitored their strategic missile weapons testing program; I was there as their multiple reentry vehicles came screaming through the skies, like fireballs from Hell. The simulated thermonuclear detonations of these test weapons was the most frightening thing I have ever witnessed. It was chilling to realize these events simulated the incineration of millions of people. Because of these experiences, I know that the GPALS and STARS programs are vital to the Nation's security.

I feel the DEIS inadequately addresses the negative impact on the Nation's defense, if the No Action Alternative is followed. The STARS program is vital to the Nation's security. More so in this era of uncontrolled nuclear proliferation. A cold war victory did not dispel the nuclear genie. The Soviet Union is fragmented and bankrupt, but in its ashes still lies the seeds of Armageddon. Seeds that left unintended, will surely scatter to even more threatening fields. The Chinese have advanced their technology with capable ICBM and SLBM delivery systems. We live in a world in which nearly every nation that wants nuclear weapons has them. Even designing a nuclear weapon, once the most closely guarded of secrets, is not a difficult task. What's classified today is how to build a good weapon, not how to build a weapon. While the Strategic Defense Initiative's GPALS program cannot defend against all methods of nuclear weapons delivery,

it holds the best hope of rendering it useless. I therefore urge you to readdress and emphasize this issue in the No Action Alternative.

The No Action Alternative should consider the effect on the Kauai economy if PMRF is cut back or closed as a result of the loss of STARS and other T&E programs.

The vocal, anti-STARS, monster minority of North shore have opposed the STARS program and the Nation's defense from day one without taking the time to explore all sides of the issue. Their stated goal was to ensure environmental safety by demanding an EIS. Now that they've got the EIS they say No Rockets regardless. The rockets have been on Kauai longer than most of them and with far less environmental damage. Some are even advocating disregard of the law with their contention that invisible feelings and spirits of Kauai will be affected. What is their real agenda? I feel these environmental dictators won't be satisfied until they've run everyone off the island that oppose their one-side views.

These environmentalists have a total disregard of their actions on the hardworking folks of the Westside. Thousands of Westside residents are directly or indirectly dependent upon PMRF for their financial well-being and lifestyle. Recent cost-cutting moves by the Department of Defense are forcing base closures and are now a very real threat to PMRF. The base is under a justification review mandated by the Chief of Naval Operations. Myself and fellow employees at PMRF take this potential base closure threat very seriously. That is why the STARS program is viewed by most long-term civilian employees as the key to the base's future. A safe and successful STARS program will undoubtedly attract other National test and evaluation programs (not necessarily missile-related) which
will keep PMRF and Kauai prosperous in the future. If this isn't keeping "Kauai Kauai" or "Hawaii Hawaii," then what is? If PMRF should close as a result of losing programs such as STARS, don't you think the impact, from loss of jobs, would be far greater upon the "invisible spirit and soul of Kauai" than that from a few short-duration missile launches?

PMRF may just be the tip of the iceberg for Hawaii. Recently we've seen the Commander, Third Fleet and his staff relocate to California. Cutbacks have been announced for the Pearl Harbor shipyard. Relocation of the Commander, Pacific Fleet and staff to California is under serious consideration. The majority of surface ships and submarines would also be relocated under some plans. Since the Kanehoe Bay Marine Corps can no longer train on Kahoolawe, are they the next to go? And what about the light infantry at Schofield Barracks without Hickham cargo aircraft for rapid deployment: will they also be relocated? We are talking about the potential loss of tens of thousands of jobs and hundreds of millions of payroll and indirect dollars to the Hawaiian economy.

The members of the Kauai County Council feel the PMRF closure threat is real enough to have recently expressed their unanimous support of PMRF to Senator Inouye in a letter asking his support, to keep the base open. The Mayor, of course, has aided with her North shore friends to continue with her long standing agenda dating from her County Council days: and that is to close the base.

I ask those that oppose STARS to keep an open mind and visit their neighbors at PMRF to get their viewpoint and the rest of the story. Talk to engineers and Union technicians and operators who will actually launch and track the STARS missile and ensure the public and environments' safety. For the majority of these people,
League of Women Voters of Kaua'i County

Testimony to the U.S. Army Strategic Defense Command
Lihue, Kaua'i, Hawai'i, March 24, 1992

The League of Women Voters—supports the preservation of the
physical, chemical and biological integrity of the ecosystem, and supports maximum
protection of public health and the environment.

The League believes that:

1. the Federal government should provide leadership in protection and management
   of natural resources;

2. that the government—the military, in this case—has special responsibility for the
   lands and resources entrusted to it; and

3. that there must be special consideration for the protection of areas of critical
   environmental concern, historical importance and aesthetic value.

The U.S. military has recently admitted to degrading environment and health
beyond necessity and reason in areas across the United States, and you have vowed to
improve. You have acknowledged certain important impacts and risks, and hopefully
heard the documented others, of the proposed Barking Sands missile launchings and
resulting threats to local health, safety, archaeology, environment and economy.

If you were a commercial or subsistence fisher of Kaua'i, or surviving through tourism,
would you feel more secure with experimentally-remodeled Polaris missiles
launched here?

If you were worried about missile attacks, would you be happy to be a target due to SDI
activity here?

If the military is developing NUCLEAR-powered rockets and NUCLEAR satellites to take
SDI weapons into space, might Barking Sands be involved?

Show us that you do defend—before the damage is done; do not further endanger
Barking Sands.

Non-parish. Non-profit
Promoting Political Responsibility
Open to all adults over 18 years
February 7, 1972

CONGRESSIONAL RECORD—SENATE

S 1534

LESS than the past 11 years, that the
portion of our budget has been aimed
at our subsistence and at our military
needs, we have one of the few best
examples of how the Senate operates in
the context of the Constitution.

Mr. BYRD. The Constitution says, in
Article I, Section 3, that the Senate is
the place in which the advice and consent
of the Senate shall be required. And the
Senate is the place in which the advice
and consent of the Senate shall be required.

But the Constitution also says, in
Article I, Section 5, that the Senate shall
be the place in which the advice and
consent of the Senate shall be required.

And the Senate is the place in which the
department is to be established.

But the Constitution also says, in
Article I, Section 5, that the Senate shall
be the place in which the advice and


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Mr. BYRD. I am pleased to have the
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February 17, 1982

CONGRESSIONAL RECORD—SENATE
S 1324

Mr. Byrd (for Senator Hatfield) said: Mr. President, I arise to discuss a matter that is very near and dear to the hearts of many Americans. This is the matter of public investment in the United States and its role in promoting productivity growth. Last year, the Senate passed a bill that included a provision for public investment, and I am hopeful that this year we will see similar progress.

Looking at the chart showing projected aggregate demand, we see that the government's role is crucial in maintaining a steady growth in productivity. Without the government's support, productivity growth would be much slower.

In conclusion, I urge my colleagues to support the Senate's efforts in this area. The future of our economy depends on it.

Mr. President, I am pleased to see the support of my colleagues in this important endeavor.

The Senate has always been a leader in promoting productivity growth, and I am confident that with our continued efforts, we will see significant improvements in the years to come.

Thank you for your attention to this important matter.

S 1326

Mr. Byrd (for Senator Hatfield) said: Mr. President, I rise to address an issue that has been on the minds of many Americans. This is the matter of education funding in the United States. Last year, the Senate passed a bill that included significant funding for education, and I am hopeful that this year we will see similar progress.

Looking at the chart showing projected educational funding, we see that the government's role is crucial in maintaining a steady growth in educational outcomes. Without the government's support, educational outcomes would be much lower.

In conclusion, I urge my colleagues to support the Senate's efforts in this area. The future of our economy depends on it.

Mr. President, I am pleased to see the support of my colleagues in this important endeavor.

The Senate has always been a leader in promoting educational outcomes, and I am confident that with our continued efforts, we will see significant improvements in the years to come.

Thank you for your attention to this important matter.
February 7, 1992

CONGRESSIONAL RECORD — SENATE

S 1348

Mr. LEYHAN. I yield the floor.

Senator FRAZIER of Wisconsin. Mr. President, the President's budget proposal for fiscal year 1993 contains some areas of concern that I would like to address.

The first area of concern is the proposed cuts in defense programs. The President's budget proposes to cut defense spending by $5 billion in fiscal year 1993. This is a significant reduction, and it raises questions about the long-term health of our armed forces.

Second, the budget proposes to cut funding for education by $2 billion. This is a major reduction, and it will have serious implications for our schools and students.

Finally, the budget proposes to cut funding for social programs by $3 billion. This is a significant reduction, and it will affect millions of Americans who rely on these programs for assistance.

I would like to urge the President to reconsider these cuts and to work with Congress to find alternative solutions that will protect our national security and our social programs. It is essential that we invest in our future and ensure that all Americans have access to the resources they need to succeed.
February 7, 1983

CONGRESSIONAL RECORD - SENATE
S 1249

EX10 (cont.)

February 7, 1983

CONGRESSIONAL RECORD - SENATE
S 1250

EX10 (cont.)
CONGRESSIONAL RECORD - SENATE

February 7, 1955

Mr. SMITH (of New York). The PRESIDENT proclaims that the National Economic Council has been created. The Washington Post, August 28, 1953, front page. By the authority vested in me as President of the United States by the Constitution and the laws of the United States of America, I hereby proclaim the establishment of the National Economic Council. This Council shall be responsible for the coordination and integration of economic policies and programs of the United States, and shall be composed of the heads of all departments and agencies concerned with economic affairs. The Council shall function as a clearinghouse for the exchange of information and the promotion of cooperation among the various governmental units involved in economic matters. It shall also be charged with the responsibility of recommending appropriate policy measures to the President and to Congress. Its membership shall consist of the Secretary of the Treasury, the Secretary of Commerce, the Secretary of Labor, the Secretary of Agriculture, and the Director of the National Bureau of Economic Research. The Council shall meet at least once a week, and may hold special meetings at the call of the President. The Council's decisions shall be non-binding, but the President and Congress are expected to give them careful consideration. This Council is a part of the broader effort to strengthen our national economic strength and security. The Washington Post, August 28, 1953, front page. By the authority vested in me as President of the United States by the Constitution and the laws of the United States of America, I hereby proclaim the establishment of the National Economic Council. This Council shall be responsible for the coordination and integration of economic policies and programs of the United States, and shall be composed of the heads of all departments and agencies concerned with economic affairs. The Council shall function as a clearinghouse for the exchange of information and the promotion of cooperation among the various governmental units involved in economic matters. It shall also be charged with the responsibility of recommending appropriate policy measures to the President and to Congress. Its membership shall consist of the Secretary of the Treasury, the Secretary of Commerce, the Secretary of Labor, the Secretary of Agriculture, and the Director of the National Bureau of Economic Research. The Council shall meet at least once a week, and may hold special meetings at the call of the President. The Council's decisions shall be non-binding, but the President and Congress are expected to give them careful consideration. This Council is a part of the broader effort to strengthen our national economic strength and security. The Washington Post, August 28, 1953, front page. By the authority vested in me as President of the United States by the Constitution and the laws of the United States of America, I hereby proclaim the establishment of the National Economic Council. This Council shall be responsible for the coordination and integration of economic policies and programs of the United States, and shall be composed of the heads of all departments and agencies concerned with economic affairs. The Council shall function as a clearinghouse for the exchange of information and the promotion of cooperation among the various governmental units involved in economic matters. It shall also be charged with the responsibility of recommending appropriate policy measures to the President and to Congress. Its membership shall consist of the Secretary of the Treasury, the Secretary of Commerce, the Secretary of Labor, the Secretary of Agriculture, and the Director of the National Bureau of Economic Research. The Council shall meet at least once a week, and may hold special meetings at the call of the President. The Council's decisions shall be non-binding, but the President and Congress are expected to give them careful consideration. This Council is a part of the broader effort to strengthen our national economic strength and security.
I am Cayetano Sonny Gerardo. First I want to take this opportunity to thank you for affording me to speak on the Draft Environmental Impact Statement for the Strategic Target System Program proposed for Barking Sands, Pacific Missile Range Facility, Kauai. Although I am employed by the County of Kauai and a public official, my testimony is given as a private citizen. I hope that despite the many people who have spoken before me, my input will be worthy for you in your decision-making capacity in determining what will happen with the STARS program on Kauai. I am hopeful that my testimony will not be too repetitive with other testimonies and that you will find materials in my testimony which can be useful for you in aiding decision-making.

Tonight what I offer in testimony is in regards to everyone's concerns, and that is PUBLIC SAFETY and the need to assure their safety and protection regarding this proposal. People believe that your proposal has risks for them and I agree, but despite these risks I think that the risks should be weighed along with the benefits of your proposal. Tonight I am not here to clarify the need to retain the nation's National Defense and Security strong to protect our freedom and independence because I have strong convictions that you will provide this to us; I am not here also to explain why research and development to keep our military's technical capabilities as strong and best as it can be because I am confident that you will explain this too, and finally, neither am I here to destroy your credibility because you choose to retain our nation free from foreign powers who want to destroy us. I am here, however, to address the need for PUBLIC SAFETY and the need for EMERGENCY CONTINGENCY OPERATIONS CAPABILITY just in case it is needed because of an accident during launch operations.

Before I proceed with the primary theme of my testimony, permit me to remind everyone that without the STARS Program and its associated hazards, Kauai now faces daily dangers. These potential hazards are necessary however, because without it, our environment would be threatened and perhaps destroyed and us along with it.

Sewage Treatment Plants provide potential dangers for all of us because of the amount of chemicals needed to operate the various plants throughout Kauai. Chlorine is dangerous when released into the atmosphere but when controlled, it provides an agent to keep our environment clean and free from affluent. Despite the hazard however, we permit it to exist on Kauai because of the benefits we get back from these sewage treatment plants.

While it may be unfair to compare a Sewage Treatment Plant with a STARS Program, I am making a point in that both examples have risks associated with it and both also have benefits. The major difference in both examples is their magnitude of impact. The sewage treatment plant have a benefit to only us on Kauai while a STARS Program benefits the nation as a whole and possibly the world. We must remember to maintain the same standards of public safety and emergency operations to both examples above, however because if we still maintain that the sewage treatment public safety concerns are acceptable to us, then we must also logically assign the same public safety standards to the STARS Program.

National Defense and Security is critical to all of us. Our way of life, our liberty and our pursuit of happiness guaranteed by our U.S. Constitution would be in jeopardy should our national defense and security be weakened. What we know as the American Way of Life will no longer exist for us and I don't believe that anyone here accepts this risk. Yet when programs to protect this is proposed, there are those who are narrow minded enough to believe that what it takes to preserve it is too risky. War is hell, there is no doubting that, too many human lives have been destroyed in protecting our liberty and freedom in the past. I am confused as to why our forefathers and ancestors have given us our liberty and freedom, because there are those who do not want to retain it any longer or are naive enough to believe that it will never be taken away from us.

Earlier I have promised to speak on PUBLIC SAFETY and EMERGENCY MANAGEMENT PROCEDURES associated with the STARS program and I will keep to that promise. The initial launches which was first presented to us was that there would be four (4) launches a year. I believe that I have read somewhere that more launches are to be added. Despite the increase in the number of launches, the factor of safety remains the same and that is "the safety of the people should have a high priority. We need to be assured that our
basic safety will be guaranteed. I feel that reasonable risks are acceptable and that we can depend upon the Army and those others involved with the program to provide maximum protection for us during the planned launches at PMRF Kauai Test Site. I don’t believe we can accept HIDDEN AGENDAS from the military. Hidden Agendas have been common in the past, and I believe that those in opposition to the program remember these past mistakes of the military. I believe that they are opposing the STARS program because they still believe that the program is linked with NUCLEAR ARMS. They don’t trust you and they will continue to mistrust you until you restore their confidence and trust.

To be sure, I have read your DRAFT EIS and find that all of the concerns regarding safety and emergency procedures are in-place and adequately address the people’s concerns for public safety and emergency operations. Dangerous fuels that are to be transported will be minimal and should it occur, adequate precautionary procedures are planned. I am confident that you will reduce any emergency situation to a minimum.

The hazards at the launch pads are also adequately addressed. I remember that as an employee at the PMRF in the 1980’s and early 1970’s PMRF conducted rocket launches then. The number of rocket launches were about the same as is being planned now or perhaps a few more launches. Safety was adequate then and I believe that it is still adequate today. Technological changes have occurred throughout the years, and I believe that these changes have caused improvements in public safety operations also.

What I have touched upon in my testimony are issues that I believe to be the real issues for the STARS program. Other topics have been introduced and required to be investigated by you through the means of the EIS. These topics are a distraction from the real issue. To me, I believe that PUBLIC SAFETY CONCERNS and whether or not EMERGENCY RESPONSE procedures are in-place in case of an accident which requires emergency services during your launch operations and I believe these are the only real issues. I strongly feel that your proposal of launching from the PMRF Kauai Test Site is necessary for our National Defense and Security and therefore should be approved to go ahead.

Secondary concerns regarding the environment are also important, but I believe that these concerns are adequately addressed in your draft EIS. I also am concerned about all living things and that they should be protected also. The ecosystems in which our living system depends upon is also precious and should be preserved. Your draft EIS, however, have addressed these concerns adequately. I am convinced, however, that there will be those who will disagree with my opinions but it is okay because this is what make our country great. We have the right to disagree because reasonable people do not agree all of the time but disagree in many topics and subjects. I listen to their arguments and rationale and I am hopeful that they too, are reasonable people and would allow me my right to speak my mind and opinions. After all, I believe that this is the reason why research and development is being proposed here, and that is to retain our right to be free in mind and spirit.

Members of the panel, I appreciate this opportunity to have spoken my thoughts and my feelings. I sincerely hope and pray that the decisions to be made regarding this STARS program will be allowed to continue. My children and their children after them depends upon having a free nation to exercise their freedom and to express themselves without the fear of reprisal when they do. By my work in emergency management, coordination involve mitigation and I believe that the military has demonstrated their capabilities in safety management and emergency procedures. After all, I have worked with some of you in our disaster in 1982.

Many believe that the cold war is now over and I agree. Despite this however, I also believe that world tension is still with us and is still a problem. The problems in the middle east will not merely fade away to be forgotten. Saddam Hussein is still around to restart warlike conditions for the world. We cannot relax our preparedness in maintaining our national defense and security.

Last I be misunderstood, let me say that I too fear war and the threat of what it brings to the world. The many lives that has to be given as in past wars are useless and stupid. However, when our lifestyle and freedom is threatened, we must take every means to make an attempt to preserve it. I also love life and I want to
go on living because I believe that life is beautiful. I also love my peace and freedom as much as anyone here tonight. I am also a realist in that I can appreciate what has given us this freedom and ability to pursue our happiness. I also don't object to people working for their livelihood and if people are being threatened for the possibility of losing their jobs, I believe that this is unfair.

I believe that the most unfortunate aspect of the resistance regarding your proposal of rocket launches on Kauai stems from people's fear of your hidden agendas. In the past, hidden agendas were natural expectations from the military. I point the secret project on Kauai during the Vietnam war period. Agent Orange were being tested on Kauai without anyone knowing of the tests. Those who had knowledge about the project did not reveal it to anyone. While I am aware of the concept of NEED TO KNOW, I am also aware of the need for divulging information that is necessary for the public to know. Minimal information regarding the project could have been told to the public without causing any panic at that time. However, because hidden agenda is a natural aspect of military operations, nothing was said to the public regarding the project. This is a prime example of why the public fear any project that involves the military. I almost guarantee you that people's fear in the launches are basic to their fear of nuclear arms.

With the above statement, I suggest that somehow to gain the public's trust, you will need to build many fences. You will have to show us that the military are credible people.

March 23, 1992

TO WHOM IT MAY CONCERN:

I am Edward Kawamura, President of the Kauai Veterans Council and regret that I cannot be here tonight to testify on behalf of the Kauai Veterans Council as we continue to support the STARS program. As we are all veterans of the previous wars in which we all gallantly fought, we can see what it is not to be prepared.

As the United States Navy pulled out of Subic Bay, even the people of the Philippines were sad as they knew it kept enemy countries away from them. Unfortunately, we will be unable to protect ourselves. I still say we are the silent majority, as the vocal ones are at it again.

Thank you.

Edward Kawamura, President
Kauai Veterans Council
WE ARE AGAINST ANY OF YOUR FASCIST ACTIVITIES ANYWHERE YOUR STAR WARS PLAN IS BARBARIAN. TO USE REAGAN'S WORDS. GO WATCH THE MOVIE AGAIN — YOU MISSED THE END.

MICHAEL SOSSMAN
ANAHEIM, KAUAI

It's disturbing that many of the PMRF employees are displaying obscenity and immaturity tonight. Also, several of them are smelling of alcohol, which must explain their actions, being that PMRF hires redundant employees. One particular man was threatening an older woman earlier, and using obscene language. I don't know what you can do to stop it, but please remind these people that they are representing PMRF in an extremely negative fashion.

Matthew Kaepa, Jr.
4676 Mailihele Rd.
Kapaa, HI 96746
822-1963
Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

THANK YOU FOR HOLDING THE PUBLIC HEARING.

I AM OPPOSED TO STAR WARS/MISSILES ON KAUAI.

HOW MANY TIMES DO WE HAVE TO SAY THIS BEFORE THE GOVERNMENT LISTENS?

Name: MARY MULHALL
Address: 1840 A CRUSZY, KAPAA, HI 96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
Kauai citizens call for a moratorium on missile launches to Kawaiaha'o Atoll.

Sirs,

We are totally against Star Wars activities on Kauai. The issue of our ozone must be addressed!

Quoted: Sussman

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

It's for our kids. Not to have Star Wars. It's for the environment and not to pollute the air and ocean. NO STAR WARS ON KAUA'I.

Thank you for thinking about us kids.

Name: Kyle Lauser

Address: 246 Molo St.

City/State/Zip Code: Kapa'a 96746

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
NO ROCKETS

Name: P. Langford
Address: 10525 Hanalei
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

NO ROCKETS

[Peace symbol]

Name: Sunshine

Address: 1418 S. Green Rd. P. O. BOX 99701

City/State/Zip Code: [Blank]

Please hand this form in or mail by April 13, 1982 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.L. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

ARIFA - SINCE I WAS A LITTLE KID (I WAS BORN IN 1950) I'VE BEEN THINKING ABOUT STABILITY AND ALL THE WAYS WE ARE HURTING OURSELVES, SIMPLIFYING OUR LIVES, AND PEACE ... I THINK, IF YOU STAND TOGETHER TO FIND OUR ENGOVERNMENT ALL HAPPY AND NOT WALK - STILL A RED CROSS PLAYS THE SHELTERS AND THAT IS A SMALL FRACTION OF ONE PROBLEM - THERE IS NO SIMPLIFIED BY OUR GOVERNMENT (WHO WE LOOK TO AS OUR LEADERS AND EXAMPLES) AND PEACE AND ECONOMY SEEM FURTHER AWAY THAN EVER, EVEN OUT OF GRASP.

Is this country focused on what it needs?

Name: SHEFALI L. WADIA

Address: 2000 AL 169, HAMILTON AL 35749

City/State/Zip Code: [Blank]

Please hand this form in or mail by April 13, 1982 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.L. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

NO ROCKETS

Name: Amanda Dean
Address: Ewa, HI

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I say 'no' to stars on Kauai.

It is born of a mentality that is anything but humane or self destructive. In the name of profit or country or defense, we have caused a great deal of suffering and death, both among the innocent and the guilty.

An admiration to love one another would be better served by a new approach. Love.cooperation and giving compromise, not the peace of God, triumphs now the desire of man.  

Name: Kim Jones
Address: Box 475, Waimea, HI 96796

Please hand this form in or mail by April 13, 1992 to:
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallein)
PO Box 1500
Huntsville, Alabama 35807-3801

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TESTIMONY FOR THE STARS DRAFT EIS REVIEW

Thank you for allowing me to submit my written testimony for the DRAFT EIS for the STARS launches.

I support the STARS Program and the Pacific Missile Range Facility. I have reviewed the Draft EIS for the STARS program and I am convinced that there would be no significant impact caused by the STARS launches.

In fact, I am convinced that a far more negative impact is the island of Kauai and the State of Hawaii will occur if the protagonists to the launches are allowed to stop STARS launches from taking place.

The commanding officer of PMRF has said that the STARS program provides a portion of the budget for PMRF, but that PMRF will not be affected if the STARS program were not there. I DO NOT AGREE.

First, the CO is a military career person who is at PMRF for a short time only, and he will be moved to another assignment when he leaves Kauai. I am convinced that the CO is parroting what his superiors direct him to say. I am also convinced that he has no vested interest in the people of Kauai, especially those who have given many years of their lives in support of programs at PMRF and the entire populace which would feel the economic impact if PMRF were to close.

My reason for concern is that this case has the potential to be like that of the old story: "For want of a nail the shoe was lost, for want of a shoe the horse was lost, for want of a horse the battle was lost, for want of the battle, the war was lost."

I BELIEVE THAT THE PEOPLE PROTESTING THE EIS HAVE AS THEIR LONG TERM GOAL THE CLOSING OF PMRF, AND STOPPING THE STARS MISSILE LAUNCHES IS JUST THE FIRST STEP!

As a concerned citizen of Kauai, I wish to go on record in SUPPORT OF THE STARS MISSILE LAUNCHES and the Pacific Missile Range Facility.

Annette H. Hazlett
PO Box 366
Waimea, HI 96796
(908) 336-9868
Deputy Commander
U. S. Army Strategic Defense Command
Attention: CSSD-EN-V (D. R. Gallien)

Dear Sir:

On the subject of the launch of strategic target system vehicles from Mala on Kaua'i, I suggest that not enough attention has been paid to the significant impact which will be made on the cultural resources found within the installation. I quote from page Es-3 of the Executive Summary of the Draft Environmental Impact Statement for the Strategic Target System:

CULTURAL RESOURCES
The entire land area of KTF (Kaua'i Test Facility) and PMRF (Pacific Missile Range Facility) could be considered archaeologically sensitive because of the cultural resources found within the installation.

As well as the cultural resources found within the area, a body of written literature exists which confirms the value of the entire area, as was discovered by Aheha Kaohi and Kalani Flores when they contracted to research the area.

Furthermore, there will certainly be a demonstration by persons of Hawaiian descent who in January 1993 will be marking the 100th year of injustice arising from the overthrow of the Hawaiian monarchy, and the breach of trust committed by the Federal, Territorial and State governments. Organizations such as Ka Lahui Hawaii and others devoted to the concept of self-determination for Hawaiians and management of our own land are very much interested in the Kaulua of Waimea in which the PMRF is located. The status of that land on which the Kekaha Sugar Plantation now exists, as well as the PMRF is in question.

I personally am inclined not to deny the existence of PMRF as long as Hawaiians are allowed a corridor to the sea from which subsistence can be gained. PMRF seems to have been a good neighbor and a good source of employment for Kaua'i people, but by their existence there irreparable damage has already been done to the cultural resources.

However, the expansion of use of the area by the Strategic Defense Command for a stated period of ten years is an intolerable extension of intrusion into an area which was leased to the PMRF. And like the legendary camel which got its nose into the tent, the first thing you know he'll have the whole tent. The people of Waialaein may or may not have been given the courtesy of an EIS but we here on Kaua'i have certainly been granted that favor and I, for one appreciate the favor but reject the proposition that we be the hosts of a questionable venture which will not preserve the quality of life most of us on Kaua'i wish to have.

Finally, we no longer have the united might of Russia to worry about, but we are in a much more dangerous position as regards the whole world situation since now, instead of facing the predictable we are facing the unknown. I suggest there might be a better way to spend our tax money on defense.

[Signature]

March 24, 1992
1820 Omao Road
Koloa, Kaua'i, Hawaii 96756
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I have not had an opportunity to study

in detail. I have been listening to the speakers

here on this issue. We are making an

improvement in our strategic planning. I can reassure you that we have been

in recent years of cutting their necessary

needs. I believe that this basic idea

should be continued until now and in

necessity for our future viability. I"m not

sure that this issue will be significantly increased

in the future unless the DOE's program

I have a strong belief that the cost of this system is not

sufficient as has already been addressed.

Name
BARBARA JARVIS
Address 5644 Hailea Rd. Kapaa HI 96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSS-LNV (D.R. Callien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

by many of the people and in

many other parts of the United States.
This study should be done by a

totally impartial panel.

Thank you for taking the
time to listen to us.
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

As a citizen of this country and a resident of Hawaii for 14 years, I feel this missile testing is too risky for its benefits. It's time for our energies to collectively focus on peace — and it should be upheld right in our own neighborhoods and communities. Now is the time to save our planet we've done too much damage to. Please listen to the voices of all the people who want to make a difference for our environment. The testing of the missiles here do not promote our care for our Mother Earth, no caring!

Name: [Redacted]
Address: [Redacted]

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
March 25, 1992

Deputy Commander
U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3001

Attention: CSSD-EN-V (D. R. Gallien)

Re: Strategic Target System Draft Environmental Impact Statement

Dear Sir:

A family whose breadwinner is out of a job, deeply in debt and learning to exist on unemployment benefits must quickly learn to prioritize spending. It is not difficult for them to separate their basic needs from luxuries and to spend accordingly in order to survive. We as a nation are like that family. We are in a recession with a record deficit and must learn to prioritize. We must learn to spend on only our most basic needs and not on luxuries that we cannot afford. STARS is such a luxury. It is an unnecessary expense. We are in peace, not war. The only nation that has the capability of long range missiles is now no longer an enemy but a friend. That nation is itself, according to a recent article in the Honolulu Advertiser, considering stopping all missile testing due to ozone depletion, which is a worldwide concern.

As to ozone depletion, we here in Kauai, are already experiencing ozone depletion. We cannot afford to have it further depleted by STARS. It cannot be restored once it is depleted. We cannot subject ourselves to the danger such a depletion would engender to ourselves, our family and friends. Also, our tourist industry would cease exist if that happened, as our island would no longer be fit to live on, let alone visit.

The EIS does not address what would happen in the event of an accident. What are the measures that will be taken if a missile misfires or goes on an incorrect trajectory. What if it hits Nihiaw, or falls over a populated area of Kauai. The greatest casualties our nation suffered in Operation Desert Storm was from our own Patriot Missiles and the debris that fell on the barracks containing our men and women in the service of our country. This could be our island and our people here in Kauai and Nihiaw.

Lastly, although the Marshall Islands is not part of our nation, it is a friendly island nation that we have damaged and will continue to damage with STARS. They do not deserve this. They have treated us as friends, and we have repaid them with inhumane treatment and apartheid. If you have not seen the film "Home On The Range", please do so. It is a testament to our failure as a nation to respect another nation and its people. We take pride in our nation and feel we are compassionate people and follow the Golden Rule to treat other nations as we would be treated. Yet, here we are the bully, and as an American I am ashamed.

I ask that you consider these words and act accordingly, with good conscience, as to what is in the best interest, not only of our nation, but all nations on this planet earth.

Thank you for allowing me to share my concerns.

Sincerely,

Carmela Tuck
P.O. Box 276
Koloa, Kauai, HI 96756
(808) 742-9618
March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up the count.

[Signature]

Print Name: James Lauer
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

We do not need more depletion of
Oxeye due to these rockets over Kauai.
We do not need the military "hurting
up" botched launch.
We do not need the noise debris
of site brought here by the military.
There are too many people to allow
skin cancer all ready on this island. Don't
add to the list of ailments being
the by-products of these missiles.
DON'T RUIN KAUA'I!
NO MISSILES!

Name  Cat Shepherd RN
Address P.O. Box 828 Kapaa HI 96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callan)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

As a family on Kauai I want
look at long term effects.
We do not want to be a gull
by the military who has
tried on several occasions to slip
START base with out letting
the public know.

Name P. Crawford
Address 1828 1210 Kamehameha Ave Hilo HI 96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callan)
P.O. Box 1500
Huntsville, Alabama 35807-3801
MEMBERS OF THE PANEL, LADIES AND GENTLEMEN. MY NAME IS WILLIAM T. HONJIYO AND I REPRESENT MYSELF AS AN INDIVIDUAL. I WAS BORN AND RAISED HERE ON KAUAI AND CURRENTLY, I LIVE ON THE WESTSIDE, IN HANAPEPE. I AM A BUSINESSMAN AND FORMERLY A U.S. ARMY OFFICER WITH THE RANK OF LT. COLONEL. I AM A CONSCIOUS VETERAN WHO HAS BEEN AWARDED THE SILVER STAR MEDAL FOR GALLANTRY IN ACTION, PLUS I HAVE NUMEROUS OTHER AWARDS FOR VALOR AND MERITORIOUS SERVICE. I DO QUALIFY AS A RESIDENT OF KAUAI AND A PATRIOT WHO BELIEVES IN THE IDEALS OF OUR COUNTRY.

FOR THE RECORD, I AM IN FAVOR OF THE STRATEGIC TARGET SYSTEM. I DO BELIEVE THAT OUR NATIONAL DEFENSE SHOULD ALWAYS BE "SECOND TO NONE."

I AM CONCERNED WHEN THERE IS AN ORGANIZED MOVEMENT OF PEOPLE AND MONEY FROM THE OUTSIDE TRYING TO NEGATIVELY INFLUENCE OUR NATIONAL DEFENSE AND THE LIVELIHOOD OF THOSE WHO ARE PRESENTLY GAINFULLY EMPLOYED WITH THE PACIFIC MISSILE RANGE FACILITY. THOSE TO WHOM I AM REFERING, I WOULD SAY, "YOU ARE FORTUNATE FOR THERE WAS A STRONG MILITARY FORCE THAT FUGHT FOR YOUR FREEDOM AND FREEDOM OF SPEECH. HAD THIS BEEN 30 YEARS AGO, YOUR ACTION MAY HAVE BEEN CONSIDERED TO BE SUBVERSIVE."

I HAVE READ THE DRAFT E.I.S. DATED FEBRUARY 1992 AND AGREE WITH THE FINDINGS THAT ANY IMPACT IS NOT CONSIDERED SIGNIFICANT. I DO BELIEVE THAT THE MILITARY HAS DONE AN EXCELLENT JOB IN PREPARING THE E.I.S. AND THAT WE SHOULD ACCEPT THE FINDINGS AS PRESENTED.
I believe in a strong United States of America and the benefits that the strategic target system project will provide for our economy, not only on Kauai, but for the state of Hawaii. The economy of Kauai is at stake. A military post or station cannot survive without a mission. Let us not fool ourselves. Base closure needs a slightest reason because of budget constraints and other installations ready to take on that mission. We need to realize our economy on Kauai needs the Pacific Missile Range with its added mission.

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I fully support the STS program and feel that the EA / EIS addressed all environmental, health, socioeconomic impacts on Kauai.

Let's get this ball rolling. We go!

Name: [Signature]

Address: P.O. Box 42, Kauai, Hawaii 96732

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.A. Gallem)
P.O. Box 1500
Huntsville, Alabama 35807-3801
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I support the星星 SIS.

I think that the representation for
the people of any service "Kaan" is a
rarity as long as the personal nature it
comes to SDT (see Stars) quali for SIT.
We also have been in the south pacific
during war and realize the work had been
put out on TV about the StarsSIT and
the simple people in the area of "Kaan" the war in 92 they
didn't have StarsSIT and some good
shots and they are expecting more
35 year war to begin.

Name: RODNEY MOURA
Address: 4259 KAANA ST. LILUE, HI. 96766

Please hand this form in or mail by April 13, 1992 to:
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3601
Deputy Commander  
U.S. Army Strategic Defense Command  
Attn: CSSD-EN-V (D.R. Gallien)  
P.O. Box 1500  
Huntsville, Alabama 35807-3801  
P.O.B. 189  
Anahola, Kaua'i  
25 March, 1992

I attended the first round of hearings on the Army EIS last night not intending to speak, but after I went home I thought about what people on both "sides" (if you want to divide our community in that fashion; I do not) had to say. As someone who has had both friends and family in the service, and who probably would have enlisted had there been better jobs offered to women when I was of age to sign up, I have always admired the military ideals of selfless dedication, courage and integrity. As a ten-year resident of Kaua'i, I also appreciate the contributions and concerns of my fellow-citizens who work at Pacific Missile Range Facility. I know that they are honest, intelligent people and good neighbors. I probably would support the STARS program if I felt that its elimination would imperil either our local economy or our national defense.

What I have learned from my study of the question, however, is that not even those who have the most to gain from implementation of this program completely agree as to its worth. I have heard disagreements between members of the armed services about a) the technology itself, b) the consequences to PMRF and c) the long-term and wide-range effects of STARS on our national defense. Is it wise for ordinary citizens like myself uncritically to support a program that even the experts argue about?

This concern alone would be enough to convince me that you should not press forward at this time. Other matters, unaddressed by the present EIS, also prompt my disquietude.

I know enough about world history and current events to know the necessity of a strong defense and the precariousness of the present world situation. I also know, however, that no national defense can long shore up a society that is not in full possession of its moral faculties.

It has often been said that one measure of a nation's or of a culture's strength is its treatment of its weakest members. Pacific Basin cultures have a long and not very illustrious history of ill-treatment of their weakest: ethnic minorities and untouchables in Japanese society, kaau in ancient Hawai'i, to name only two. Now we can add Pacific islanders, Micronesian and Hawaiians, to this sad company.

Does this have to be? Cannot we learn enough of the lessons of history to stop this? How can we defend our nation by trampling on the lives of its people? How can we secure the homes and families of Kaua'i's citizens by destroying those of Kwajalein's?

What I propose is that you postpone the STARS program until the grievances of this country's powerless ones have been healed. I also propose that the money, technology, and expertise presently allocated to STARS be redirected to help the people of Kwajalein regain their homes, and to help native Hawaiians on Kaua'i re-establish theirs. I have heard testimony from employees of PMRF who are experts in environmental science, engineering, and construction. Why not offer them jobs rebuilding Kwajalein, constructing homes for Hawaiians on crown lands presently used by PMRF, or restoring the Nohili marshlands to something like their prehistoric condition? Isn't any of these projects as great a moral, technical or intellectual challenge as STARS? Don't our people, our workers, deserve jobs worthy of their talents and skills, and don't our citizens, ALL our citizens, deserve the blessings of home and family? I ask that you re-consider allocation of our precious national resources to a program of questionable value to our national defense, and instead assign them to works that will unquestionably benefit those who most deserve their fellow-citizens' compassion and help.

Heu'ionalani M. Wyeth
March 24, 1992

Deputy Commander
U. S. Army Strategic Defense Command
Attention: OSD-ED-V
Post Office Box 1500
Huntsville, Alabama 35807-3801

Dear Sir,

I am writing regarding the proposed STAR launches on the island of Kauai which is my home to urge you to seriously consider the no action alternative which would allow PMRF to continue its present operations and missions and would not impact our island adversely as will the proposed STAR deployment.

In my earlier communication to you and public testimony I urged the army to be as sensitive to the religious sensibilities of the native Hawaiian people as they were, then, toward the Islamic shrines in Iraq. Mokii Dunes is the jumping off place to Po, the afterlife in the Hawaiian cosmology, and the only such place on this island. The area is therefore sacred religiously and it is important both culturally and sociologically to the local Hawaiian community.

Almost one hundred years ago the United States, having economic use for these islands collaborated with a cadre of American businessmen and disenfranchised the majority of the local population, voted itself in and took over this sovereign land of many islands by bringing in the Marines and imprisoning the Queen. Fifty years ago (or thereabout) the U.S. took Kahoolawe for its own to bomb at will for a test site. Now the government wants to take our island and put it at severe risk in order to "use" it.

We are tired of being used. The vast outpouring of vocal opposition has certainly been heard in Huntsville and in Washington. Yet, in a government of, by and for the people, the voices of the people directly impacted are being ignored. Unfortunately, I truly believe these initial proposed launches are only the beginning of a long term plan that will greatly enlarge the army presence on our small piece of land. I base this fear in part on a news article.

The Sunday March 8, 1992 edition of the Star-Bulletin & Advertiser informed us that "Hawaii may be one of seven states to host a Strategic Defense Initiative station if Congress approves the system next year." The article continues: "For Hawaii, the plan would mean a land-or ship-based Star Wars installation, including a giant radar system, and possibly 100 rocket interceptors that could destroy incoming missiles, according to the
The League of Women Voters of Hawaii to U.S. Army, 3.24.92, p. 2

We of the League of Women Voters of Hawaii are particularly distressed that Hawaii has been used in SDI activity and may be further enlisted for ten years through the proposed STARS program that may specifically negate the ABM Treaty. Defiance of the ABM Treaty will cost billions sought for weapons that violate it, as well as the safer world we seek. And now you want an SDI system installation in Hawaii.

The U.S. must reduce its readiness for and use of military force in international relations in this special moment of opportunity to de-escalate the world arms race. If missiles, why space-based, which are far more expensive and more prone to disaster than ground-based systems like the Patriot? You know SDI has been nine years and $20 billion of failures.

Since PMRF is an outer Hawaiian land, and the nation of Hawaii was oberasized with an illegal U.S. military act why not use the $150 million not to put our island and our peace and health at risk, but to build homes for Hawaiians who are homeless and those that have been waiting for years—as a Centennial reparation?

Thank you.

Deborah Kana'i
Unfortunately, the Army now takes the position that, unlike all other EIS documents prepared under the National Environmental Policy Act ("NEPA"), the Final EIS for the STARS Program is completely immune from judicial review. According to the Army, this EIS is purely voluntary and gratuitous, and therefore cannot be challenged by any citizen in a judicial proceeding, even if the Final EIS violates NEPA. In taking this position, the Army ignores both the fact that this EIS is not truly "voluntary" (rather it was mandated by Congress) and the fact that Congress envisioned that the EIS be legally adequate and defensible under NEPA.

In essence, the Army is seriously misleading the public. On the one hand, the Army assures the public, the State of Hawaii and Congress that it is fully protecting their environmental, social and cultural concerns by doing a full EIS under NEPA. On the other hand, since the Army contends that this EIS will not have to undergo the rigorous scrutiny of judicial review contemplated by NEPA, the public's concerns and rights are not in fact being safeguarded in the manner prescribed by NEPA. This duplicity thoroughly undermines the STARS EIS process: the Army can violate (and is violating) NEPA by preparing a deficient EIS, but the Army asserts that no citizen can challenge or remedy these deficiencies through the legal process set up under NEPA.

In sum, the Army's position that this EIS cannot be challenged in a court undermines the credibility and integrity of the document. Your paternalistic "plantation owner" mentality ("trust us -- we will look out for your interest without any need for judicial review") is not only out-of-step with modern Hawaii, but it also defies the explicit commands of Congress. Finally, and perhaps most importantly, this novel position has not one shred of statutory or case law authority to support it. By taking this position, you are virtually inviting a lawsuit to preserve the rights of Hawaii's citizens to vindicate their important rights under our nation's environmental law.

The second legal point we raise here relates to your obvious failure to discuss and analyze a full range of alternatives to the launching of rockets from Kauai, as required by NEPA. Unfortunately, in its Draft EIS, the Army chose to limit its discussion of alternatives to consideration of the "no action" alternative and to alternative launch sites.

The proposed STARS program, which integrates retired booster motors and a substantial number of newly developed subsystems, has not been tested and is currently in the experimental stage. The Polaris booster motors -- currently being proposed for use in the STARS Program -- are over 20 years old and exhibit characteristics typical of aging solid propellant motors. Aging may increase the likelihood of malfunctioning launches and accidents, thereby posing significant risks to
public health and safety. Testing and design reviews conducted by Sandia National Laboratories and Propellant Analysis Laboratory at Hill Air Force Base indicate that first- and second-stage booster motors showed significant signs of deterioration. Failure rate among the first-stage booster motors could be as high as 50 percent, due to deterioration of motor cases.

One of the alternatives that had previously been considered by the Army but was not included in the Draft EIS was the substitution of new or remanufactured booster motors for refurbished surplus Polaris A3 motors, which are currently proposed. This omission is a serious one, and we strongly recommend that the Army include all reasonable alternatives in its Final EIS, as required by NEPA.

Thank you for this opportunity to present testimony on the Draft EIS for the STARS Program. Please feel free to contact us if we can be of any further assistance.
March 25, 1992

United States Army:

My name is Ronald Kouchi, member and Chairman of the Kauai County Council, and I would like to thank the U.S. Army for pursuing an EIS for this project.

The County Council recently submitted a letter, which was signed by myself as well as the other councilmembers, to Hawaii's Congressional Delegation in support of the continued use of PMRF as a viable and strategic military training facility.

Further, the County council will be providing testimony in support of a proposed State Resolution on Friday, March 27, 1992, urging the President and Secretary of Defense to maintain PMRF as the United States' foremost missile range facility and requesting Hawaii's Congressional Delegation to do everything in their power to preserve the integrity and capability of PMRF.

As indicated above, I remain committed to support the continued viability of PMRF.

Sincerely,

RONALD KOUCHI
Council Chair

Name: MARC KUNZE
Address: P.O. Box 1174 KANAWA KOUUE NC
City/State/Zip Code: 96741

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-SN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
My family has been living on Kauai for 4 generations - 5 generations if you count my children. I am a Vietnam Era Veteran who served in Southeast Asia from August 1967 to August 1968 with the U.S. Air Force. I joined the Hawaii Air National Guard in October 1969 and presently serve as commander of one of the Hawaii Air National Guard units on Kauai.

As the senior ranking member of the Hawaii National Guard on the island of Kauai and a representative of all National Guard units on Kauai, the State of Hawaii and across the Nation, we acknowledge the outstanding work done by the Pacific Missile Range Facility at Barking Sands; and the outstanding support we get as members of the National Guard from all those who work at the P.M.R.F.

THANK YOU VERY MUCH!

It's hard to hit a moving target but that's exactly what Star Wars promises to do. I submit that the moving target is not incoming ballistic missiles but the ever changing goals of the Star Wars program itself.

Almost nine years ago to this date, on March 23, 1983, Ronald Reagan described his vision of "intercepting and destroying strategic ballistic missiles before they reached our own soil. $30 billion later, there's evidence that the Strategic Defense Initiative Office, saw the flaws all along—and knowingly masked the program's failures and oversaw its progress just to keep the money rolling in.

Aldric Saucier, chief scientist for Advanced Technology, concludes that Star Wars will never provide an impenetrable umbrella against nuclear missiles. Immediately after testifying before a senate subcommittee about gross mismanagement in SDIO Saucier was fired and then reinstated pending an investigation of his charges.

Defense Department advisers such as physicist Richard Garwin of IBM have pointed out that a perfect nuclear shield defied the laws of physics. Claims for SDI, says physicist Theodore Postol of MIT, have "proven to be false and made without technical or scientific merit."

Quietly, secretly, SDI did what might charitably be called "evolve." SDI lowered its sights in 1987 to discourage, not block, a massive Soviet missile attack. SDI switched gears again in 1990 with the introduction of Brilliant Pebbles. In 1991, SDIO conceded that Pebbles could protect America only against limited ballistic-missile attacks. Changing goals as it went along was central to what Saucier calls the main point of SDI: "to keep the research-and-development money flowing." That required secrecy. "If you keep all the technical data under wraps, it's easy to keep it funded."

After nine years and $30 billion dollars the Star Wars defense effort has "evolved" from providing an impenetrable defense umbrella into a bloated military pork barrel. Star Wars is nothing more than an expensive welfare program for the military-industrial complex. Let's get these people off the taxpayer's dole and put them to work doing something more productive than oppressing our brothers and sisters in the Marshall Islands.

Ed Coll
"I've been spit on by senior Army officers, shoved up against a wall, and elbowed in the head & the neck so hard that I had to get medical treatment," said in a interview last Friday. This is the treatment offered an American citizen who chose to speak against the Military/Industrial complex. They say he is incompetent. If it took 8 years to find this out who is incompetent?
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

My Name is Marion L. Sojka. I'm a resident of Kealakekua, Hawaii, and have lived there for the last 10 years. I have been disappointed in the way the Department of Defense has conducted its operations here. I believe that the Department of Defense should be more mindful of its impact on the community and the environment.

May 10, 1992

Address 10000 Kealakekua Road, Kealakekua, HI 96752

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-DEN-C (D.R. Calleja)
P.O. Box 1500
Huntsville, Alabama 35807-3001

I am D.M. Hart of Kona.

I am not here to talk at Lt. Col. Harris of the United States Army. I am here to tell you how my EYES!

There are many pressing issues we need to confront NOW.

EDUCATION:

STOP crime and drugs in the schools!

There are too many children who have never been alive.

How about our friends and neighbors killed every day.

How about birth defects?

Stop drug abuse and illegal chemical spills.

On my part, I do not support the Department of Defense.

I am a supporter of the Pacific Missile Range Facility (PMRF) and believe that it is an important asset for the country.

PMRF is not a business...

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PMR...
EX52

The Draft EIS has identified numerous significant impacts of the STARS program and a number of serious hazards. It lists actions to be taken to mitigate the effects and minimize the risks.

One of the ironies of all this is that they don’t need to use Kauai. There are many other ways to put those STARS payloads into the proper trajectory if they insist on continuing the program. One of the great failings of the Draft EIS is its failure to seriously address many of the alternative sites.

In particular, it is shocking to see the floating barges, fixed ocean platforms, and Nineteen III from Vandenberg options talked over for this precious island for a suicidal, dangerous, INSANE (EIS) program that we in the military don’t need.

The people of Kauai are not holding up ERLALS or the STARS program. They’re just asking that it be done some other way that doesn’t endanger their lives, their culture, their environment, and their livelihood. It is I who say, “Don’t do it at all.”

Do the writers of this DBS really expect us to believe that the joint Japanese, American, and Saipanese. If the island of Kauai didn’t exist, that there would be no STARS program, because no other alternative is even possible and worth evaluating? This glaring falsehood calls into question everything else in the document. The old days in the Pentagon, we had a description for a study like this one: an exercise you go through to justify a decision already made on political grounds. Nothing has changed in the last two decades.

Global Protection Against Limited Strikes (GPALS) can do nothing to protect the people of the United States from nuclear terrorism. If it was an international terrorist, and I finally got hold of a bomb, the last thing I would do would be to start a 15-year development program to build an Inter-Continental Ballistic Missile (ICBM) to deliver it. I would just flush it up the pipes of a barge, or put it in a washbasin, or melt it down, or put it in a washbasin, or melt it down, or put it in a washbasin, or melt it down, or put it in a washbasin, or melt it down, or put it in a washbasin, or melt it down.
Aloha, I am Linda Uluolah, one of the founders of Hui Holo Mauka ka Aina. I live in Waimanalo, less than 30 miles from the shore line. I thank God that I live on this beautiful island and secretly have had special reasons to thank Him for this. Being part of a democracy where citizen input is at least considered, I lived in Hawaii for three years when that country was fighting for independence from France. I lived in India for two years shortly after independence. From there I lived in Iran in the last part of the 19th century. England was under my mother's, my father's, and my brother's rule in Kauai. My brother is a sergeant in the army, the other is a sergeant in the air force, those things have all had a part in shaping my special family. I am opposed to the Stars Program for all of the reasons cited in the last two days tonight. The only argument I've heard for the Stars Program is that it is for defense and security. The defense argument has as many holes in it as your shoe heel is not. If the program were to proceed, the military would never find itself out of a comfortable planet. As a person who has almost never drunk alcohol, the daily ration I've ever seen a person drink is to live in comfort and health. How easy but difficult would a person endure that miserable existence?
EX53 (cont.)

WHAT GUARANTEES IF A FLIGHT HAS GONE WRONG, THAT IT WILL BE OVER THAT GROUND HAZARD AREA AND IN THAT FLIGHT SAFETY CORRIDOR? IT SEEMS OBVIOUS THAT IF A FLIGHT NEEDS TERMINATING THAT IT MIGHT VERY WELL BE BECAUSE IT WAS HEADED IN THE WRONG DIRECTION AND WOULD NOT, THEREFORE, BE WHERE IT WAS SUPPOSED TO BE WHEN GOING TERMINATED, OR WHAT OR WHO ELSE MIGHT ALSO BE TERMINATED AT THAT POINT? THIS IS A SMALL ISLAND AND IN FACT, DELICATE A BALANCE TO WITHSTAND SUCH IRRESPONSIBLE MAN-HANGLING.

1. TOO, WOULD YOU ALLOW PMRF TO CONTINUE ITS PRESENT PROGRAMS AND TO DECIDE IN FAVOR OF THE NO ACTION ALTERNATIVE.

EX54

1. [Handwritten Notes]

2. [Handwritten Notes]

3. [Handwritten Notes]

4. [Handwritten Notes]

5. [Handwritten Notes]
INTRODUCTION:

MY NAME IS LARRY AIWOH!
I AM A RETIRED U.S. AIR FORCE RADAR REPAIR TECHNICIAN
I AM ALSO A DISABLED VETERAN AND A MEMBER OF CHAPTER 5 OF THE DAY
MY LAST ASSIGNMENT WAS WITH THE 3208 TECH/FACILITY TEST GROUP
3208 TEST SQUADRON, AGW, GCI (AIRCRAFT CONTROL & WARNING-GROUND
CONTROL APPROACH, APSC 30520
THIS SOON WAS PART OF THE ARDC, AIR RESEARCH & DEVELOPMENT COMMAND
OUR MISSION WAS PROMINENT RANGE CONTROL AND SUPPORT FOR THE VARIOUS
TESTS WITH SUCH WEAPON SYSTEMS AS THE IN-99AB "BOMARC" MISSILE; THE
GREEN QUAIL MISSILE; HOUND DOG MISSILE; THE VULCAN ELECTRONIC GATLIN GUN
AS WELL AS SUPPORT TESTS WITH THE ARMY/LIKE AJAX & HERCULES ANTI-AIRCRAFT
MISSILES. I AM THEREFORE WELL AQUAINTED WITH ELECTRONIC WEAPON SYSTEMS.

AFTER LISTENING TO LAST NIGHT'S TESTIMONIES I WOULD LIKE TO MAKE THE
FOLLOWING COMMENTS AND RESERVE THE RIGHT TO MAKE MORE EXHIBITION STATEMENTS
COVERING A HOST OF TOPICS WHICH ARE GERMANE TO THE ISSUES AT HAND, BUT
BECAUSE OF THE PARAMETERS OF TIME LIMITATION OF THREE (3) MINUTES, I WOULD
LIKE TO ADDRESS MY CONCERNS IN LETTER FORM BEFORE THE APRIL 13 DEADLINE

VETERANS FEELINGS AND ATTITUDES:

ALTHOUGH I DO NOT SPEAK OFFICIALLY FOR THE VETERANS AND DISABLED VETERANS
OF KAUAI, I KNOW WE ARE THOROUGHLY SUPPORTIVE OF THE MISSIONS PERFORMED BY THE
TECHNICIANS AND AERO-SCIENTISTS INVOLVED WITH THE SDI PROGRAM CONDUCTED ON
PMRF, AS WELL AS THE OTHER TEST LAUNCHES AND DEFENSIVE EXERCISES IN THE TEST
AREAS ADJACENT TO THE BASE. THESE VETERANS HAVE SERVED THEIR COUNTRY LOYALLY,
AND GAVE OF THEMSELVES WHEN CALLED TO ARMS. SOME OF THEIR COMRADES GAVE THE
ULTIMATE SACRIFICE FOR THEIR LIVES.

THEIR DREAMS AND HOPES WERE THAT THEIR CHILDREN, AND THEIR CHILDREN'S
CHILDREN WOULD BE ALLOWED TO LIVE FREE FROM WARS, AND THE THREAT OF WARS.
HOWEVER, BECAUSE OF THE VARIOUS AVARICE AND VICES INNATE IN THE CHARACTER
OF MAN, THIS HAS NOT HAPPENED IN THIS CENTURY. THEREFORE, IT HITS OUR HOPE
THAT OUR COUNTRY'S SCIENTIST RESEARCH AND DEVELOPMENT TECHNOLOGY WILL
CONTINUE TO GO FORWARD AND DEVELOP NEW HIGH TECH WEAPON SYSTEMS THAT WOULD
PERHAPS BECOME A FORIMABLE DETERRENT AND AN UNBEATABLE BARRIER THAT
WILL FINALLY GIVE SOME FORM OF A GUARANTEE THAT CAN GIVE OUR DESCENDANTS
THE OPPORTUNITY TO LIVE IN PEACEFUL TRANQUILLITY, AND PURSUE HAPPIER FUTURES.
 FREE FROM THE THREATS OF WAR, AND THE FEAR THAT SOME NATION THAT IS CONTROLLED
BY SOME NEO-HEALTH LEADER WOULD LAUNCH A NUCLEAR HOLOCRASE UPON THIS NATION.

ANYONE WHO PRESENTLY BELIEVES THAT THERE ARE NO SUCH MONSTERS AS SUCH IN
THIS WORLD ARE NOT PRAGMATIC, NOR ARE THEY PAYING ENOUGH ATTENTION TO CURRENT
WORLD EVENTS THAT UNDERSCORE THE FANATICAL PERSONALITIES OF: KIM IL SUNG,
HIS SON AND SUCCESSOR KIM JONG IL, MUHAM KADARI, AND THE INFAMOUS SADDAM
HUSSEIN.
THE PATRIOT VS. SCUD MISSILE: Faye Uchida Testimony of 1991

YOU HEARD TESTIMONY LAST NIGHT GIVEN BY ONE OF OUR LEADING COUNTY ADMINIS-
TRATORS IN WHICH SHE QUOTED THE FIGURES THAT THE PATRIOT MISSILE WAS ONLY
EFFECTIVE 50% OF THE TIME, BUT THIS FIGURE MASKS CERTAIN FACTS THAT SHOULD
BE BROUGHT TO LIGHT:

1. THE PATRIOT WAS STILL IN THE PRELIMINARY STAGES OF RESEARCH & DEVELOP-
MENT, AND WAS THEREFORE NOT READY TO BE PLACED INTO THE OPERATIONAL
PHASE, BUT BECAUSE OF NECESSITY AND URGENCY OF THE SITUATION, IT WAS
PLACED INTO THIS PHASE ANYWAY!

2. THIS FACT UNDERSCORES THE FACT THAT MORE TESTING, MORE REFINEMENT, OR
IN OTHER WORDS, MORE RESEARCH AND DEVELOPMENT WAS AND IS NEEDED, AFTER
WHICH ALL CRITICS WOULD OR SHOULD BE SILENCED. THIS IN ESSENCE ONLY
STRENGTHENS THE CASE FOR SUPPORTING THE SDI R & D PROGRAM AT PMRF.
I DO NOT BELIEVE THE OPPONENTS CAN ARGUE THAT WE NEED TO BE PROTECTED
AGAINST THE POSSIBILITY OF AERIAL ATTACK BY EITHER ICBMS OR IRBM
MISSILES.....WE NEED A THIS PROTECTIVE UMBRELLA THAT THE SDI PROGRAM
WILL EVENTUALLY MAKE AVAILABLE.

3. GIVEN THE FACT THAT THE PATRIOT WAS NOT ACTUALLY READY TO GO TO WAR
IN THE PERSIAN GULF LAST YEAR, BUT WAS STILL ABLE TO BE PLACED INTO SERVICE AND
PREVENT MORE LOSS OF LIVES THEN NOT PUTTING IT INTO OPERATIONAL USE.
BECAUSE OF THIS SCORCH-RECORD PERS. BUSH WENT TO THE FACTORY THAT PRO-
DUCED THESE ANTI-MISSILE MISSILE WHERE HE FORMALLY THANKED THE WORKERS
WHO PRODUCED THEM FOR THEIR SERVICE TO THE NATION. THE WORKERS THEN
SAID TO HIM: "WELL, OUR WORK IS NOT DONE YET".

Therefore, please put little to no credence in what she contended in her
TESTIMONY. I PROMISE TO EXPAND AND ELABORATE ON MORE SUCH ITEMS IN HER
REPORTED "FACTS." SUFFICE IT TO SAY, IT WERE PERMEATED MISLEADING FACTS
THAT CAN BE DISCOUNTED AS "MALE BOVINE FECAL MATERIAL", OR SIMPLY B.S.

IN CLOSING I WOULD LIKE TO THANK YOU FOR KIND ATTENTION, AND FOR ALLOWING
US TO INTERFACE AND RENDER SUPPORTIVE TESTIMONY.

I WOULD LIKE TO END THIS WITH TWO WELL-WORN AND FREQUENTLY USED EXPRES-
SIONS FROM TWO WARRIOR LEADERS:

1. "DARN THE TORPEDOS, FULL SPEED AHEAD"

2. "IMUA E NA KOA...INU I KA WAI AWA AWA!" KAMEHAMEHA THE GREAT, AT THE
BATTLE OF KERANI WAI, MAUI, CIRCA 1793.
lending testimony in Court. More

I'm Suriname President Dan & the Kesiari Serra
club. I'm also the Pacific vice president of the National
Serra Club, whose membership numbers about
650,000. Our national policy opposes space-based weaponry
of all forms, including Smartguns. in all its aspects
At col. morgan, mr. willis & mr. michelson,

for the bethe part of the last 2 years, we've sat
across many tables from one another. we've gotten to
Know, it usually like, one another. i'd like to share a
couple of observations from the process we've shared.
For the most part, your people have been gentleman-like,
All the way through.
I'd like to say thank you for that, and add a personal
concept that if you had more leaders writing with you,
I think you'd get a lot more done more efficiently
and well, with a lot less money.

There's another thing
in the regard our people have gone about securing
the same program. we've operated in relative complete freedom.
We've come to you among our descendants, engendered the media,
spoken our opinions loud & clear, whenever & wherever.
We've chosen, we are the last people on earth
our armed services protect from nuclear attacks,
whether you wish it or no. so i'd like to
thank you from my heart for the protection you.

organization provides us. we are grateful.

Humans are an aggressive species. until this changes,
we will have the military, we human beings, expend
half our global resources, half the world's economy, half
our learning base, on militarism & war, even within
the war is not war.

Thus i choose to see the military as a deadly
internal resource more in need of conservation than any
other, more in need of ceaseless vigilance from its
employees. that's us - human beings.
we are people. have our holdings, and yet we're
a wonderful species, too. we are nothing if the fact that
you can give us.

we want a lot in exchange for half our lives
we want our money's worth.

we want a military that isn't a wasteful charade
or the only resource this earth will ever have to offer
us. we want programs that work, not fail; provide
true safety and not increased endangerment. we want
you to take a long hard look at the $61 billion dollars
the united states will spend this year on militarism,
and explain to me worth straight here why we are not
protected against already. if we are not then the
military has not been doing its job. i urgently request
some further quality review, from the originators of
its programs on down.
take your Star program away and bury it.

Turn away from the home of Kauai's 10,000 suffering people whom even the rains have deserted now.

Turn away from Kauai with your exploding rockets, your nuclear bombs, and your incivilities to the living and the dead, the peaceful and rare.

Turn away, you unkind, while we may care for you, we do not want your program here.

(Signed Marek)

EX57

My name is Vernon Kalaukahi White, a resident of Anahola, Kauai for 42 years. Born Kekaha, Kauai, and my Hawaiian come from James K. Kea grandfather and Annie Kane of Maui.

The Strategic Target System Project should remain open because of two incidents that I can recall in my 64 years on Kauai except 5 years in the Army Air Corp. in 1945 to 1949. Our National Defense is most needed for a nation such as the United States even though our Congress wants to cut the National Defense Budget. Maha Air Base and Strategic Target System not should, but must, remain open because this base is one of many Strategic Commands that must remain open because of the needs to protect our nation, as Pearl Harbor and Schofield on Oahu is needed like Maha Air and Strategic Command is needed.

No. 1 Incident:

During the Desert Storm encounter there were lots of comment—Who should go to war? First was women to be included or only men? And why should we fight for oil or why should we protect Kuwait?—but by this war one wondered and saw how National Defense is needed and the weapons used.

As I grew up on Kauai and Hawaii and can remember my youth when Maha Airport was open to Hawaiian Airlines as the first air transportation for big C47 type propeller aircraft with smaller planes from Port Allen, Kauai. Maha or Barking Sands Base has always being used as transportation and airport for our Hawaii National Guard planes and at one time training area for our military. Now the local military train in Hawaii and parts of the United States, even overseas. Those missiles must remain on Kauai not only for economic purposes but for defense for the State of Hawaii. The area is available and as a veteran, defense is needed to protect even the people against everything. Desert Storm has shown how the missile works and in our minds, we should support the Strategic Target System because of common sense to National Defense and value of
the economy. My point of value is how the missiles were used in Desert Storm.

No. II Incident:

On December 7, 1941, Sunday morning, I was 14 years old and went with my Uncle Ben Ohai, Sr. to the Kapaa Mormon Church Farm going through the old entrance of Lydgate Park, Waialua, to the 2 acres farm large tomatoes and had to be picked ripe from the vines. About six thirty we were there and I went down to the beach area to get cane from along the railroad tracks. When I saw with these same eyes yellow airplanes flying out of Hawiliwil area coming from somewhere from Nihiwai Island. My attention was the noise and lots of airplanes. I looked at them just about day break more or less 6:30 a.m.

December 7, 1941. I went back and told my Uncle Ben Ohai (Fish and Game Department Head, Territory of Hawaii) about what I saw—lots of yellow airplanes heading for Honolulu. His comment was never mind the airplanes pick tomatoes.

As I remember from my 14 years boyhood, those planes started World War II and were coming from the Hana or Barking Sand area. I believe this Project Strategic Target System is more needed to stop future sneak attacks to our island and National Defense. Let us be realistic to the needs of the use of Barking Sands site as a continuing project regarding National Defense.

One more point of value: we must write to our Congressional person from Hawaii to support the security of Hawaii's National Defense in supporting the continuance of this Strategic Target System and to work for a 100 mile off limits to any foreign nation in the Hawaiian waters instead of 3 miles.

SUPPORTING THE PACIFIC MISSILE RANGE BASE AND STRATEGIC TARGET SYSTEM

My name is Emmeline Kalikolaua Lovell White, a Hawaiian and resident of Anahola, Kauai, and an American of aboriginal Hawaiian ancestry. Having read the draft that was prepared by the U.S. Army Strategic Defense Command. I find that the Strategic Target System Missile is safe as a launch vehicle and that it contains no nuclear activity.

Looking back at the December 7, 1941, attack on Pearl Harbor, where the islands were unprepared for defense protection, I believe we should support this matter of National Defense.

It is important that the National Defense of the United States be prepared for any nuclear attack from any aggressor nation.

As we watched the Desert Storm war on television, one can see where the Scuds are intercepted in the air by the Patriot missile.

Had the United States with its national defense not been prepared, thousands of people would have perished and died.

The Pacific Missile Range is a vital part of our country's defense. It is not only our Defense that is vital, but our island economy as well.

So many towns in our country are asking to keep the bases in their area open, why should we close this particular one. We should support its present existence. The many persons whose job is dependent on this base is vital to their families existence.

Their jobs on the base provide food for their families, pays their house mortgages, and supports their families entirely. They don't have to depend on the government or social service for their family's support. After all, it is the human race who are the endangered species that need to be protected, fed and clothed.
SO MANY MALAHINES AND OUTSIDERS WHO COME TO OUR ISLAND SHORES RELY ON THE GOVERNMENT AND GRANTS TO GET THEIR OBJECTIONS ACROSS. NEEDLESS TO SAY THEIR TOWNS ARE BEING DESTROYED BY FLOODS AND EROSION. THEIR FOREST HAVE BEEN ON FIRE AND DESTROYING HOMES; I BELIEVE THAT OUR MALAHINES AND OUTSIDERS SHOULD BE LOOKING AT THE ENVIRONMENTAL CONDITIONS IN THEIR BACK YARDS BY HELPING TO PROTECT THEIR TOWNS AND CITIES FROM FLOODS AND FIRES AND NATURAL DISASTERS. WE WORRY ABOUT THE C-ZONE AND THE COMPLEXITIES OF THE SITUATION, BUT WE DO NOTHING WHEN DICTATORS AND WAR MONGERS SUCH AS SADDAM HUSSEIN FIRES MISSILES AND ROCKETS THAT WOULD AFFECT THE ATMOSPHERE OR STRATOSPHERE. WE AS ISLANDERS AND KAMAAINAS HERE ON KAUAI SHOULD SUPPORT THE EXISTENCE AND OPENING OF THE PACIFIC MISSILE RANGE BASE WITH ITS STRATEGIC TARGET SYSTEM MISSILE PRACTICE, BOTH FOR OUR NATIONAL DEFENSE AND FOR OUR ECONOMY HERE ON KAUAI.
To Strategic Defense Committee:
The Polaris missile has a 20 year track record which includes hundreds of launches. This Environmental Impact Draft ignores this history except for a brief undocumented reference to a 97% success rate.
Newspapers reported a Polaris missile failure at Cape Canaveral last summer and today we have received a report of another mishap just this week at Vandenberg.

How these failures were handled and what the consequences were seems of vital interest to us here on Kauai. The final draft of the EIS should have a complete accounting for this missile's less than perfect history.
The British military rid itself of all of its Polaris missiles in the 1980's due to "basic system unreliability". What do they know that you haven't told us?

If we are to accept your stated figures of 3 failures in a thousand, can we not then expect at least one failure in your proposed 40 launches? And if this particular failed launch traveling at a rate of speed which will take it into the stratosphere in only 46 seconds turns back over the island? Kekaha is only 8 miles away and I am unconvinced that 18 tons of missile will suddenly disappear when and if the terminate button is pushed.

In today's Garden Island a truly frightening truth has been told:

After a 30 day waiting period the Strategic Defense Initiative Organization will issue a Record of Decision "taking into account the agency's statutory mission and national policy".

Translation: We are wasting our breath here while the power to make this decision lies in the hands of some anonymous committee. Who exactly are these persons that believe they should be granted the power to effect this island's fate? We didn't elect them and how will they be accountable if God forbid, there is a serious accident.

The Army claims to be committed to defending Democracy. If this democracy is truly sacred then let the people of Kauai decide our own fate. Let's put this matter on the ballot this November. Not just Kekaha or the North Shore and certainly not just a few Army commanders. This choice belongs to the people of this entire island.

Thank you.

[Signature]
August C. Manguo
Lieutenant Colonel, USA
U.S. Army Strategic Defense Command
Product Manager
Strategic Target System

Dear Colonel Manguo,

These remarks refer to the Draft Environmental Impact Statement for the Kauai PRMF, dated February 1992. They are addressed only to the Biological Resources, Vegetation, mentioned on pages 3-16 through 3-20 and 4-26 through 4-28.

My qualifications are a Ph.D. in Electrical Engineering, specializing in the mathematics of large scale systems engineering, University of Southern California, 1971. My field of interest has been evolutionary biology, and for the past 13 years I have studied the indigenous flora of the island of Kaua'i. I operate a business that grows these plants in a nursery and designs natural landscapes.

I support the effort of the employees and other Westsiders to preserve PRMF, it offers a tremendous opportunity and resource, compared to the alternatives, and we must all help to preserve its presence on Kaua'i.

My opinion of the current draft EIS concerning the vegetation on the pages cited above is that it is woefully inadequate. The document mentions only Ohai (Seasenia Tomentosa) and Puapa moa (Ophioglossum Conimuitum). Other indigenous species that I have observed on the base, and are confirmed in The Botanical Consultants report of 1985 and the Transverse Group study of 1987 referenced in the EIS, are:

| A'ali'i | (Boroniae viscosa) |
| Alena | (Boehavia repens) |
| 'Aki 'aki | (Epachonilus virgicinus) |
| 'Akoko | (Chamaesyce celestroides) |
| 'Alauhiku | (Sanavium portulaconstrum) |
| H'i'ali | (Waltheria indica) |
| Hinahina Kahakai | (Nanaimo sandwicensis) |
| Huna Kal | (Ipomoea imperata) |
| 'Iliona | (Rica ralata) |
| Kena'oa | (Oscutta sandwichiana) |
| 'au'u 'aki 'aki | (Fimbristylis cymosa) |
| Naupaka | (Scaevola sericea) |
| Pohina | (Vitex rotundifolia) |
| Poholea | (Iopaea pas capre) |
| Pa'o hi'aka | (Jacquemontia ovalifolia) |

Many of these plants are not listed as endangered by the Federal government, although list is not necessarily indicative of the real situation because political considerations and bureaucratic incompetence play a large role in the listing process. The IUCN (International Union for Conservation of Nature and Natural Resources) lists at least one the above plants (Hina hina Kahakai) as vulnerable to endangerment due to extensive habitat destruction. And there are many listed endangered plants, and

extinct plants, that were previously present on the land which PRMF occupies.

Some of the above species are not listed as endangered only because they are found on other Hawaiian islands. But with respect to Kaua'i only, they are in danger of extinction on this island. Also, the outdated concepts used by taxonomists do not recognize the unique gene pools that exist on Kaua'i and the genas that will be lost as the populations on the islands continue to decline. Even on Kaua'i, plants such as A'ali'i, have different genes at Mana and Kaua'i. In Kaua'i and Backing Sada then they do in Kokee.

It is a grievous fact, that the largest accident I can imagine at PRMF would be a small insult to these native plants, compared to the holocaust that has befallen them since the arrival of the Europeans. The No Action Alternative on page 4-28 states: "Therefore no impacts to biological resources are expected to result from the no action alternative." However, even this is an incorrect statement; if the current neglect and some actively destructive practices continue at PRMF, the indigenous plant population will continue to decline, and other alien species brought in by humans will continue to choke them out.

This situation is certainly no different than elsewhere on Kaua'i. But PRMF has a special opportunity. And it is possible, with minimal effort, to become the best location on Kaua'i in terms of effort to protect and restore indigenous plants. You can restore the Ohai, and Pua pilo, and Tila'e, the Hina, and the dwarf Naupaka, and 'ili to their former home.

If you would start an active program to restore and protect indigenous plants at PRMF no one could fault you for performing the most exemplary effort on the island. You should plant and monitor several such communities of these plants at varying distances from the launch sites. I do not think that the plants would be damaged at a distance of about 200 feet, and you should not hesitate to put plants there, and collect long term data. This data will help in the long term use of the base for future launches or other purposes.

These indigenous plants represent a resource that no amount of technology can replace once they are extinct. They have been on Kaua'i for thousands of centuries and they have changed in ways that have adapted them to these islands as their only home. It is not unlikely that one of the actions we currently consider the most insignificant this program, will turn out to be your largest endorsement to national security.

Sincerely,

Brian Schaefer
PUBLIC COMMENT TO THE EIS

28 Mar 1991

I've looked at the STARS EIS and I support its conclusions that there will be no significant environmental damage to Kauai. The people putting together the EIS should be commended for making a thorough and honest attempt to evaluate any potential damages.

Frankly, I'd rather eat dirt than stand in front of this microphone and try to force my beliefs on somebody else. It's not my personality to be an activist and whine about things. But I have to get a few things off my chest.

First of all, this meeting is not about the hole in the ozone layer. To solve that particular problem, we're going to have to ban aerosol spray cans, ban air conditioning, ban refrigerators, and even ban the space shuttle - just to name a few things. Yes, this is the same space shuttle that is presently orbiting the earth, studying the depletion of the ozone layer. And not only ban these things in the United States but also in the rest of the world. That's the rest problem, because the poorer nations of the world are not going to accept any high-cost alternatives that technology might come up with. The STARS contribution to this problem is miniscule. I'm surprised nobody has testified that STARS launches are going to contribute to global warming, because they will.

Secondly, this meeting has nothing to do with Hawaiian homes or Hawaiian sovereignty. The Hawaiian people have a problem, and I agree they need visibility, but that problem has nothing to do with the STARS program. It's a separate issue entirely. The STARS project can't solve Hawaiian problems. Our legislators are going to have to do that.

STARS seems to violate the 'spirit' of Kauai. What is the 'spirit' of Kauai anyway? Is it the Westin? Princeville? The traffic jams in Kapa'a? The doubling and tripling of the size of Poipu over night? Why don't you people who know so much about the 'spirit' of Kauai try to solve a real issue that has an impact on all of us? For twenty years PMRF has been launching rocket from Hanalei and there has been no negative impact on the West side. In fact, it's common knowledge that the West side of Kauai is one of the last places that has any 'slope spirit' left. Different rocket programs have come and gone and none of this has changed. STARS won't change it either.

People say that they're opposed to STARS and all of ESI because they want to promote peace in the world. That's not what is being demonstrated by the STARS protestors. I hear nothing but anger, hostility, antagonism, discourtesy. If you can't demonstrate peace and humility to your own neighbor, how can you expect to promote peace in the world? For thousands of years, Christianity and every major religion has been preaching love.
COMMENTS TO STRATEGIC TARGET SYSTEM DEIS

I am Jim Lawshe from Kalaheo, and I support the Strategic Target System and PMRF. I have been a resident of Kauai and a contractor employee at PMRF for the last 18 years. Four years prior to this I was involved with modifications of optical instrumentation equipment to White Sands Missile Range, Edwards Air Force Base and the Western Test Range. Before this I was at Holloman Air Force Base and White Sands Missile Range in New Mexico for 23 years.

I have stood at the impact site of the first test vehicle launched at Holloman. It was a booster test and the test vehicle was a telephone pole. I was present when the first ground launched aircraft guided missile found its target and bored a hole through the parachute target. I have been at ground zero at the Trinity atomic bomb site in New Mexico. I observed Enos, the second chimpanzee in space, at Holloman after his notable flight. I was there when Colonel Stapp rode the high speed sled at Holloman onto the cover of Time magazine, and today all of us fastened our seat belts when we drove to this meeting.

Now I am at PMRF and I am very excited about the STARS program. I will be watching the first Strategic Target System lift-off, gain speed and disappear to keep its rendezvous at the Kwajalein Missile Range - 250 miles from the island. That is right - 250 miles. It will not “Bomb the Island”, as someone stated last night. Sometimes, the truth is very illusive.

My greatest experience at Kauai has been the local PMRF people. There is more Kauai Spirit at PMRF than from those who oppose STARS. For proof, I refer to as recent as last night. Charlene Castor, sincere, quietly respectful, and Hawaiian, showed far more O’Hana than other speakers. If there are ten unemployed Hawaiians for every employee at PMRF, they, the unemployed should do something about it as the locals at PMRF have done. The locals at PMRF have made the effort to improve themselves. They have earned what they have, and I respect them for it.

I commend the Army for the DEIS. I am; however, reminded of the cliche -

When you want people to listen - you tell them, you tell them again, and then you tell them again. Regarding air quality, and I quote from the DEIS, “Air samples will be collected during the first demonstrative launch to validate compliance with federal and state standards.” To the preparers of the EIS I request you say it again, and again, and then that you can demonstrate compliance. A few months ago, air quality of the Hawaiian Islands was poor. The culprit was not the Strategic Target System, the culprit was volcanic ash. Volcanoes contribute as much as one third of the total annual global stratospheric chloride burden, while the Strategic Target System will contribute 0.001 percent to the total annual burden. Those concerned about ozone depletion, already, are blaming STARS. They should be talking to Madame Pele, not to the army about their concerns.

The Mayor, in her infinite wisdom, has decreed that there will be no transportation of liquid hydrazine and nitrogen tetroxide on Kauai public highways. This is the same infinite wisdom that is doing so well in solving the islands traffic problems and the boating problems at the north shore. Those who have vocally opposed STARS are overlooking that four alternate transportation routes have been established in the DEIS. Two of these do not involve Kauai highways or ports. They also overlook the statement that the proposed action in the DEIS is to transport hydrazines using military, exclusive-use cargo aircraft to deliver the fuel to PMRF. Exclusive-use cargo aircraft is also being considered for nitrogen tetroxide (although a waiver from DOT will be required).

I’d like to suggest another alternative to the Army.

At Oahu, load and secure the tetroxide container onto an amphibious vehicle. Load and secure this vehicle to the deck of a cargo ship. The ship will then proceed offshore of the PMRF landing beach, lower the amphibious vehicle into the water which can then proceed to and up the beach directly to the holding pad at KTF. This requires a relatively calm ocean, but the number of deliveries in a year is only one, two, or maybe three, and they can be scheduled during calm periods.

In closing we have just today collected 134 additional Declaration of Support for PMRF letters. These when added to the Declarations presented by
Comments of Ken Jones
On the Draft Environmental Impact Statement
for the Strategic Target System
Tuesday, March 24, 1992

The following comments address the portion of the DEIS concerning the impact of the proposed STARS launches on the protective Stratospheric Ozone layer of the earth.

The DEIS inadequately addresses the potential for increases in human skin cancer due to depletion of stratospheric ozone as a direct result of the STARS launches (NRC 1982).

The DEIS points out (pages 4-17 - 4-20) that the Strategic Target System program will release ozone depleting chemicals in the first and second stage exhaust emissions and in the halon 2402 used at altitudes between 18 miles and 104 miles.

The DEIS (p. 4-19) assumes only a best-case scenario concerning the impact that each 1-percent decrease in stratospheric ozone will have on the percent increase of the incidence of human skin cancer. Research provided by the National Research Council shows an estimated RANGE of 2% to 5% increase of basal cell skin cancer, and a probable 4% to 10% increase of squamous cell skin cancer per 1% decrease in stratospheric ozone.

A NASA report released in February showed a 10 percent drop in the density of the ozone layer over Kauai. At the worst case scenario of 10% increase of squamous cell skin cancer for each 1% drop in ozone that equals a 100% increase in the incidence of squamous cell skin cancer. And this is before any of the ozone has been depleted by the STARS launchings.

The DEIS states that "the predicted increases are appreciably greater at lower latitudes (closer to the equator) than at higher (NRC 1982)" (p. 4-19). It then goes on...
to say that the "effect of changes in the ozone layer on the incidence of skin cancer was explored using data from Norway." The final EIS should evaluate data taken from Hawaii, not Norway.

While the DEIS states that there will be no significant impact on the incidence of skin cancer resulting from the launches, the evidence indicates a high probability that of the 51,000 people on Kauai one person will get skin cancer as a direct result of the Polaris launchings over a period of a year.

On January 1, 1991 the Hawaii Ozone Layer Protection Statute went into effect prohibiting any person in the state from willfully causing or allowing release of designated chlorofluorocarbon chemicals into the air from any source or process including automobile air conditioners and household air conditioners and refrigerators. The overall purpose and intent of the law was to protect the people of Hawaii and the rest of the world from increased exposure to skin cancer, cataracts, and damage to the human immune system that occurs when the protective ozone layer is depleted by release of those and other chemicals.

So, while the U.S. Army Strategic Defense Command has found a loophole in the state law against Freon release, they are violating the spirit and intent of the law if not the letter of the law, and are willing to jeopardize the health of the people of Hawaii and other places in the world to test their missiles.

Thus, I find that the DEIS is inadequate, and that the danger to human life and health is too great to continue with the proposed missile launch program.
On my way home I was blessed with the appearance of my ancestral guardian. My family's spiritual guardian. The plan or out of town. He believes our car this evening. I know that the spirits of my ancestors are on our side the few living endangered Hawaiian people seeking justice in this never-ending battle.

The spirits of our ancestors cry out. Let the rain live. Let the people live. Let aloha live.

Mahelo no to 'onou kōlāhale kane,
Mahelo o no.

Kaleia'i Kula, 46-26 Manaiakalani Rd.,
Kapa'a, HI 96746
Thank you for this opportunity to comment on the DEIS for the Strategic Target System testing program from the Pacific Missile Range Facility (PMRF) at Barking Sands, Kauai. This is an issue of immense importance to this community, which is called the Garden Island for good reason.

The people of this blessed island have always taken the custody of Kauai's natural assets as a priority concern, and this guardianship has persisted in the face of economic cycles of hardship and prosperity, a transformed citizenry, an all-pervasive visitor industry, and the insatiable demands for new housing, transportation, infrastructure, power generation, waste treatment, clean water and other critical services of government.

It is no coincidence that Kauai's environment has endured despite these many perils, and the STARS program must also satisfy this scrutiny in proportion to its potential to inflict greater, and heretofore unimaginable damage, on the land and seascape.

That this EIS came to be mandated by Congress in the FY 92 Defense Department Appropriations Act is a consequence of the Army's resistance to such a study in the face of public outcry that its court-ordered and narrowly-focused Environmental Assessment (EA) conveyed little assurance of the testing program's wider implications. I am pleased that my actions in the U.S. House of Representatives on May 22, 1991 kept the requirement for an EIS alive through language in the House version of the DOD authorization bill, which declared the "sense of the Congress" that STARS testing was a major federal action. The Army's flippant dismissal of this language was quickly dispelled when Senator Inouye inserted irrefutable language in his Armed Services appropriations subcommittee that restricted STARS funding until this EIS was conducted and accepted in final form.

I join with the community in commending the Army in its efforts to consult with the public throughout its EIS process, however. The briefings, notices and public meetings conducted on Kauai in the last several months have demonstrated a concerted attempt to gather community input and concerns, so I am disappointed that the actual draft document should be so flawed, despite this effort at community relations.

Let me state at the outset that I am in total support of PMRF and the research role it plays in our national defense. I believe the majority of Kauai also supports the facility, which has been a good and reliable neighbor on the island. The test site is a
good and reliable neighbor on the island. The test site is a
welcome employment alternative for residents, and has operated
according to the highest scientific and safety standards in the
past.

But we are confronted with a Draft EIS on a Kauai Test Facility
program that was long and hard in coming from the military; it
betrays a bias that is inescapable, given its sponsor and
authorship. I offer my comments only to improve the content and
confidence of the final EIS, and look forward to the Army’s
candid response to my critique along with those of others
participating in this hearing.

Although the National Environmental Policy Act (NEPA) requires
consideration of all reasonable alternatives to a proposed
action, I note that this DEIS reviews STARS’ environmental
consequences and mitigations with the summary dismissal of other
possible alternatives without thorough examination. From “Geology
and Soils” to “Water Resources,” “Noise,” “Hazardous Materials”
and beyond, the “No Action Alternative” is the only other option
consistently offered. It appears that the authors took little
effort to explore middle ground, insisting on the Army’s way or
no way.

In contrast, the discussion of the transport of toxic, liquid fuel
propellant to PMRF includes four alternatives. Shipment directly
to the facility is possible via military air cargo, by
commercial cargo vessel to Oahu and beach delivery by landing
craft, the same route with transfer to beach landing craft at
Port Allen, or overland transfer to Barking Sands after ocean
shipment to Port Allen. The preferred, proposed action is to
transport hydrazine using military, exclusive-use cargo aircraft
directly to the facility, with the remaining options utilized in
the event of “unexpected adverse conditions.” In keeping with
this DEIS’s single-mindedness, no description of these adverse
conditions is addressed, much less why the fuel would be safer in
a landing craft working its way through surf to come ashore at
Major’s Bay, or why being driven on a public highway is more
plausible under those same adverse conditions.

I am concerned that the DEIS does not adequately investigate
STARS’s threat to endangered species in the locales of the test
facility. However remote the possibility of harming species such
as the ohai, Adder’s tongue, Hawaiian ducks, coots, stilts, monk
seals and hoary bats, green sea turtles, Hawiwi’s shearwater, and
humpback whales, any contribution to the irreversible extinction
of these plants and animals must not be risked under any
circumstances. Mitigation measures seem hardly adequate within
the context of the report.

Termination of launch activities is reviewed under three
scenarios: on the launch pad, in early flight, and with pitch
back over the island. Once launched, great reliance is placed on
the “more than sufficient time” of 1.5-seconds for a Range Safety
officer to detect, decide and terminate a missile’s flight to
minimize the fire, debris and air pollution around or beneath the exploding missile vehicle.

The restricted ground hazard area for each launch is a modified 10,000-foot arc encompassing portions of Polihale State Park and nearby sugar cane fields. In the event of a termination decision within the 3.5-second window, damage is expected to be confined to this area.

There is no deliberation whatsoever, however, of a worst-case scenario. Suppose the decision time takes longer than 3.5 seconds. Suppose the termination command apparatus inexplicably delays or fails to respond. Suppose the missile heads for Hanalei Valley, or Lihue?

What are the appropriate emergency measures and equipment to deal with such a catastrophe? Will civil firefighting, burn and rescue techniques be adequate? The damage from a 36,577 pound, refurbished Polaris A1 missile with an CERUS I third-stage motor is sure to cause damage as yet unknown to Kauai's emergency personnel.

However unpleasant, prudence dictates that this eventuality be reviewed, and that the State and County be furnished with proper equipment and training to respond quickly and effectively to the more extensive property damage or human casualties of a flat-out missile disaster.

Of equal concern is the use of booster rockets averaging 16 years old that must undergo extensive refurbishing to bring up to weapon specification 1151 performance, reliability and safety compliance. Older Polaris A1 second-stage boosters have already experienced forward dome burn-through failures that current refurbishment procedures are supposed to correct. But aging caused this problem, and there is little cause for comfort that more than 3 dozen identical missiles will be launched from Kauai.

The payload third-stage motor also benefits from the military's indulgence. Toxic hydrazine liquid propellant will be used in this stage on some occasions, and there is apparently "not a large statistical data base to address motor reliability."

Rather, a manufacturer's predicted reliability factor based on computer programs and manufacturing information is accepted, with a five-year storage life projected. One wonders about the dependability of payload stages in the later phases of STARS.

This Draft does not review all the history of missile launches at PMRF, and whether there were any mishaps or incidents in years past. Neither does it discuss the differences and similarities of these earlier launches, so we might better transpose historical records to what is anticipated and provided for in STARS.

Finally, since the Army went through so much effort to identify public concerns and objections to the STARS project through briefings, hearings and other methods, I am troubled that it
would dismiss so many of these issues with terms such as "small risk," "unlikely," "all precautions will be undertaken," "insignificant," "no impacts anticipated" and "very little hazard." I suggest that the authors review the entire EIS and substitute the information that these terms are based on to assure readers such comments are warranted, and why.

As a Member of Congress, I am called upon to debate and vote upon matters of national defense and policy time after time. My return to the U.S. House in 1990 was predicated on the dividends of a post-Cold War economy that would rechannel our resources and energies into more productive pursuits critically needed by our people. After more than a decade of runaway spending on new and grander weapons systems, our cities, infrastructure, schools, highways, environment and social services have suffered enormously.

With the nationalization of eastern Europe, global trade alliances, collapse of the Soviet Union and other momentous events around this planet, our priorities have also changed. Congress agonized over base closures throughout our military system, and more are surely to come. We have battled to fund the full range of services while digging ourselves out of a debilitating recession and national deficit. And we have seen the inescapable writing on the wall that America is no longer able to afford everything it wants from its government.

The Pacific Missile Range Facility has unique and exceptional operational characteristics unavailable to the U.S. military anywhere in our country. The quality and dedication of its employees are unquestioned, and they have every reason to be proud of their work, their expertise, and their record.

It is my hope that the EIS that is finally issued on STARS testing at Barking Sands does justice to the facility and its personnel. Many have called for this study, and now we have the opportunity to judge and criticize at will. If we are sincere in this process, then the outcome can only add to our understanding of STARS, so an informed consensus can be reached on its future.

Thank you for your attention.
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

<table>
<thead>
<tr>
<th>Name</th>
<th>Mary Eisser</th>
</tr>
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<tbody>
<tr>
<td>Address</td>
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</tbody>
</table>

Who makes the decision on the final EIS?

The decision on the final EIS will be made by the Director of the STRATEGIC Defense Initiative Organization, Ambassador Henry Cooper.

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1900
Huntsville, Alabama 35807-3801

NO TO STARS ON KAVAI!
David J. Rosell
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

A Question/Comment:

To Rody Galloway, Col. Manguso,
I strongly object to your responding to Anti-STARs speakers' comments. We as opponents are not given a similar ability to respond immediately to what we perceive as misfacts. Again you turn this into a one-sided ability to respond to comments. This is unfair.

Teddy Finley

May Eiser

Name

Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Galloway)
P.O. Box 1500
Huntsville, Alabama 35807-3801
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Question/Comment:

I deeply resent and object to Col. Mengusso's statement and objections after Anti-STARS speakers spoke. We, as opponents, did not have an opportunity to respond in the same way. You are making this an unfair debate, with only your side able to respond to speakers comments being made.

Name

Address

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSO-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
March 23, 1992

After reviewing the ES on the "STARS" program, I feel the concept of the theater of Kauai have not been addressed. This program may prove dangerous and should not be allowed to take place.

As a resident of Kauai, please cancel me at against this program.

Thank you,

[Signature]

March 25, 1992

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN V (D.R. Goffin)
POB 1500
Huntsville, AL 35807-3801

Dear Commander,

I want to focus our time, energy and money in directions other than STAR WARS technology. This against continuing any such projects here on Kauai and specifically against rocket launches from PMRF.

I believe it is time that our government began enacting policy that is more life affirming and responsive to the new world that is being created in this decade.

I believe the impact on Kauai of the Strategic threat system program is contrary to the spirit of Kauai and quite harmful to us who live here.

Sincerely,

[Signature]

ROB 503
HAUANEPE, Kauai, HI 96716
Dear LTC. Manique,

3/25/92

The testimony you're about to read cannot be cross-referenced in a book because this material comes from my heart. It is based on my beliefs and the love I have for my country. It is also based on being a working mother of a lively, beautiful 3 year old daughter and having a household to maintain. You know... bring home the bacon, fry it up in the pan, and never let him forget he's a man... Well, that leaves me with very little time to scrutinize every bit of the DEIS as the opposition has done. I've read some of the DEIS and am satisfied with the stuff I can understand. I trust in you and the Government for the rest and anything after that I don't have a need to know. I have done 6 years in the Hawaii Air National Guard. I am fully aware of "knowledge on the need to know" basis.

The opposition implores us towards peace and to lay down our arms because the Cold War has ended. I feel this Country's mainstay is it's unsurpassed technologies in defense which we need to maintain and even upgrade to keep up with the flow of world events. And the flow of my world's events is my daughter's future. I believe the STARS project will enhance my quest of ensuring my daughter's free future. The opposition seems to have forgotten how so many people before us have given their lives to maintain the freedom to do and say what you want, when you want and how you want that this Country is so known, loved and envied for. There's a bumper sticker I've seen around --- "Lucky you live Hawaii", but I say "Lucky you live U.S.A."

Carlee Aguustin

Candace Agustin
4450 Pio St.
Lihue, HI 96766
March 23, 1992

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSDP-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3901

Re: EIS for Strategic Target System, Kauai, HI.

Dear Mr. Gallien,

As a taxpayer I am not in favor of spending tax money on the Strategic Target System.

My comments are about the section in the EIS paragraph 4.12, Socioeconomics. This section is very poorly developed in the sense of the costs to the people in Kauai of their tax money being spent on the system. No figures are given as to how much it will cost each citizen. Additionally, no estimate is given for the money that is being spent on fuel and hardware spent in a more productive manner what the effects would be on the socioeconomics of Kauai. Jobs could be created if the cost of the project were given to Kauai County. They could improve the homeless situation, improve the parks, schools, and roads. These projects would definitely add jobs and improve the quality of life as well.

The other longrange concern has to do with the brain-drain of scientists in our country to continue working on useless military projects when they could be solving other problems. Alternative energy sources, improved machines, and many other creative projects could be developed if our scientists could be free from spending so much time on useless military projects.

In investing in our children as scientists by spending the money on science classes would be a longrange socioeconomics benefit and the cost of not doing that should be expressed in an EIS that talks about socioeconomics. The money for one launch would pay for many computers in our schools.

Kauai is not the place to launch the system and I believe it should not be launched anywhere else, either.

Sincerely yours,

E. Woodyard, Ph.D.
Suite 3039-129 Kaumualii Hwy
Lihue, HI 96766
Also, I would like to express my appreciation to Senator Daniel K. Inouye, Senator Daniel K. Akaka, Representative Patric T. Mink, Representative Neil Abercrombie, Governor John Waihee, Senator Lesua Fernandez Balding, Representative Ezra Kaneko, Representative Bertha Kamaka, Mayor JoAnn Yukimura, Kauai County Council.

Dear Honorable Elected Officials:

By this letter, I reaffirm my support for the Pacific Missile Range Facilities, its people, and its progress. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIR determines.

This kind of attitude could be detrimental to the very existence of PMRF. A base closure is not unrealistic to consider. It would result in severe impact to the economy of Kauai. In addition to the loss of jobs, facilities such as hotels, restaurants, rental car companies, recreation oriented businesses, banks, supermarkets, gas stations, automobile dealers, parts suppliers, construction companies, hardware suppliers, computer related businesses, etc., etc., would feel the impact of a PMRF shut down.

There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers of the base and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Your Truly:

[Signature]

Printed Name

[Address]

[Written comments on back]
1) Save jobs, not unemployment
2) Correct Hawaiian Home Land Commission land lease if not being done.
3) Valid EIS.

DEVELOPMENT OF SUPPORT FOR PHRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKANA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE HEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
REPRESENTATIVE LEHUA FERNANDES SAILING
REPRESENTATIVE EZRA KAMOH
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOAN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its programs. Recent controversy over a certain PHRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIS determines.

This kind of attitude could be detrimental to the very existence of PHRF. A base closure is not unrealistic to consider. It would result in severe impact to the economy of Kauai. In addition to the loss of jobs, facilities such as hotels, restaurants, rental car companies, recreation-oriented businesses, banks, super markets, gas stations, automobile dealers, parts suppliers, construction companies, hardware suppliers, computer-related businesses, etc., etc., would feel the impact of a PHRF shutdown.

There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers of the base and of the many programs at PHRF, that they are doing everything they can to ensure success.

PHRF has been a good neighbor and Kauai's high-tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long-term impacts and make decisions wisely.

Yours truly,

[Signature]

Printed Name

Address

(Written comments on back)
EX78 (cont.)

I'm glad my comments have been adhered to.

EX79

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEhua FERNANDES BATTING
REPRESENTATIVE EZRA KANOHIO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANNA YUKICHURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its programs. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIS determines.

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There are many people like myself who have been silent throughout this controversy, and feel its time to be heard. I am registering my confidence in the managers of the base and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

J. meidtite!

(WRITTEN COMMENTS ON BACK)
It is my opinion that those who are
opposing the existence of the base are
those who have their ideas
but not the outside. Our concern is the
land and our community, the Kauai, feel
that they care less for and less
concerned for their own self interest.
SHR is a vital importance for
us and for the safety of the U.S.

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY M. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN MAHAN
SENATOR LEAH LEONARD SABING
REPRESENTATIVE EDRA KANNO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOHN YUKIMURA
KAVALI COUNTY COUNCIL

Dear Honorable Elected Officials;

By this letter, I affirm my support for the Pacific
Missile Range Facilities, its people, and its program.
Recent controversy over a certain PMRF program has been sup-
pported by a vocal minority, largely from the North Shore
communities of Kauai. Their true intent was revealed after
the decision was made to do an Environmental Impact
Statement in response to their protests-and that intent is to stop
the program altogether, regardless of what the EIS determines.

This kind of attitude could be detrimental to the very
existence of PMRF. A base closure is not unrealistic to
consider. It would result in severe impact to the economy of
Kauai. In addition to the loss of jobs, facilities such as
hotels, restaurants, rental car companies, recreation oriented
businesses, banks, auto dealers, parts suppliers, construction companies, hardware
suppliers, computer related businesses, etc, would feel
the impact of a PMRF shut down.

There are many people like myself who have been silent
throughout this controversy, and feel that its time to be
heard. I am registering my confidence in the managers of the
base and of the many programs at PMRF, that they are doing
everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech
employer. It is a place to which our children can return to
find challenging work. It directly supports our nation and
its defense effort. We don't want an issue like this to
spark thoughts of a base closure. Please evaluate the long
term impacts and make decisions wisely.

Yours truly,

Signature
Printed Name
Address

(Written Comments on back)
I know the United States needs a strong military, and I know the United States needs military programs like the STAR's Program. A strong military is the safest way for a long lasting peaceful coexistence.

EXHIBIT 1

DECLARATION OF SUPPORT FOR PHRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EDWARD KAHNHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOHNN YUKINURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its program. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIS determines.

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There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers of the base and of the new program at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Yours Truly;

Signature:
Printed Name:
Address:

(Written comments on back)
Don't listen to any of the Hoovers who are not even from Hawaii, or have just lived here 2 years they should go home, and not try to run our island like California, these groups like Sierra club

Ka'aua Culture

P.S. Open your eyes, this will not only affect Hawaiians but all the local people born and raised in Hawaii.
Come on people, we elected you folks to support us! Quit trying to make a living out this island, I hope you guys are not "swayed" by all the "propaganda" of false statements made by a select few which to us, have no idea what they are talking about and the impact the Westergood would experience if the Navy pulled out.

Sincerely,

[Signature]

---

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANoho
REPRESENTATIVE SERAHA KAWAKAMI
MAYOR JOHNNY YUKIMURA
KAUAI COUNTY COUNCIL

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Yours Truly:

[Signature]
Printed Name: [Name]
Address: [Address]

(Written comments on back)
I support PMRF. Time has always been right. At the same time, a perspective that is really drawn out of proportion. They feel that those washrooms should be valid. Not knowing the other side of the coin, is to be impacted economically.

Dear Honorable Elected Officials:

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its programs. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIS determines.

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Yours Truly:

[Signature]

Printed Name

Address

(Written Comments on Back)
To those concerned - it is not often the west side of Kauai asks for something for themselves - I feel that this concern is very important for our community and may well guide the future of west Kauai.

Aloha,

[Signature]

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
   SENATOR DANIEL K. AKAKA
   REPRESENTATIVE PATSY T. MINK
   REPRESENTATIVE NEIL ABERCROMBIE
   GOVERNOR JOHN WAINIHE
   SENATOR LEHAU FERNANDEZ BAILING
   REPRESENTATIVE EZRA KANOHO
   REPRESENTATIVE BERTHA KAWAKAMI
   MAYOR JOANN YUKIMURA
   KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

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There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers of the base and all the many programs at PMRF, that they are doing everything they can to ensure success.

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Yours Truly,

[Signature]

Printed Name: [Signature]

Address: [Signature]

(Written comments on back)
Dear elected officials:

It is my personal opinion that your attention in this matter is well overdue. To force a base into closure due to financial consideration is one matter. To allow a special interest group to effect the economic growth of a small island is another. It is your responsibility to represent the people that elected you. Not the special interest groups that put you on the back and provide financial support.

I would like to point out that this special interest group hiding behind the environmental issue is in fact the headquarters for the New Age Religion Group and their main objective is to destroy the economy of Kauai. No wonder they want the military out of their domain. It demonstrates a threat to their overall purpose.

Please do not fall into the same pattern as the Roman Empire. Demonstrated: We are strong and no one could possibly attack. History has always repeated itself and unless you are careful, you could easily fall into the same category.

The Soviet Union is still an enemy of the Constitution of the United States because the Soviet Union has never changed their overall major goal: To control the world with their ideology. Facts are, they can not feed their people, this does not mean they have become our friends. The people are wonderful I am sure, but the government still has the same major aim.

In conclusion, please consider the major purpose of this special interest group on Kauai, (New Age Movement), and their primary interest in the military base closure. Then consider that Soviet Union remains a viable threat. Then consider the impact the closing of the base would have on the local economy and the future of the island.

I am concerned about the disregard for the voter's rights by Congressmen and how the voters are polled in special interest groups. It is high time you consider the position you were elected for and represent the needs of Kauai and the nation as opposed to the group that pad your pockets. Remember, Kauai helped in the election process, whereas all the environmentalists did was to raise a stink and show up.

Please do not become their puppets! Thank you.

Sincerely,

Scott W. Stevens
P.O. Box 256
Kauai, HI 96796
808-662-1728

DEVELOPMENT OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL AMBERGER
GOVERNOR JOHN WAHIE
SENATOR LEHUA FERNANDEZ BALLING
REPRESENTATIVE EUGENE KAMINODO
REPRESENTATIVE BERNICE KANAMU
REPRESENTATIVE JOHN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I affirm my support for the missile range facilities, its people, and its programs. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their real intent was revealed in the decision was made to do an Environmental Impact Statement in response to their protests, an act that was to stop the program altogether, regardless of what the EIS determines.

This kind of attitude could be detrimental to the very existence of PMRF. A base closure is not unrealistic to consider. It would result in severe impact to the economy of Kauai. In addition to the loss of jobs, facilities such as hotels, restaurants, rental car companies, recreation centers, businesses, banks, super markets, gas stations, automobile dealers, parts suppliers, construction companies, hardware suppliers, computer-related businesses, etc., etc., would feel the impact of a PMRF shut down.

There are many people like myself who have been silent throughout this controversy, and feel that it is time to be heard. I am registering my confidence in the managers of the base and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Yours Truly:

Printed Name: [Signature]
Address: [Signature]

(Written Comments on Back)
I have not been silent. I feel our North Shore neighbors are spreading untruths and half truths in an attempt to stop programs they knew nothing about. America needs a strong defense and Russia is not the only enemy. Every day, every decade, will bring a new bully for the day.

[Signature]

Dear Honorable Elected Officials:

By this letter, I affire my support for the Pacific Missile Range Facility, its people, and its programs. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIS determines.

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Yours Truly,

Signature

Printed Name

Address

(WRITTEN COMMENTS ON BACK)
What the dam guys are worried about, they have underwater missiles operating there, and they can drop it on us any time they want so what's the hurry.

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAHEE
SENATOR LEHU FERNANDEZ BAILING
REPRESENTATIVE KIRI KANNU
REPRESENTATIVE BERTA KAWAKAMI
MAYOR JOANNA YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

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Yours Truly;

Signature
Printed Name
Address

(WRITTEN COMMENTS ON BACK)
TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHIUA FERNANDES BALLING
REPRESENTATIVE EZRA KANOHIO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOHN YUKIMURA
KAUA'I COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its programs. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIS determines.

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There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers of the base and of the many programs at PMRF, that they are doing everything they can to assure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Yours Truly:

[Signature]

Printed Name

Address

(Written Comments on back)
Be prepared. Don't wait until then.

Countries are well prepared. Like in World War II,
we had equipment from World War I.
In addition to the concerns mentioned above, I am
appalled by the lack of concern for human values and the
state of nature. The sight of tourists and the "high
borders" that surround the state of Maui is indicative of a
culture that values income over environment. The
borders serve as a reminder of the human impact on the
natural world.

It is in this context that I propose the following:
1. Natural beauty is the concern of the state of
Maui and the other 50 states. The state of Maui should
be incorporated as a national park or reserve.
2. The interests of the state of Maui and the
other 50 states should be protected.
3. The borders should be removed and the
state of Maui should be left in its natural state.

Sincerely,
K. L. J.
As a resident, I believe we should back up this project because of the relations within the community. We are going to be like Pearl Harbor. Are you going to support the decision or try to destroy it? The people in the area are interested in this project. There will be more crime and pollution. Thank you for your consideration on this matter.

[Signature]

EX92

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL AMBRODIO
GOVERNOR JOHN WAINEE
SENATOR MAU PANZER
REPRESENTATIVE EDNA KAMANO
REPRESENTATIVE BERTHA KANINAKI
MAYOR JOHNN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I express my support for the Pacific Missile Range Facility, its people, and its programs. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIS determines.

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There are many people like myself who have been silent throughout this controversy, and feel that it is time to be heard. I am registering my confidence in the managers of the base and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's highest tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Yours Truly,

[Signature]

Printed Name

Address

(Criteria for Approval)
I've built my home and my roots in Kauai. I have ties with the local community. PMRF is a vital part of our economy. It supports thousands of families who rely on it for their livelihood. It’s been a cornerstone of our identity. PMRF is not just about defense, it’s about our future. It’s about our quality of life. Please keep the program going.

Sincerely,

[Signature]
As an employee of Kekaha School, PMRF has been a welcomed neighbor. Throughout the years, the children of Kekaha School have received many services from the personnel at PMRF. They have always been supportive and generous whenever the school was in need of assistance. Should a shut down occur, the employees of Kekaha School will suffer a big loss.

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. IEEYU
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. KIM
REPRESENTATIVE KEITH MABIGER
GOVERNOR JOHN WAIHEE
SENATOR LEOHIA FERNANDES BALLEGO
REPRESENTATIVE EDNA KANAI
MAYOR JOANNA YUKINURA
KUAUI COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I reaffirm my support for the Pacific Missile Range Facilities, its people, and its progress. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIS determines.

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PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Yours Truly:

[Signature]

Printed Name: [Name]

Address: [Address]

REJ 0277

(Written comments on back)
I support PMRF fully. My father worked there for over 15 years and my brother also worked there. I believe all this controversy is a pile of bull. I’ve been to several of the rocket launch and every precaution is taken by Sencor Laboratories to ensure no one gets hurt.

They also send a letter at the slightest hint of trouble. The people of PMRF work very hard at these jobs and should be supported by our government as much as possible.

Please don’t let a bunch of fools ruin 100’s of lives and destroy families who work for a living.

Sincerely,

[Signature]

---

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. INOUYE
REPRESENTATIVE PATSY M. MINK
REPRESENTATIVE HEI, KAOHEHONGE
GOVERNOR JOHN WYEICE
SENATOR LEIHU AINAHAHOLI BULLING
REPRESENTATIVE EELA KANOHA
REPRESENTATIVE BERTHA KAHAWAI
MAYOR JOSEPH YUICHIRA
KAILU COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its program. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—enough that it is to stop the program altogether, regardless of what the EIS determines.

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There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers and the base and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Yours Sincerely,

[Signature]

Printed Name

[Signature]

Address

(Written comments on back)
March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature: ____________________________
Printed Name: ________________________
Address: ______________________________
City/Zip: _____________________________
March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

To whom it may concern,

I'm a firefighter at the Pacific Missile Range Facility. The work I do is for and at PMRF. I know it burdens and saddens me that those people are trying to stop the SDIO Programs. By withholding these SDIO programs it weakens our capabilities to surveil and train. Therefore, we could be at risk of our enemies who, these people don't realize about all the people who work here and their families who depend on PMRF in their livelihoods. So, this is why I'll stand behind on company and the SDIO Programs to go ahead and continue with their programs. Also, Kauai's economy would be devastated by the loss of PMRF.

For this reason I say people who oppose the SDIO Programs are not concerned with our nation's welfare about defense.

Pam R. Warren

Signature

Printed Name

Address

City/Zip
TO WhOM IT MAY CONCERN:

I WISH TO SHOW SUPPORT FOR
THE SDIO PROGRAM AND THE PACIFIC
MISSILE RANGE FACILITY.

MY JOB, FAMILY, FELLOw WORKERS
DEPEND ON EMPLOYMENT TO SURVIVE.
WE FEEL MISSILE LANcHES ARE
SAFE; AS RECORDS WILL SHOW.

PACIFIC MISSILE RANGE FACILITY HAS
BEn PART OF MY LIFE FOR THE PAST
13 YEARS AND HOPE TO KEEP IT FOR
THE REST OF MY LIFE.

MAHALO

NAN E CHIBA

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are
safe. As an employee of the Pacific
Missile Range Facility I would not stand
by and let anything hurt my family,
friends and neighbors. Missile launches
have been conducted safely from Kauai
Test Facility at PMRF for many years.

Signature  WInsty Eesy
Printed Name  WInsty E. Yow
Address  P.O.Box 984
City/Zip  Kauai, HI 96735
To Whom it Concern

24 March 1992

I am for P.M.R.F. AND THE STARS program for they support my family. It would be very hard to raise families without a job.

I have been at P.M.R.F. for 14 years and I'd like to keep P.M.R.F. for ever.

Our children can go to college get an education and return to Kauai and have jobs available for them at P.M.R.F.

Thank you,
Weinfurt Nelson

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature: __________________________
Printed Name: ______________________
Address: ___________________________
City/Zip: ___________________________
March 24, 1992

Concerning the SDIO programs on Kauai,

I am an employee at PMRF and I don't see why all the people don't like this base. The missiles aren't meant to hurt anyone. These missiles are for our future and children's future. Don't let those people who think, they know everything about this situation judge the program. The Government should do what is right and keep this base open to better our national security.

Thanks

[Signature]

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature: [Signature]

Printed Name: [Printed Name]

Address: 6330 Kipapa St.

City/Zip: Kapehu, HI 96746
March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature: 

Printed Name: JAMES D. KLEIBRIUM

Address: BOX 1104

City/Zip: LAAAI, HI 96765
To Whom it may concern,

I am a member of the PMRF Fire Dept. and a strong supporter of all operations that go on at PMRF. It saddens me to hear people not supporting the United States of America for the price of freedom. Please support us in our efforts to maintain our jobs, pride and freedom.

[Signature]

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature

Printed Name: HENRY R. CHINEN

Address: P.O. BOX 1133

City/Zip: KAWAHA, HI 96732

*Note: I've read the Draft EIS and concer that these launches are 100% safe!"
March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature
Printed Name
Address
City/Zip

To whom it may concern,

I would like to say what peace in the only undamaged training target in the world. I think what the new forces use to train us is the GMD that do not go through thehang Defense System that will intercept the incoming missiles and also war-tense at its target, plus the military is helping Kauai's economy. I want to say that we are proud of our military.

Signed, [Signature]

[Handwritten note]
March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let’s pick up the count.

Signature: Lawrence Mikowsky

Print Name: Lawrence Mikowsky
First of all, you liars, wussies, little sons-of-bitches, bastards—let me say how typically callous and disrespectful it is of you to make us stand here at your orotund level, symbolically ready to kiss your ass.

(To audience) I hold in my hand the biggest pack of lies yet from the most notorious liars on the face of the planet—the U.S. army. Who would believe that these asses could come up with a bigger piece of deceitful garbage than their last pack of lies—the environmental assessment.

But why not? They're not here to really listen to us. They're here because they're legally required to sit here while we talk ourselves blue in the face to no avail.

But even though I'm no farmer, I know bullshit when I see it.

(To army) Please you murdering pack of money-creased jacksasses—please send me ten more copies of your pack of lies—I need more toilet paper.

I'm furious. I'm more than furious—I'm seething with venom for you, Kangaroo, for you, and for your mouthpiece, that dishonorable blowhard, Senator Inouye.

I'm not gonna stand here and thank you for the opportunity to let you ignore me. I can't believe the parade of brave and intelligent people who've come up here and read the words that they wrote in anger with meek, submissive voices. Now is our turn to show our outrage.

In their name, here. (Start tearing, wiping and throwing pages) Here's what I think of your god damn B1G. Take it back and shove it up your collective asses.

March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up the count.

Signature: 
Print Name:
March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature: _______________________
Printed Name: ___________________
Address: _______________________
City/Zip: _______________________

March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up the count.

Signature: _______________________
Print Name: _____________________
DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENIOR DANIEL K. AKANA
REPRESENTATIVE PATBY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENIOR LEHUA FERNANDEZ GALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAUKAKA
MAYOR JOANNE YUKIMURA
KUAII COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its programs. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIS determines.

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PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Yours Truly,

Signature
Printed Name
Address

(WRITTEN COMMENTS ON BACK)
And because we care about each other, we learn to listen, even when it's hard to do. Whatever your position on STARS, I know we all — each one of us wants our children to grow up in a world at peace. World Peace does begin with me, with you, with us. We create the beginning of a peaceful world by how we relate to each other here and now tonight!

Before I make specific comments on the Draft Environmental Impact Statement (DEIS), I wish to make several acknowledgements.

First, to Senator Daniel K. Inouye, for his pivotal role in ensuring that this EIS process would occur.

Second, to Lt. Col.高潮, Mr. Gallien and the other members of the project for the professional way in which they have gone about their jobs. I believe these gentlemen have sincerely attempted to get as broad an input as possible.

Third, to Captain Mullins for his honest and exemplary leadership. I have appreciated how Captain Mullins and his staff have been straightforward with the community and avoided any sensationalism. I am very impressed with his commitment to the community. Kauai is lucky to have such a fine leader at PMRF.

Before I begin my specific comments, I wish to reaffirm publicly my commitment to PMRF and the men and women employed at the base. I have always said that the PMRF is an asset to Kauai. It is the high tech center of our community — the place to which our highly trained young people return to seek jobs after they get their degrees. As the Draft EIS indicates, the average salary is higher at PMRF than with the County or the State. It is a world class training and testing facility having a match no where else in the world with its 1,000 square miles of electronically monitored ocean floor. It is the only place in the Pacific where you can have underwater, surface and air operations/monitoring. It is a very important employment center and industry for Kauai, especially the Westside. And it has been a source of volunteer and community assistance that enhances life on Kauai.

Let us be clear of the County of Kauai's and my commitment to PMRF.

Let us know that this hearing is about a project at PMRF, that this hearing gives us the opportunity to analyze the STARS project, and that this project of the U.S. Army needs to be independently scrutinized for its potential impacts on our community.

I would hope that we can all recognize this, so that anyone who questions the project is not automatically labeled as being against PMRF. If the STARS project is a good one, it will withstand scrutiny. This scrutiny is important for our environment, for our economy and for Kauai's future.
Let me now begin with my comments. My concerns fall into basically four areas:

**STARS Benefits Questionable**

First, an EIS covers not only the potential negative impacts, but also the benefits. Thus, the first question we all need to address is what is the benefit of the STARS program to our nation.

In recent months, the longstanding doubts of the STARS program have come to a crescendo, summarized in recent articles in *Newsweek* (3/23/92), *The New York Times* (2/22/92) and *Washington Post* (3/11/92) which are attached to my testimony. From the original SDI concept of a perfect shield to the more recent evolution of ground-based missiles, the actual feasibility of the objectives of the STARS program is under serious question. I call your attention to other attached articles in which experts are challenging the alleged effectiveness of even the Patriot missile. Especially in this time of national recession and savings and loan bailouts, the American public is less and less willing to spend hundreds of billions of dollars on a "pipe dream." In my mind, the benefits of the STARS program have not yet been shown.

**Ozone Depletion**

As for the negative impacts, while solid rockets are responsible for only a tiny portion of total ozone depletion worldwide, they are among the largest single source of ozone-depleting substances. Given the particular problems of the ozone layer above Hawaii which we hear has been thinning out more rapidly than expected, and the importance of our sun-oriented visitor industry, I believe particular weight must be given to the issue of ozone depletion. As pointed out in testimony of Sierra Research, the DEIS has very little quantitative baseline data on existing air quality conditions. It also fails to properly evaluate impacts to the ozone layer over Hawaii. The quality of Hawaii's environment -- specifically, air quality and ozone protection -- is so important to the visitor industry and economy of Kauai and Hawaii that it can not be compromised.

**Public Access to Beaches**

One of the key components of life on Kauai and visitor satisfaction is the enjoyment of the shoreline and beaches. I am deeply concerned about the issue of access to a very popular coastline. According to the DEIS, one portion of the "Major's Bay to Polihale coastline" will be closed to the public for about two months out of the year. In addition larger areas will be closed for actual launches. Although each launch will take three hours to clear the area according to the DEIS, there could be more than one rehearsal per launch -- i.e., "false alarms," so to speak, which occur when the procedures do not result in a successful launch -- or when delays occur and lengthen closure time of the area. Furthermore, we know there will already be greater than four launches cumulatively. And STARS could just be
the beginning of more. Added to the times when regular PMRF testing and training require closure, the STARS program could gradually whittle away the public's right of access to the beach and ocean. Given the growing number of residents and visitors, this is a very precious part of our lifestyle, especially the Westside lifestyle, that must remain intact.

**Transportation of Hazardous Fuels on Public Roads**

One of the key issues to me as Mayor, is the issue of public health and safety. I had thought that all transport of hazardous fuels would be by air and sea, not by public roads. However, the DEIS indicates that if sea conditions are poor, the alternative plan is to move the hazardous materials by public highway from Port Allen to the base. This is not acceptable to the County as the dangers are not worth the risk. I wish to note also that while Fire and Civil Defense, the two County agencies dealing with hazardous materials, have been consulted in the process, they have not been included in any of the transportation procedures or emergency planning, and this concerns me greatly.

Lastly, as Mayor of this County, my concern is for the spirit and identity of the islands of Kauai and Niihau. As we perceive ourselves, so we are, so we continue to grow and become. There is this special place of ours -- Kauai and Niihau -- where there is a special bond of a people to a land. It is a **positive image**. As a part of our own identity, and as an economic factor.

In our visitor industry, the image of Kauai as a STARS launching site is not a positive one. For example, Point Muyu is known primarily as a missile launching site. We cannot, as a visitor destination, afford to have Kauai be known as a STARS missile launching site.

We see ourselves, and we constantly strive to be, a place of peace and aloha. To be known as the site of the STARS missile launching is contradictory. It is incompatible with the gentleness and beauty of our land -- the sparkling ocean, the sweeping landscapes of cane and open spaces and mountains. Especially if there is a bad accident, aside from the safety of our community, imagine what the image and reputation of Kauai will be. Imagine what impacts it would have on our visitor industry. It is important -- for us -- and our economic health, to have Kauai continue to be known for its specialness. An island of unspoiled scenic wonder, an island with that special quality of life.

In summary, the actual benefits of the STARS program have not been shown. Indeed, there are very serious doubts about the viability and value of the program to the defense of America. Instead of funding speculative ventures, let's give more money to the training and development of our armed services, which would hopefully give PMRF more work and income. And let us work on strengthening nuclear nonproliferation agreements and limiting missile technology transfers and arms sales -- real improvements
in international security.

And let us not compromise the environment, visitor industry, the economy, or the lifestyle of the people of Kauai.

A Safety Net Full of Holes

After nine years and $30 billion, new charges brand the Star Wars defense effort a fraud
...
It's Lunacy to Keep 'Star Wars' Alive

By Flora Lewis

WASHINGTON, D.C. (AP) - The U.S. and Soviet Union are working on a treaty to reduce their strategic nuclear forces, but the agreement will not only reduce nuclear warheads but also cut back on the nation's research programs in the field of space-based missile defense.

"It is mindless to develop new devices that may or may not work but would surely promote the technological arms race the world wants to end," the author writes.

"It is easier [for bureaucrats] to find a new argument than to find a new job," the author adds.

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Star Wars' Plan Invites Problems, GAO Warns

By George Leventhal Jr.

The Strategic Defense Initiative Office (SDI) of the Department of Defense, which is responsible for the development of a national missile defense system, has been criticized by the Government Accounting Office (GAO) for its plans to develop a space-based missile defense system.

"The Star Wars program is proceeding," the author writes.

"The Senate has approved the bill, which is going to Congress," the author states.

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The Washington Post

Wednesday, March 11, 1992
This is a representation of a 3 x 4 foot painting sent to Ambassador Henry Cooper.
CHAPTER 2
COMMENT LETTERS
CHAPTER 2

COMMENT LETTERS

This chapter presents copies of the comment letters received during the public comment period. The public comment period ran from February 28 to April 13, 1992. A total of 510 comment letters were received during this period. Included in this section are copies of letters received by Senator Inouye regarding the Strategic Target System Draft EIS (WR329 through WR495). The commentor number appears in the upper left corner and categorized comments are shown in the right margin.
Dear Lt. General Hammond,

I am a mother of two young sons who live on Kauai. What can I do to convince you that to continue with the STARS program would be a disaster to our island? Both in safety terms and when you consider how this will effect tourism (our main money maker) as well as polluting the air, land and sea. I can seriously think of better things to do with these missiles and better things to do with the land spent on the STARS project. I understand you have the final say on whether this program will become active. Please don't let it happen. I feel that Kauai is an unspoiled paradise and I feel safe here. I would not feel safe if these missiles were launched. Yes, I have read the statistics. Please consider my letter and request. Thank you for putting yourself in my shoes.

Sincerely,
Ruth Ann Lester
6596-A Kuhau St.
Kapaau, Hawaii 96746

The February 1992 DEIS for STARS does address many important issues which were not adequately treated by the original STARS Environmental Assessment (July 1990) or by the Supplement (July 1991), but there are still some serious deficiencies. Areas that need more work are possible launch failures, the impact on air quality, and the cumulative effects of all launch activities at the Pacific Missile Range Facility (PMRF).

In page 4-53, it is stated that it is unlikely that any flight would have to be terminated because of an overall system reliability of 97 percent and a higher individual component reliability. Presumably most components can be tested separately to determine their reliability. One could then calculate the reliability of the whole system assuming that failures of components are independent. Is this the overall system reliability determined? The crucial test of this calculation is to actually do test launches of the entire system. Some information should be given about the results of previous test launches of orbital boosters to allow a better judgment of the likely reliability of the STARS booster. It should also be noted that, if the probability of a successful individual launch is 97%, the probability of 40 successful launches is only 30%.

The scenario described on page 4-53 in which the booster is destroyed because it has pitched back toward the island should be considered in more detail. This scenario is similar to the Ariane launch failure at Cape Canaveral on Aug. 20, 1991. Press accounts of the Ariane failure stated that the destruct command from the ground was issued 23 seconds into the flight and that burning debris hit the ground a few miles from the launch pad. The STARS BIS should indicate to scale on a map of the area around PMRF where debris from a similar failure would hit the ground. The Ariane failure also calls into question whether a similar STARS failure could be detected and the destruct command issued in 13.1 seconds, as assumed in the DEIS.

2) The discussion of the TRPUF and REEDM computer models used to calculate the concentrations of hydrogen chloride, carbon monoxide, and particulate matter is still inadequate. No detailed evidence is given to support the preference for the REEDM predictions as the better estimator. It is hard to understand why these two models should give results which differ by factors of 10 to 100 and, incredibly, the comparison of the models was not done for the same wind speed. In Tables 3.1 and 3.2 of the Supplement to the STARS EA, TRPUF results are given for a wind speed of 0.46 m/sec but these results are not included in Tables 4.3 and 4.5 of the DEIS. These results are important because the carbon monoxide concentration is predicted by TRPUF to exceed the Hawaii 1-hour air quality standard at the boundary of the launch hazard area. The REEMD results in the DEIS also do not seem consistent with those given in the Supplement. For example, the peak instantaneous concentration (which should be nearly independent of the wind speed) of hydrogen chloride at a distance of 10km meters is given to be 0.252 ppm in Table 4.5 of the DEIS but is 0.027 ppm in Table 3.1.
of the Supplement. Such discrepancies cast considerable doubt on the reliability of the results quoted for REEDM. My conclusion is that the information in the DEIS is not sufficient to have confidence that STARS launches will have no significant impact on air quality. The TRPUF and REEDM models need to be compared for the same wind speed and data from previous launches should be used to try to decide which model is the better estimator. Neither of these has been done in the DEIS.

A related area that I feel needs more justification is the fuel vent experiments. These experiments would cause ozone depletion and produce suspected carcinogens and transporting and storing the hydrazine fuel needed for these experiments is very hazardous. For these reasons, it seems to me that the STARS EIS should consider the "no action alternative" for these experiments specifically.

3) The cumulative impacts of all planned launch activities at PMRF need to be clarified and considered in more detail. For example, on page 2-25 it is mentioned that, during the ten years of STARS launches, there would also be three EDX and eight Vandal launches per year in some years. Appendix C indicates that the ground hazard area around PMRF for these launches might have to be cleared as many as thirty times per year. The Vandal launches were not mentioned in the original STARS EA or the Supplement and the cumulative impacts of all these launches is considered only on land use in the DEIS. Other cumulative environmental impacts of these launches also need to be considered, if other major launch programs are contemplated during the ten years of the STARS launches, they should also be included in the assessment of cumulative impacts in the STARS EIS.

Finally, the evaluation of the significance of some of the environmental impacts identified in the DEIS is inadequate. An obvious example is the discussion of freon release on pages 4-20 to 4-21. The 360 kilograms of freon 114B2 (also known as halon 2402) that would be released yearly by STARS launches is compared to the current amounts of CPCs in the stratosphere, but no mention is made of international agreements such as the Montreal Protocol, whose goal is to reduce dramatically the production and use of these ozone-depleting chemicals. Viewed in the context of these international efforts and efforts by the State of Hawaii to protect the ozone layer, freon release by the STARS launches looks much more significant. In other areas, judgments of significance are more subjective but the DEIS seems to have an equally self-serving view. Increasing the fraction of time that parts of the PMRF recreational areas are closed to the public from 30% to 58% may be more significant to residents and visitors to Hawaii than to the authors of the DEIS. One wonders if the DEIS authors would consider an increase in their income tax rate from 30% to 58% to be significant.

Michael Jones
Physics Dept.
Univ. of Hawaii
2505 Correa Rd.
Honolulu, Hawaii 96822

[Manuscript]

Deputy Commander F: on missile testing in Hawaii.

As a concerned citizen of Hawaii, I demand that you keep missile testing off our island. You people have no idea of the delicate balance of the environment here. The impact and hazards are too great to overlook.

I suggest you test the missiles in your own backyard — see how you like it.

We don't want any part of your Star Wars program on our peaceful, beloved island. (Signed)

Mona Lcelker
2-5-92
February 27, 1992

Col. Robert E. Trotth
Acting Deputy commander
Department of the Army
U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Col. Trotth:

This is written to acknowledge the receipt of a copy of Draft Environmental Impact Statement (DEIS) for the Strategic Target System program at the Kauai Test Facility (KTF). On behalf of the faculty and staff of the Learning Resources Center, I would like to express our sincere appreciation to you for sending this copy to our Learning Resources Center.

We look forward to your continued support.

Sincerely,

Birdie O. Wells, Director
J. F. Drake Memorial Learning Resources Center

March 10, 1993

Dear Sir:

I want to let you know that I am against the establishment of the STARS program here on the island of Hawaii. I am a resident of this beautiful island and feel that the program is too risky for the people that live here and the environment.

Please investigate and choose another location. Thank you.

Sincerely,

Kathie J. Mackey
Kauai Health, NHL
Kauai, Hawaii

March 10, 1993
March 19, 1992

To Whom It May Concern:

As a citizen of Kaua'i and of the world, I want to register my dislike, disapproval and disgust regarding the U.S. Army's testing of its Strategic Target System at Barbara Range, or anywhere else. In my study of the Army's draft EIS, the main purpose of Reagan's Star Wars program is to seek out and destroy "enemy" intercontinental ballistic missiles coming toward us from some mythical bad guys.

Wake up Americans! We are the enemy! We just pulverized hundreds of thousands of people into dust in the Persian Gulf, so that our President and his military-industrial/bureaucratic profit-seeking friends can continue to get rich at everyone else's expense. They conveniently left Hussein alive, so they can justify their outrageous defense expenditures into the future, like the Star Wars program.

Not content to bring misery, starvation and death to millions of innocent people in other countries, the military now asks our permission to test their death machines over our very heads, on this island which they stole from the native people in a military takeover ninety nine years ago. They want me to agree that their own EIS mitigates all concerns that we may have. Of course it doesn't. It's a self-protection scam put together by the Army's Strategic Defense Command in Huntsville, Alabama. My concern is that the Star Wars program continues to exist, at all.

I urge my fellow citizens to speak loudly against this disastrous course of action, and further, to demand that the Army closes down it's PMRF base, gives the land back to the Native Hawaiian people, and leaves the Hawaiian Islands forever.

Angrily, Fred Dente

cc: U.S. Army Strategic Defense Command, Huntsville, Alabama
The Kauai Times, Lihue, Hawaii
Responsible Citizens For Responsible Government, Hanalei, Hawaii.

147 Royal Drive
Kapaa HI 96746
March 16, 1992

Deputy Commander, USA SDC
CSSD-EN-V (R.K. Gallow)
P.O. Box 1500
Huntsville, AL 35807-3801

Dear Sir:

I am writing with the strongest plea possible to urge the SDI Program to be removed from my island, Kaua'i. Numerous reasons underlie my concern, one of the strongest relates to efforts currently under way to provide native Hawaiians with at least the same rights as other native Americans. In creating a sovereign Hawaiian nation it is imperative that lands illegally taken from them be returned to their governance, Hawaiian homelands near the Pacific Missile Range Facility may well be incorporated in the Hawaiian nation. You, no doubt, are familiar with steps taken by the Congress at the initiative of Sen. Daniel S. Inouye regarding Hawaiian sovereignty.

Launching a long-term SDI testing program next door to land that could someday mean homes for native Hawaiians may not be a wise investment of Army resources.

Please hear out the people of Kaua'i before they are forced to civil disobedience.

Sincerely,

Robert E. Levine
ClibPDF - www.fastio.com

As an environmental engineer with a background in aerospace, I find the Draft Environmental Impact Statement (DEIS) an interesting study of the effects of a new research program involving the launch of rocket systems. While I found the document to be generally well thought-through and professionally prepared, there are a few areas with which I would like to take issue. I will attempt to deal with them in the order in which they are presented in the DEIS.

2.1.1 Flight Preparation

- Approximately 45 additional temporary personnel will be required for all Strategic Target System operations.

- At no point in the rest of the DEIS are the impacts of these personnel on the environment discussed.

2.1.1.2 Booster Flight Preparation

- First Stage Booster Reliability

- Cone-to-coaxial insulator separation has been shown by studies and testing not to affect ballistic performance.

- What is the source of this information?

4.3 Air Quality

4.3.1.2 Launch Activities

- Aluminum Oxide and Particulate Matter

- In this section, possible problems were suggested, but were quickly discounted by first designating the chosen TRPUF model as only a "screening tool," and then stating "Aluminum oxide is considered as an oxidizer having no significant toxic effects to humans."

- If this is true, why was it considered at all? And upon what is the "no significant toxic effects" based? What is "significant" entail? As one who has dealt with the fumigation of using animal models, and one who has seen a great deal of circumstantial evidence that causes me to give aluminum respect, I find it frustrating to have this issue brushed away casually.

- Carbon Dioxide Level

- Most everyone's contribution to the greenhouse effect are "minute." Yet every minute adds up.

- Also, the effects of transport of the materials, personnel, etc. for the project are never discussed. Increased motorized traffic and aircraft or boat journeys from the mainland contribute to the impact on the environment, especially air quality, as well as the fragile carrying capacity of the island.
March 25, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-ER-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Subject: Comments on Draft Environmental Impact Statement for the Strategic Target System

Dear Mr. Gallien:

Enclosed please find our comments on the air quality portions of the Draft Environmental Impact Statement for the Strategic Target System program proposed for the Kauai Test Facility and Pacific Missile Range Facility. The comments indicate a number of areas where we believe the Draft EIS is inadequate.

Please don't hesitate to call if you have any questions or need additional information.

Sincerely,

[Signature]
Gary Middlestein
Senior Partner

ccl

c: w/encl
Maurice Joann Yukiura, Kauai County

Comments of Sierra Research on the Draft Environmental Impact Statement for the Strategic Target System

March 19, 1992

The following comments address the air quality related portions of the Draft Environmental Impact Statement for the Strategic Target System, dated February 1992.

1. The DEIS fails to describe the existing air quality and emissions sources in the vicinity of the PRF in adequate detail.

The discussion of existing air quality in the vicinity of the PRF is limited to a single paragraph (p. 1-13) which states that "air quality in the vicinity of PRF and KTF is generally excellent". This treatment of the environmental setting is inadequate to allow for an analysis as to whether the air quality impacts associated with the STS, in conjunction with existing air quality levels, could result in significant cumulative air quality impacts.

In particular, this discussion of the affected environment should include a summary of particulate data from the Lihue monitoring station for at least the last five years, along with a discussion as to how air quality at the PRF would likely compare with the measured data in Lihue. In addition, available data from other monitoring stations (either on Kauai or on neighbor islands) should be summarized to present a general description of existing air quality levels at PRF. The Hawaiian Department of Health should be consulted to determine which monitoring stations would be most likely to represent conditions at PRF.

The discussion of existing emissions sources at PRF and KTF is similarly inadequate. This section should be expanded to include an estimate of emissions in recent years associated with the following sources:

- PRF Diesel-powered generators
- KTF Diesel-powered generators
- Rocket, drone and target launches from the facilities
- Burning of cane fields
- Vehicle traffic associated with PRF and KTF
- Material/supply deliveries, employees and visitors
These data should be presented on an episodic basis (e.g., per day of activity) and on an annual basis, for comparison with the increased emissions associated with the proposed project.

2. The DEIS fails to quantify the estimated emissions associated with construction of STS support facilities.

Construction dust emissions were identified as one of the air quality issues during the scoping process (DEIS, p. 1-6). Despite this fact, the DEIS contains no estimate of construction dust emissions, or of the impact that these emissions would have on air quality in the vicinity of the PMRF. The DEIS should contain an estimate of dust emissions, as well as of emissions for criteria pollutants from construction equipment. Any mitigation measures which are a project design feature, such as the water application measure discussed at p. 4-6 of the DEIS, should be described in detail (i.e., frequency of dust suppressant application, type of suppressant used, etc.).

3. The DEIS fails to quantify the emissions associated with solvent use, storage and handling.

Although the DEIS indicates that "small quantities" of industrial solvents may be used for cleaning during vehicle assembly (DEIS, p. 4-6), no estimate of emissions associated with the use, storage and handling of these solvents is presented. The DEIS fails to provide adequate information to allow a reviewer to determine whether the quantities involved are, in fact, "small".

4. The DEIS fails to discuss the emissions associated with the transport of fuel and vehicle components to the PMRF and KTF.

The DEIS indicates that the main components of the STS vehicle (booster, payload, control electronics, navigation system) are tested in the continental United States and shipped to KTF for integration into the flight configuration (DEIS, p. 2-6). However, the DEIS fails to discuss the emissions associated with the transport of these components via aircraft, ship/barge and/or truck to the KTF. Emissions for each potential transport route should be estimated and included in the project emissions totals.

5. The DEIS fails to discuss the additional emissions from increased Diesel electric generator operations associated with the STS project.

At several locations in the DEIS, the presence of Diesel electric generators at the PMRF and KTF is mentioned. (See, for example, p. 3-15, p. 3-47, and p. 4-71.) The DEIS indicates that KTF operates two 300 kW Diesel electric generators which switch on automatically at any time KTF demand goes over 120 kW (DEIS, p. 3-47). The DEIS further indicates that STS demand for electricity will exceed this level (DEIS, p. 4-71), thus resulting in increased use of the two 300 kW Diesel generators.

However, the DEIS fails to quantify the increase in emissions associated with the increased Diesel generator operations. The DEIS should contain an estimate of increased Diesel generator emissions associated with the STS program. In addition, the DEIS should include a discussion as to whether this increase in operation of the Diesel generators is consistent with the authorities to construct issued for the generators by the Hawaii Department of Health.

4. The DEIS fails to estimate the increase in emissions due to increased vehicle traffic associated with temporary support personnel.

The DEIS indicates that flight testing and launch activities for the STS program would consist of up to four launches per year over a ten year period (DEIS, p. 4-73). The DEIS further indicates that each launch would require approximately 45 temporary support personnel for a one month period. However, the DEIS fails to estimate the increased emissions due to the increased vehicle traffic associated with these temporary support personnel.

7. The DEIS fails to properly estimate the oxides of nitrogen (NOx) emissions associated with launch activities.

The DEIS identified emissions of nitric oxide (NO) as a significant issue raised during the scoping process (DEIS, p. 1-9). However, the treatment of this issue in the DEIS is limited to the conclusory statement that "[the Strategic Target System chemical propulsion system is not reported to produce nitrogen oxides emissions] (DEIS, p. 4-18). This statement is not supported by technical references, and is inconsistent with previously published information on this subject.

For example, NASA Technical Memorandum 76575, "Launch Vehicle Emission Measurements During the May 12, 1977 Titan III Launch at Air Force Eastern Test Range" (C.L. Croggy, et al., January 1979) reported NOx concentrations as high as 1,000 ppm within the plume of a Titan III launch vehicle. While these concentrations at elevations of 1000-1500 meters are not representative of ground level concentrations, they clearly indicate the inaccuracy of the conclusion in the DEIS.

In a more recent analysis, the Environmental Assessment for the Testing of Solid Propellant Rocket Motors at Edwards Air Force Base (Department of the Air Force, December 1986) estimated a conservatively high NOx emission rate of 22,000 pounds per 2-minute test burn of either a 2-segment rocket motor or a 3-segment rocket motor. This estimated emission rate was determined based on an analysis of the data from the 1977 Titan launches discussed above. If these emission rates were scaled based on the weights of the test motors, the emissions associated with the complete burn of the STS launch vehicle propellant would be as follows:
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Titan 2-segment motor: 208,120 lbs propellant
- 22,000 lbs N2O
- 106.7 lbs/1000 lbs propellant
Titan 9-segment motor: 465,800 lbs propellant
- 22,000 lbs N2O
- 47.2 lbs/1000 lbs propellant
STS motor: 30,451 lbs propellant
- 1,457 - 3,249 lbs NOx

The initial work performed by the USAF in the 1986 Environmental Assessment suggested that NOx emissions were less a function of the quantity of propellant than of the burn time, the size of the plume, and the degree to which combustion in the plume entrained oxygen from the ambient air which, at the high temperatures present in the plume, combines with nitrogen in the plume to form NOx, principally in the form of N2O. Thus, care should be taken before using the above values to estimate NOx emissions from the STS launches. However, the data clearly indicate that NOx emissions from the launches will not be negligible, and should be quantified in the EIS.

March 23, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CUSD-ED-V (G.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807

Dear Sirs,

I am writing in regard to the E.I.S. for the U.S. Army's proposal to conduct "Star Wars" research at the Pacific Missile Range Facility on Kauai, Hawaiian Islands.

It is my belief that it is totally crazy to by spending even one cent on such stupidity in this present world environment. Now that the Soviet Union is no more, who are we supposed to be protecting ourselves against anyway? The 1980's and now the 1990's have shown us that we can ill afford to waste funds on such projects as our entire infrastructure is coming apart at the seams.

Perhaps if there are really enemies of the United States, it will not be those from the outside that may wish to destroy us, but all those responsible for such projects as Star Wars and those who support them for whatever reason. To sacrifice our country for such waste IS truly un-American.

Sincerely,

Samuel J. Morris
1872 Kaliuaua Ave., #705
Hilo, HI 96720
RNS92-43
24 March 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Att#: Paul J. Mullen, Colonel, U.S. Army
Acting Deputy for Operations

Subject: DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM PROGRAM

In my capacity as the General Manager for the operating contractor at PMRF, I have reviewed the subject document and I have concluded that the Army has thoroughly analyzed all of the potential hazards associated with the program. The project does not pose any unusual or difficult scenarios outside the normal capability of PMRF.

Our workforce is completely trained to support the PMRF Commanding Officer in his role as the safety review authority for the project. You have identified the transportation and launch issues very well and the safeguards provided are more than adequate. The pre-launch preparation represents a realistic technical approach to ensure a safe launch.

PMRF, with its present capabilities and proposed future technical upgrades, is an ideal national range to conduct projects such as STARS. The DoD requirement to accomplish more testing and training with less resources mandates combining research, development test and evaluation with training capability on ranges like PMRF. This range has excellent growth potential for special strategic projects due to its geographic location, unrestricted sea and airspace, tracking equipment and experienced workforce.

We believe that national ranges must be flexible enough to shift technical assets and capability commensurate with rapidly changing national priorities in order to provide cost-effective testing and training resources. I feel that the STARS program complements the mission of PMRF and enhances its position for the future.

Receivd, Shilds
Ronald M. Shields
General Manager

WR12
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The Draft EIS is a good report but it is incomplete. It does not address, in particular, the benefits of using the island of Kauai, if the STARS program is approved.

I respectfully submit that Kauai’s interests do not justify the overall plan from the Military. We on the island are merely a geographically convenient launching pad for the firing of missiles. The potential for accidents in power.

In today’s world we must seek other ways of achieving global peace. Non-firing the war machinery is an outdated way of promoting peace.

Not in least of my concerns is the plight of the Marshallians now living in tiny atolls, having been displaced from their homeland on Kwajalein. Missiles shot from Kauai will be aimed toward Kwajalein. Signed

[Signature]

Address: Maria C. Snyder, M.D.

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

City/State/Zip Code (814) 974-4414
March 23, 1992

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EM-Y (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Re: EIS for Strategic Target System, Kauai, HI.

Dear Mr. Gallien,

As a tax payer, I am not in favor of spending tax money on the Strategic Target System.

My comments are about the section in the EIS paragraph 4.12, Socioeconomics. This section is very poorly developed in the sense of the costs to the people in Kauai of their tax money being spent on the system. No figures are given as to how much it will cost each citizen. Additionally, no estimate is given for if the money that is being spent on fuel and hardware were spent in a more productive manner what the effects would be on the socioeconomics of Kauai. Jobs could be created if the cost of the project were given to Kauai County. They could improve the homeless situation, improve the parks, schools, and roads. These projects would definitely add jobs and improve the quality of life as well.

The other longrange concern has to do with the brain-drain of scientists in our country to continue working on useless military projects when they could be solving other problems. Alternative energy sources, improved machines, and many other creative projects could be developed if our scientists could be free from spending so much time on useless military projects.

Investing in our children as scientists by spending the money on science classes would be a longrange socioeconomic benefit and the cost of not doing that should be expressed in an EIS that talks about socioeconomics. The money for one launch would pay for many computers in our schools.

Kauai is not the place to launch the system and I believe it should not be launched anywhere else, either.

Sincerely yours,

[Signature]

E. Woodward, Ph.D.
Suite 3030-129 Kauai Hiway
Lihue, HI 96766
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Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I support the "NO ACTION ALTERNATIVE." Our environment is an economy. We cannot put even ONE dividend. PLEASE stop this program IMMEDIATELY.

Sincerely,
Brick Fraser
P.O. Box 930
Honauti, HI 96714

Name ___________________________ Address ___________________________

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENY (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
Dear Sir:

A lot of work and money have gone into this D.E.S., but I still must protest. The military's plan to shoot Polaris missiles from PMRF to Kure Island in the Marshall Islands is time to honor treaties and stop this "arms race." The island of Kure is too fragile. Any accident could, and might happen.

Our military has overspent and overvoted and to many of us, "D.E.S." is just another way to waste money that could be spent helping our citizens. Our national debt is a disgrace to our government and we say to stop the flow of unnecessary (S.D.R.) spending.

It is also immoral and inhumane to move an island people from their homes in order to have a "target." The people of the Marshall Islands should be permitted to live.

Name: Eugene Hutchins

Address: P.O. Box 3188

Princetown, N.J. 08522

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3501
to return to their home islands. When one thinks of "Quality of Life" for Americans, one must also think of "Quality of Life" for the Marshallese.

Let's get those "STARS" out of our eyes.

Do what is right!!

Sincerely,
Jennie Hukilapu

cc. Sen. Dan Inouye

---

March 28, 1994
Queen's Dys. Rm
P.O. 175
Honolulu, HI 96814

Dear Mr. Ballin,

You must realize by now that the people of Hawaii are serious about not having the facilities...

Please do not disrupt our peaceful island and turn it into a death peddler against life.

Please put a halt to the nuclear - TR grounds and to special sacred...

Sincerely,
Billion [signature]
Written Comment Sheet

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Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Vallely Sheka are very beautif - now men
destroy it badly.

Hear we are beautifl - now look at it!

Don some eaty for our children - please use
your heat a mind to - that is why they
come on the same package.

To whom it may concern,

In reference to alternatives eliminated from further consideration (sect 2.3) I would like a united States recognised international law expert.

Thank you for handling our personal safety, our homes, our lives or children in a mature and responsible way. I try everyday to do something nice for
the next person. I am giving you the opportunity
to be the same.

Thank you very much,

Jana Livingston
Box 833
Hawaii, Kauai
96714

Name: Jana Livingston
Address: 1049 Hy 100

City/State/Zip Code: Kauai Hi 96743

Please hand this form in or mail by April 13, 1993 to
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSO-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
Thank you for allowing this time to voice my opinion.

My family has been in the islands and PMRF for approximately 27 years, with the exception of a 3 year stint in California. (Of which two of those years were with PMRF.)

1. First of all, I would like to commend the limited few of those in opposition to the STARS launches at PMRF for taking the time to read and try to give some constructive criticism to the EIS process. Were it not for them, our country may be in the chaotic state of other countries around the world.

2. I would like to point out that PMRF and the Navy did not just rubber stamp either the initial EA or the EIS. Many long and hard hours have been dedicated to ensure a safe and successful STARS operation. Long before the initial EA was submitted by the Strategic Defense Command, it was made perfectly clear...that the Navy would not accept the program until certain conditions were met. Certainly not the least of which...was the concerns for the public safety and community relations/consent.

3. The Not in My Back Yard (NIMBY) syndrome seems to be running rampant on other side of the Island, but what about those who's Front Yard is affected, i.e. the Westside and yes the Kewalaein Atoll (which was addressed via a separate EIS). One of you may not know it, but the US Navy and PMRF employ some of the most restrictive safety and environmental requirements of Training/Testing ranges around the globe. If there are those of you in the Front Yard, that still feel uncomfortable about the possible presence of STARS Launches.....please address these in your comments to the EIS.

4. I cannot speak for the US Navy or Capt. Hulens, but wish to discuss a personal feeling as to the loss of PMRF, if STARS does not come to PMRF...NO; it more than likely will not immediately close the Base. But, it will have a definite affect on the reimbursable dollars that have been used in the past to make us the premier training range in the world. As the defense dollars decrease (already a 25% cut next FY in our operating budget...Congressionally mandated), PMRF must continue to obtain Test and Evaluation (T & E) dollars to survive without drastic cutbacks. PMRF is not unique in this area, as all defense projects and support areas are presently doing the same thing. Therefore, I would urge the final EIS to reffect there may be a significant impact to the SOCIOECONOMIC of Kauai.

Respectfully,

[Signature]

[PMRF Employee]
Written Comment Sheet:

Having a degree in science and 50 years experience directing missile and rocket launches from PMRF, I am confident that this program is sound and the
weight of risk is acceptable. Please do not let a mayor and a small political
action group formed and controlled by her (Mayor Joanna Mnimala) decide the
fate of this project.

I have only lived on this island for 6 1/2 years, however in that short
period of time I have made certain observations of Kauai that might help you
make your final decision to go forward with the STARS program on Kauai.

(1) One can drive around the island one time to see where all
or most of the roads end. This leads into making Kauai a better place to live. The
mayor has always helped the East shore communities before the West side gets
any improvement.

(2) PMRF is the only place educated well trained people can get a job on
the West side. From the time many children are in high school till their
middle twenties they go into the service to learn skills needed by PMRF or
attend private universities to bring back those skills to this area. These are
not a bunch of transplants who come in here for a few years and cause trouble
then move back to the mainland.

(3) The few Hawaiian protesters that have a vision of a few receiving a
large amount of land in a false vision that the State will never let happen.
The land in and around PMRF will be sold out in small house lots many years
after the fact or will be exploited for resorts. PMRF is the only thing left
on the West side that blurs development.

It should be noted a mayor that I myself voted for has acted so
irresponsible and broken her oath of office by only representing a few and not
all of the people she governs. Please consider the options and give the people
of Kauai the program they do deserve it.

March 30, 1992

United States Strategic Defense Command
Post Office Box 1500
Huntsville, Alabama 35807-3801

Attention: D.R. Gallien

I would like to go on record as being AGAINST the STARS proposal
on Kauai, Hawaii for the following reasons:

1. As a Taxpayer, I feel too much of my dollar is being spent on
defense and not enough on education, health and the other more
important issues in our country today.

2. I believe the earth will not benefit from these rockets being
fired.....the emissions, the ozone accumulative effect, the area
surrounding the launch site.....all of these issues I feel I haven't
gotten enough information to make me believe the launchings will
have no adverse effect on the environment.

3. The area of Kauai is a special place in the Hawaiian culture.
I believe the government of the United States must come to terms
with their unfair action of 1893 when the land of the queen of
Hawaii were unjustly confiscated.

4. The military personal designated by their yellow t-shirts as
supporters of STARS were very rude during the testimony given in
Lihue last week. The intimidation they caused was a double infringe-
of the right to free speech. it showed the ugliness that military
2.

propaganda can evoke... I think from the information I heard these people's jobs were not threatened... Even if they were, many people in the United States are out of work because of the economic situation caused by the current governmental philosophy of over spending... which brings us back to my first reason expressed in this letter—that of overspending in the area of defense.

Thank you for listening to my plea.

God Bless America.

Sincerely,

Kathleen Steward

Kathleen Steward
9 S.S. 082-36-5069
Box 397
Hanalei, Hi. 96714
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I believe that the very spirit of a nonequilibrium system is taken into consideration here. As a place of healing and aloha, SDI is totally alien to what Kauai stands for. In the sense of commerce, this site that’s been sold to Nukem. Don’t let this site that’s been sold to Nukem for an account of millions for commercial use be developed.

The question I remain is about the impact on Hawaiian historical lands. How is the basic thrust towards economic use to matter of national defense? This is what Aloha is all about.

Name: Howard Shapiro
Address: P.O. Box 261, Lahue, HI 96766

Please hand this form in or mail to April 13, 1992 to: Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN V (O.R. Callen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

March 28, 1992

To Deputy Commander:

I am writing to express my concerns about the proposed missile launch site from Kauai. Kauai is one of the few pristine places where the beauty of nature abounds, low, breathtaking waterfalls, mountains, oceans, the cleanliness and purity of our air and water is what attracts people to our island. This purity, feelings of peace and aloha is what Kauai is about. Missiles in paradise? How can you seriously want to destroy our tranquility, beauty and peace. I don’t wish to see a site of missiles to our Polynesian cousins and take away their right to this island forever. The ozone layer and its dwindling protectors are major problems facing us today. The chemical, the launches will spew into our atmosphere right here on Kauai will further this thinning of the ozone. Here on Kauai sun is so strong already, we cannot afford to do anything that will knowingly destroy the ozone.

AMRA is on crown lands. This land belongs to our Hawaiian people and they should have their land returned, not contaminated by toxic fuel spillage, leakage, or catastrophic launching.
What about our neighbors on Niihau? A catastrophic launch could seriously jeopardize the health and livelihood of Niihau's residents.

The restricted access to Polihale is another issue which is unacceptable to me. The Whales are another major concern. The draft EIS states that they'll check the area for whales and call off the launch if they're there. Well they are there whether you see them or not. They are there. I have seen whales in record numbers this year. For all life, the whales, the dolphins, the sea turtles, all plant life, extinct, near extinct and plentiful varieties, human beings. Please take your missiles away from Kauai. We don't want them.

We can't even get a playground for our children on Kauai, how can you spend so many billions on a defense system that leaves so many open holes elsewhere. Kauai is too small for this kind of missile launch. Kalae rainforest would be threatened due to upper atmosphere prevailing winds that blow inland. Please protect our environment, one of the last pristine, truly magical places in the United States.

Sincerely, Aaron T. David

Raymond L. Chuah
Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The only acceptable alternative on your site is the 'No Action' Alternative. The only Kauai citizens who are really in favor of DOE on Kauai are those who are employed by DOE. Your wording of comment would accurately reflect the opinions of Kauai residents if those letters from DOE employees were taken for what they are, a plea for job security - when actually those jobs are not at risk.

Name: Patricia Paniera
Address: P.O. Box 238 Hanapepe, HI 96716

Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1000 Huntsville, Alabama 35807-3801

To Whom It May Concern:

My way of introduction, my family has resided on Kauai for generations. I attended Kolona Elementary school on Kauai and the Kamehameha Schools and the University of Hawaii on Oahu. After completing a tour of duty in the United States Army, I obtained a BBA in Marketing from the University of Hawaii and a JD from Willamette University in Oregon. I moved to Idaho and practiced law for seven years before returning to Kauai in 1989. My children are enrolled in the local schools, I practice law in Lihue, and my family is involved in various community organizations, citizens advisory committees, and government boards or commissions.

I do not love war; I am personally acquainted with its horrors; and I do not wish my children to have to serve, as many have already.

Name: Hartwell R. Blake
Address: 4314 Rice Street, Suite 202, Lihue, Kauai, HI 96766

Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801
many have already served in this century.

Although defense spending is being curtailed, STARS/SDI research is the only defense related program for which Congress has seen fit to increase appropriations. Kauai is fortunate to already have a facility which can very easily adapt itself to STARS/SDI requirements.

My support for the STARS program goes beyond my hope that PHRF remains a major employer on the island of Kauai. I am aware of the risks involved in the STARS program. However, I believe that the United States Army and the citizens employed at PHRF will take all reasonable precautions to protect themselves, their families, Kauai's residents, public and private property, and our environment.

It is my understanding that the facilities which are already in place at PHRF, together with the deep water open ocean environment bordering Kauai's western shore, the freedom from encroachment of sea lanes and air lanes, and the extreme distance to other island groups and land masses, combine to make PHRF the safest underwater and overwater testing site available in our country. It is selfish to block the use of these available facilities and to send these programs to the continental United States where they pose an increased risk to persons and property.

We live on Kauai because of the tranquility which the island provides to us and because of the aloha which we share with each other. Nevertheless, we should not lose sight of the fact that we are individually responsible as citizens to do what we can do best, to insure a strong national defense, which will not only protect our own way of life, but also foster world peace. We have the capability on Kauai to assist in achieving these goals, and we should not shirk our civic responsibilities.
April 1, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1808
Huntsville, AL 35801

Dear Sir:

My name is Glenn H. Sato, Director of Economic Development for the County of Kauai. I wish to submit comments and questions regarding the draft Environmental Impact Statement for the Strategic Target System Vehicle Launches from the Kauai Test Facility at the Pacific Missile Range Facility on the island of Kauai, Hawaii.

First of all, I wish to state my support for the Pacific Missile Range Facility and its contribution to the economic well-being of Kauai. PMRF has been a good neighbor, employer and contributor to the community. I hope this relationship continues.

I have written and contributed to the preparation of environmental assessments and environmental impact statements. My questions and the resulting answers should contribute to a more complete EIS document and allow for a better determination of environmental impacts. The document as submitted is incomplete and should be revised. Data included in the previously filed assessment must be included in the EIS if pertinent to the discussion. The following are direct comments related to the draft EIS:

1. I wish to inquire as to the process leading to a final EIS. Will the comments be incorporated into a revised draft EIS so the public may examine the answers to the questions about the draft?

2. What are the differences (size, fuel, age, hazards, etc.) of the missiles to be launched versus what has been commonly launched?

3. In referencing the oil/hazardous substances spill contingency plan, are trained HAZMAT personnel on site at all times? If not, why?

4. What are the possible effects of a liquid fuel spill? Is there any possibility of a gas cloud forming and moving to populated areas?

5. Page 4-59, Nitrogen Tetroxide: The exposure tables as shown in appendix E should show the possible effects to humans and animals. What could the "dilute vapor cloud" do to humans and animals? Page 4-59 discusses low level exposure to nitrogen tetroxide fumes possibly causing eye and nose irritation and yellow staining of the skin, yet the following sentence says that "this vapor may cause permanent injury, primarily in the form of burns to the tissue or pulmonary tract." These two sentences are inconsistent and an exposure table with resultant detrimental effects should be provided and discussed.

In addition, all discussion seems to center on transportation methods, however, there is no discussion on mitigative procedures in the event of an unforeseen accident. I am specifically referring to any disaster response plan involving military, state and county personnel. This plan should be in place before any activity and should be properly addressed in the draft EIS.

6. There is a significant lack of quantitative information regarding the existing conditions/environment and very little discussion of the impact of the proposed project on these conditions. For example, ambient air quality studies and baseline biological surveys are lacking. How will anyone be able to say if impacts have occurred and to what degree if baseline data on existing conditions are not available?

The summary on ES-5 states that construction will remove only 0.4 acres of weedy ground cover from an area that is regularly moved. Assuming that additional areas are needed for the entire project, a biological survey should be conducted by qualified biologists and botanists. Impacts from construction cannot be mitigated by relocating plants if the plants are not identified and located before work commences. Construction workers do not usually know a rare plant from a weed.

7. Exactly how many launches are scheduled? The EIS states 4 launches per year for 10 years. Is this still true?

8. Page 4-62, Discussion states that all shipments of liquid propellants will be scheduled to avoid peak traffic periods for roads and to avoid high-use times for harbors and known seasons for rough seas.

Kauai's main thoroughfare from Port Allen to PMRF is a two lane highway with very heavy traffic. Has the
Strategic Defense Command collected data on traffic counts and movements to determine approximately when these periods will be. Traffic data may indicate that the only feasible time would be at night, which may prevent additional safety concerns that should be addressed. This should be discussed in the EIS.

9. What is the approximate timetable for the proposed launchers? The EIS does not address Kauai's known season for rough seas and the possibility that liquid fuels for many launchers may be stockpiled at PPRF. It is inadequate to have the EIS give a blanket mitigative measure and not address specifics.

10. Page 4-68, discussion of ozone depletion centers on the "relatively small quantity of ozone" that could be depleted. Further discussion talks about the release area over the broad ocean area and that no population centers would be in the affected area. Hawaii, in comparison to other areas of the world, generates insignificant amounts of ozone-depleting substances, yet the ozone layer over our state has been significantly affected. It is my understanding that ozone depletion is on a global scale and as such should be discussed in this manner in the EIS.

11. How many days in the year would the safety zone be in effect, from all FPRF operations, in addition to the proposed launchers? There should be some discussion on possible negative impacts to commercial boating activities based out of Port Allen where the 3 mile limit may be detrimental. Reference is made only to commercial fishing activities and not to tour boats. The safety zone lies between Port Allen and the scenic Na Pali coast.

12. Why were County agencies not contacted in the preparation of the draft EIS as indicated in Chapter 7?

I hope my comments and questions result in a more comprehensive EIS that will provide Kauai citizens the proper information to determine the environmental impacts of the proposed program. I will await answers to my questions and the issuance of a revised draft EIS before determining if no significant impacts are anticipated from the proposed project.

Thank you for your attention to my comments and questions.

Sincerely,
Glenn H. Sato
Director

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am in full agreement with the findings of the Draft Environmental Impact Statement for the Strategic Target System. Based on these findings, there should be no further reason to delay this program once the E.I.S. is released. The STARS program has my full support.

Name: Vivian Kukuta
Address: P.O. Box 730, Waiman, HI 96796

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1900
Huntsville, Alabama 35807-3801
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

NO ROCKETS IN OUR PARADISE...

Please!!

Mahalo!!

Name: L&C Cosbey
Address: PO. BOX 445 KILAUEA HI 96754

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I have read the Draft Environmental Impact Statement thoroughly and I agree that all issues have been thoroughly analyzed and include that the START program is totally safe to the island of Kauai. I support the START program 100%.

As a member of our Kilauea community, I understand and sympathize with the concerns of the Mayor and the people of Kauai against START.

However, I feel it is my duty as an American citizen to support the decisions made by our elected officials regarding any nuclear program proven safe and effective at the place and directly throughout the entire world. In accordance with the safety standards and with the best intentions, I hereby lend my support and other benefits will come with the introduction of START to our Kilauea Island.

Name: RANDY R. CHINEN
Address: P.O. BOX 1133 KEKAHA HI 96752

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3501
Written Comment Sheet

Strategic Target System

Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Deputy Commander,

As a resident of Kauai I would like to voice my concern about the prospect of having a target program on this island.

First, it is inappropriate to expect that accidents do not happen. Look at the Valdez Oil Spill in Alaska, Chernobyl in the Ex-USSR, and the list could go on and on. There are only a few examples of what people said could never happen... and did.

Let us not use this beautiful island of Hawaii as a test site for antiquated weapons. Our country is moving away from the threats of the cold war.

Name: Suzanne Riedel

Address: POB 3008 (Box 10 Ke Koa, Princeville)

PS: In case possible, I would appreciate a reply.

2/28

WR37 (cont.)

and into an era of peaceful negotiation.

Unfortunately, the need for our defense means a reduction of jobs in that category. However, we could fund a more productive use of our tax dollars to employ those people that will lose jobs due to a reduction of the defense budget.

Consider, for example, using the existing bases for radar tracking and air and sea safety/rescue activities. Perhaps these individuals whose jobs are threatened could become part of a research team to relocate and develop sensitive housing alternatives for the many already displaced Pacific Islanders.

Let us, the community, begin to work together with the government in strengthening our ties and reuniting our love of the country in a safe and productive way.

Please, do not go ahead with the proposed plans for Star Wars testing on the island of Kauai. Accidents do happen.

Very sincerely,

Suzanne Riedel
Dear Colonel,

I am sorry that I did not have the pleasure nor the opportunity to personally say Aloha and MAHALO NUI LOA before you left Kauai. But I would like to do so now... On behalf of my most beloved and treasured possession, my 7 year old grandson, and all of the patriotic and loyal American-Kauians, I would like to say a big MAHALO. We know and appreciate the objective of your mission with respect to national defense. We also appreciate the way you handled yourself amidst volatile and emancipated overtones, namely that "Bunch" nevermind protestor-activist from Kauai's north shore. Please keep in mind and proper perspective that Elizabeth Freeman and Suzanne her side-kick are not endemic to the sand of Hawaii—but are really the sites from the mainland United States that was carried by ocean currents and somehow washed up on the shores of Kauai. Now that they are here, they act like they own the joint... By imposing their prejudices, likes and dislikes upon us native Hawaiians and Kauians. If we Hawaiians had our way, we would send them back from whence they came, but we have no canses that can make the trip to HADES! You know Colonel, I have driven tours on Kauai and Oahu for nearly 24 years, and I also used to ask the tourist if they have enjoyed the beauty of Kauai's beaches, canyons, waterfalls, the sculptured cliffs of Napali, and the warm and friendly people of Kauai... If they said yes, which almost always was the case, I would ask that they not take the usual gifts home to the mainland such as pineapples, macadamia nuts, Kona coffee, or anthuriums, but instead take a "Hippie" home with you. But alas, the souvenirs and Elizabeth Freeman are still here!!

I don't know if you caught the point of the remark that some of our local supporters were shouting back to Elizabeth group: "Go home hoolie!" But what they were referring to was the fact that over-whelming majority of the protest activities ARE NOT DIRECT TO HAWAII!!! And even at that, a few of the protesters here have not been a welcome addition to our community. They can only criticize and condemn but offer nothing constructive to solve the problems which have been created by their presence here. Therefore, please be very careful when you evaluate the written and oral testimonies that they have rendered. Especially pay particular attention to how long they have been on Kauai and then you see the difference of cultural values more definitively and more accurately.

The 5 page letter I have enclosed is my statement/testimony that I would like to enter on my family's and my behalf to show support for the SDI & STARS Project. I am neither a journalist, a writer of any sort, and I have never taken typing in high school or college, so please forgive and overlook all the typo errors, the errors in grammar, and the word omissions that are readily found permeating that document. I am mailing this 5 page document to our Congressmen in Washington D.C. If I know when the congress was going to hold hearings on this issue, I would endeavor to catch a "Hop" to D.C. and give testimony in person. After all I am retired U.S.A.F., and therefore, entitled to catch a hop on space available basis... I know that Elizabeth and her gang will be doing the same. Anyways Colonel, have a happy Easter and may God bless you and your family, until we meet again. ALOHA NUI LOA!!!
C. THE NEED FOR RESEARCH AND DEVELOPMENT OF SDI:

Last year we witnessed our highly developed high-tech weaponry at work first in "Operation Desert Shield" then in "Desert Storm." As we saw on television coverage of the PATRIOT vs SCUD missile testing that our PATRIOT missiles was only effective 50% of the time. There seems to be some very important facts missing from this criticism, in fact the most important fact is that is was never completed and WC had completed its "shake down" tests of research and Development. But because the urgency of the situation to do something, anything to stop the triad SCUDS, it was rushed into emergency storage anyway. If it had completed further testing and subsequent refinement and development, I am positive that the PATRIOT's performance would have been alot better! However,
E. THE NEWS MEDIA

I believe that there was some very biased reporting prior to, and following those public hearings in Hilo. It appeared to me that, both newspapers were deliberately distorting the news as well as trying to fuel the protest movement with their opinions. As you know, opinions, and personal interpretation are not necessarily true and not necessarily for or against. And by giving the almost limitless support and news space in their papers, the average John Doe citizen of Hawaii was inundated with this distorted prevarication. This in turn caused the basically ignorant populace to be swayed to believe the "printed" word. Hence, a lot of people maybe writing to you congressional representatives that they oppose SDF. The withholding of certain facts, the printing of only half-truths, and the deliberate equivocation of news achieved partial success amongst the local communities.

As you know most people are either lazy and want to be "spoon-fed" their news, or they are so busy for whatever reason, to research facts on their own to check out the veracity of the news. Hence, the news media is responsible for being the instrument of disinformation amongst Hawaiians. This misuse or abuse of the press has polarized Kauai into two camps: one for, and one against SDF/STAR. However, since they control the most influential and the most powerful weapon in the arsenal of yellow journalism...it is my sincere hope, that you are not easily swayed or influenced by such chicanery...please have one of your staff researchers to objectively, analyze the facts before drawing any conclusions.

I would like to remind you how the yellow journalism of the eighteenth century millionnaire newspaperman William Randolph Hearst used his powerful newspaper to convince the United States to go to war with Spain. Subsequent U.S. Naval investigations proved unequivocally that the Spanish were not culpable for the sinking of the U.S. S.S. Maine in Cuba. The point being in this - analogy is that the deliberate equivocation of so-called facts served his own personal self-interests. I believe that this is what happened here on Kauai.

F. THE PROTEST:

Concerts expressed by the opponents of SDF/STARs are almost all addressed at you can judge for yourself the validity of their position. The U.S. Army has taken every facet of possible impact the missile launchings could have upon the environment. The Army is quite aware of any possible dangers that can arise from the project, and has all precautionary measures to prevent such a happening. Besides, as a fisherman, I can truthfully say that the entrance of the PMRF has been very beneficial to local fishermen. The temporary denial of entry during the previous rocket launches and other military maneuvers, has had no adverse impact upon the fish populations there at Mala. Ask any fisherman who has used that area how the fishing there at Mala, and I am sure he will tell you that the temporary closures are only a minor inconvenience that reaps a large benefit for the fishermen!

SUMMARY:

Please remember, we vets, that gave our youth, limbs and some their lives, in loyal service to our country, and most especially when this issue of the SDF/STARs comes before the Congress for approval. Kauai is not.

Please remember the ultimate purpose of this project with respect to national defense. This defense I speak of is not only for the 48 contiguous states in the mainland, but also for Hawaii and all our families have an added ounce of prevention against nuclear irradiation! I dearly want all of my descendants to enjoy our beautiful Hawaiian Nei.

Please examine very carefully who are the supporters of SDF and who are their opponents. The overwhelming majority of supporters are local born, and bred in Hawaii. Look at the opposition, and you will see that these are very obviously mainland recent arrivals. Look at the two groups of people and see who as a group has contributed to the enrichment of life in this Island. Look at those two opposing groups and see which of them is the one that has contributed new and young for military service. Look at those two groups and see which one has those people that have a VERY SPECIAL ALOHA AINA MANA'O. I know you know the answer to this question...those are the same men from whence our ancestors sprang from!

For over twenty years our navy has been testing rockets, and having maneuvers at PMRF...were were these protesters then? Why is it no all of a sudden, no good for the environment to do any further testing? Are you aware that the opposing factions' arguments about potential damage is purely hypothetical and conjecture which is just barely garnished with a sprinkling of half-truths.

If you were to carefully scrutinize how diligently and earnestly the Army personnel went about doing their research regarding all possible problems that could be anticipated with the project at Mala. The Army sought the best and most authoritative scientists and experts in the particular fields; the EIS names quite a few such authorities. As a native Hawaiian, I was very glad to know that the U.S. Army again hired the services of the best available native and local authorities of Hawaiian antiquities and archaeology, namely, Dr. W.K. Kaukahi of the U of H, Kaawalii Community College; Kahele Kanahele, and Kalani Flores. The names of other prominent scientists in the field of marine biology, plant ethnobiology, chemists, aero-space medicine, and many others can be found in the EIS, and the records of the U.S. Army officials that are responsible for this project at Huituloe, Alabama. I honestly believe that the Army has done its best to address the concerns, as well as redress and head-off any problem areas associated with this project.

Please keep in mind that it would be a crying shame, an outrage, a grievous offense to all of the local-born people, all of the vets of Kauai who have served loyally in the armed forces, and all of the Hawaiians yet to be born, if you were to use the power of your offices to scuttle the SDF/STARs project at PMRF. Please heed our urgent plea for your support...PLEASE SUPPORT THE SDF/STAR PROGRAM, PLEASE HELP THE U.S. ARMY GIVE US ADDITIONAL QUANTITY OF PREVENTION AGAINST 50-50-5111

LAWRENCE F. AKIYOSI, U.S.A.F. Ret.
UTSHA CW 210 25 421
D.A.V., Chapter 6

4850 Waialehu Rd., Apt. 3A
Kapaau, Kauai, HI 96746
Tel:(808) 622-3481

MR. KAUHLAUA KUNIDANA
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I object to Strom's missile launches on the following grounds:

1) The effect of the ozone layer is not properly addressed in the EIS.
2) I object to the human rights abuses to the residents of Spring, sponsored by my tax dollars.
3) Mobile One is culturally significant sacred land. It should not be utilized for your launches.

I support the No Action alternative.

Name: Joseph Thompson
Address: P.O. Box 32360, Penwell, TX 77072

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3601

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I object to the Draft Environmental Impact Statement adequately covering all the impacts that arise from launching Strategic Target Missiles from Kane. For the following reasons:

A. I feel any negative emissions in the air at a time like this with worldwide ozone depletion is a factor in eliminating this project.
B. The impact of landing our missiles has a negative demoralizing effect on the people of other islands causing them to be removed from there native homeland.
C. Our sacred homelands can not be sacrificed for launching these rockets. The environmental risk of sacred land is not worth while sacrifice.

Name: Charlene Fleming
Address: 324 47th St. Klamath, OR 97601
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am against the Stars Project for many reasons -

1. Its effectiveness & benefit of ground laser system have not been shown (time 3/11, Spokesman Review, page 8)
2. It would be largest single source of green house gas
3. If accident occur it could cause great economic problems on Kauai
4. As we are doing this in this post Cold War period -

Save our planet. Please —

Name: Pati Race Van Haren
Address: P.O. Box 1280 KALAEHO HI 96741

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3501
Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am against having the Strategic Target System launched on Kauai for the following reasons: They will have a negative impact on the image of Kauai and the tourist industry upon which our economy is so dependent. The EIS does not adequately cover what if an accident occurs. I am opposed to the launches being transported to or around Kauai by sea or land. I don't want hydraulic in Kauai. I don't want Polihe also used for 2 months during the year. I believe the EIS plans for the significant impact on the Nene and the whales and the Address to your Team is not adequate.

Name: Mary Lou Kelley
Address: 422 PuKula Rd, Kalalea, HI 96731

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callies)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Name: E.C. Snyder
Address: P.O. Box 1048, Laoi, Kauai, HI 96738

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callies)
P.O. Box 1500
Huntsville, Alabama 35807-3801
April 2, 1972

Dear Mr. Gallinar,

I attended the meeting on the first night concerning the Star war program to be implemented on the Island of Hawaii, Hawaii. I got there at 6:30 PM and stayed to the end which was around 12:30 AM. I would like to report the content that I'm not anti-establishment or anti-military. 

I was in the service - service Corp for four years during the Viet Nam era. Although I didn't approve of why we should have been there, I wasn't going to run off to Canada either. I would have gone to Viet Nam if I had to. Fortunately, I didn't have to go because my brother was there.

I am a resident of the State of Hawaii for almost 9 years now, therefore, I have a definite concern for what is happening now and what could happen in the future. I happen to think that the concept of "Star War" is good. It's only a matter of time before some developing nations will have nuclear capability and they could threaten our existence. Therefore, it makes sense to have something in space to try to stop them and to act as a deterrent.

I have to state, however, that I must go on record as opposing or opposing a Star War Program on the Island of Hawaii.

I think that it is too dangerous here. I object to having the Island being a target for incoming missiles. If there is to be a Star War Program, it should be in an isolated area not in a populated area to jeopardize the lives.
of our citizens. Maybe to Henry 
Kissinger, the size of a few cent 
cents compared to the many. Henry Kissinger 
ever had to live on Kwajalein Atoll 
in the Marshall Islands and have his 
home land taken from him and headed 
like ships into a small confined area 
biggers than Ale Hope Shopping Cen 
ter. Honolulu. Henry Kissinger didn't have 
to watch as his home land became a 
target for missiles like the Marshallines 
people I had to witness. I don't want to 
see Kauai to carry on the legacy and like 
I mentioned, I don't think that it is right 
for us to become a target also from any 
other nation or country. Also I object to 
contributing to the destratification of the 
Ozone layer and to the danger of 
transporting dangerous chemicals to our 
roads like.
Written Comment Sheet
Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Sirs:

I want the No Action option for STARS. After hearing the facts from the hearing, I feel it would have a negative impact on our economy on Kauai. We'd get known as the "Missle Island" — not a good vacation image. I also feel it's stupid to spend money on offensive weapons. These weapons are also dangerous to human, whale, and polar life. Thank you.

Name: Deborah L. Arata - Deborah Arata
Address: 3473 Hawaiana Lane, Koloa, HI 96756

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
Thank you for attending this public hearing. Please use this sheet to provide your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am opposed to the Star Wars Point on the Island of Kauai. Our Island is one of the most beautiful spots on earth, and even the chance of an accident is a threat to our economy. A missile being launched and being exploded due to an accident, mistake, or failure would destroy our economy. Our economy is based on tourism, and if our Island was altered due to a missile accident, or just news stories of what could happen! From a

Name: John R. Churchill
Address: 5399 Kanapa St. Kapaa, HI 96746-3355

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
MISTAKE BY THE MILITARY. THE COUNTRY WOULD FALL OUT OF OUR TOUGHEST INDUSTRY.
I AM ALSO AGAINST YOUR STRATEGIC TARGET SYSTEM PROGRAM DUE TO YOUR TARGET THE
INNOCENT MARSHALL PEOPLE SHOULD BE GIVEN THEIR ISLANDS BACK AND PAID FOR OUR
ILLEGAL TAKING OF THEIR ISLANDS SINCE 1946.
IT IS TIME FOR US TO RETIRE MOST
OF OUR MILITARY FORCE AND WORK TO FOR
A WORLD GOVERNMENT. WE NEED TO FORM
WORLD COURTS, WORLD POLICE FORCES, WORLD LA
AND THE MILITARY STEP CREATING FEAR AND
PERPETUATING THEIR JOBS. I REFER YOU
TO THE BOOK, "PLANET HOOD" BY BENJAMIN B.
TERENCZ AND KEN KEYES, JR.
THIS IS THE TIME OF CHANGE IN OUR
WORLD AND IT IS TIME FOR US TO CHANGE OUR
POSITION IN THE WORLD POLITICS AND TO LEAD
3 OUT OF THE GLOBAL WARS.

Respectfully Submitted

[Signature]
What the World Wants
—and how to pay for it

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Cost (billion)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prevent Soil Erosion</td>
<td>$24</td>
</tr>
<tr>
<td>Stabilize Forests</td>
<td>$30</td>
</tr>
<tr>
<td>Provide Clean Water</td>
<td>$50</td>
</tr>
<tr>
<td>Develop Renewable Energy</td>
<td>$17</td>
</tr>
<tr>
<td>Provide Clean, Safe Food</td>
<td>$35</td>
</tr>
<tr>
<td>Develop Health Care</td>
<td>$15</td>
</tr>
<tr>
<td>Reduce Ozone Depletion</td>
<td>$30</td>
</tr>
</tbody>
</table>

...using World Military Expenditures.

<table>
<thead>
<tr>
<th>Year Class</th>
<th>Total Annual Cost of World's Military Expenditures (billion)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990</td>
<td>$1 trillion</td>
</tr>
<tr>
<td>2020</td>
<td>$1.5 trillion</td>
</tr>
<tr>
<td>2030</td>
<td>$2 trillion</td>
</tr>
</tbody>
</table>

The above are annual rates of various global programs for reducing the major human need and environmental problems facing humanity. Each program is the amount needed to achieve its goal for all is made in the world. The total annual cost is approximately 2% of the world's annual total military expenditures. Percentages and references are on the opposite page. Full explanation is in "Toward the Right Things" 18 percent from the World Game Institute, 2350 Market St., Philadelphia, PA 19103, 215-925-9151.
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am very much against having the Strategic Target System protect on Kauai.
Kauai's beauty attracts thousands of visitors from all over the world every year. Having a missile launching site on this island will dramatically change Kauai's image and will negatively affect our economy. Here we all depend on the visitor industry and turning Kauai into a missile site will turn visitors away. Please protect and preserve our island's natural beauty, aloha spirit, and economy. No stars on Kauai!

Name: Anne English
Address: P.O. Box 1280, Kalaheo, HI 96741

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Sargent, J.: The Future of Civilization, Columbia University Press, 1992; 34, 70...

Haas, R.E.: The Future of Civilization, Columbia University Press, 1992; 34, 70...
Sargent, J.: The Future of Civilization, Columbia University Press, 1992; 34, 70...
Haas, R.E.: The Future of Civilization, Columbia University Press, 1992; 34, 70...
Sargent, J.: The Future of Civilization, Columbia University Press, 1992; 34, 70...
Haas, R.E.: The Future of Civilization, Columbia University Press, 1992; 34, 70...
Sargent, J.: The Future of Civilization, Columbia University Press, 1992; 34, 70...
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this form to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1. I oppose the proposed Strategic Target System missile launches due to the fact that the actual and potential economic and environmental damage which these launches will cause far outweigh any benefits identified and certain benefits that the proposed system can provide. I strongly recommend that you adopt the "no-action" alternative.

Name: Michael J. Smythe
Address: 3707 Ohau Road, Koloa HI 96756

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Galien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Against testing missile system on Kauai.
This is the "garden island". We have a sensitive ecology, environment. An accident could wreak havoc on both the immediate area and also land areas.
You haven't examined the immediate effects of hotter release an immediate ozone depletion above.
Visitor industry (our main industry) could be demolished by either (A) an accident, (B) a reputation as a major military test facility.
West side access to beach will be restricted and noise pollution from launches is already unacceptable.

Name: Dr. Edward de Deco D.C.
Address: 3707 Ohau Rd, Koloa, HI 96756

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Galien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
April 2, 1992

Deputy Commander, U. S. A.  SDC
CSSD-EN-V  (D. R. Gallien)
P. O. Box 1500
Huntsville, AL  35807-3801

Dear Sirs:

The STARS debate will probably continue on Kauai as the fanaticism is still here. I regret not being able to go to the two hearings you held, but we didn't drive at night unless it is absolutely necessary. Old age does have a tendency to creep up on us.

Despite the circus atmosphere and all, I say we still need the missiles. We are still in danger from attack, what with pulling out of the Philippines. At least if we have the missile, however small, we will not be so readily attacked.

Where the money comes from I shall never know. Rumor has it that the ones who speak against it are shipped in from the Mainland. Not all, but most.

So I hope that the decision will be made to stay as we are and that the sooner the better so we can get tourism back to support us like it did before.

I appreciate your sending the literature so I could look at the two sides of the coin. My interest is from being President of the American Legion Auxiliary, Kauai Unit 2. The greatest majority of veterans are for it. I am also secretary to the Kauai Veterans Council which is on record as for it.

Thank you.

Sincerely,

Tsushima Takemoto
6416 Ahele Drive
Kapaa, HI  96746
822-6160

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Name: [Redacted]

Address: P.O. Box 3, Kalaʻiaupuaʻa, HI 96751

City/State/Zip: [Redacted]

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV-V (D. R. Gallien)
P.O. Box 1500
Huntsville, Alabama  35807-3801
ClibPDF - www.fastio.com

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I support the No Action Option for STARS on Kauai. The world situation has changed greatly since the inception of STARS and it is not necessary anymore. Who will attack us? The major threat now is terrorism and STARS does not address that. Also, given our present economy, it is foolish to spend billions of dollars on a project that is not necessary and very probably will not be effective. Additionally, the potential for ecological harm to Kauai, which translates to economic harm, is too great to be acceptable.

Richard Sherman

Address: 3707 Omao Rd, Koloa, HI 96756

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
Dear Sir,

Please oppose the STARS program on the Island of Kauai.

Sincerely,
Mary J.

Post Card

Deputy Commander
U.S. Army Strategic Defense Command
Attn: CSSD-EN-V (CALCOM)
P.O. Box 1500
Huntsville, Alabama
35807-3801

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

[Handwritten response]

Should an accident occur, the bad publicity would effect our economy as well as harm the Island itself. We needn't spend money for defense as defense (please choose the No Action option) for Stars on Kauai.

Name  [Handwritten]
Kula

Address  [Handwritten]
Kula, KALAOHE 96741

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Calhoun)
P.O. Box 1500
Huntsville, Alabama 35807-3801
April 5, 1992
Sgt. K. Parsons
P.O. Box 1
McKean, PA 16752

ATTN: CFFD-EH-V (D.E. Gallien)
P.O. Box 1500
Huntsville, Ala. 35807-3501

Dear Madam/Sir,

This is to inform you of my opposition to the STS-8 program on the Island of Kauai, Hawaii.

My reasons you have heard before from many sources.

Please let us all join together in a united energy and promote the positive in our world for the sake of all living things.

My love and prayers are with you all in this decision.

Sincerely,

Juliet Parsons

KATE HARRINGTON SHEA
AND ASSOCIATES

April 1, 1992

U.S. Army Strategic
Defence Command
P.O. Box 1500
Huntsville, ALABAMA 35807-3501

ATTN: CFFD-EN-V
(C.D.R. Gallien)

To Whom It May Concern,

I am writing to state that I am against "Star Wars" activity on Kauai, Hawaii.

Thank you.

Sincerely,

Kate Harrington Shea
P.O. Box 224
Princeville, HI 96722

89914 S. Lucerne Blvd. • Los Angeles, California 90008 • (818) 989-0704
March 26, 1992

[en]treaty

emptiness engulfed me as I woke to face this day
like I had known it would.
what I couldn't have guessed was its vastness
or its coldness. It is grey.
i couldn't think, couldn't feel, couldn't find my way.
all was gone except for emptiness.

kone passed.
morning waited.
birds somehow remembered to sing.
finally the raining came, so softly.

(i stare at my pen and consider: could I live
without this thing? i think perhaps
it couldn't be done.)

even with my pen in hand I remain benumbed
what will it say, what can it let me bring to you?
how can we reach the memory?
which pictures will you never see?
how long will this be, how long?
how long must we do this thing?

i see a wall.
it separates me from the future
maybe only for today, but i'm glad to see it anyway.
beyond lies resolution of this conflict we've engaged.
i do not want that resolution yet today.
i cannot see a way for us to get there without pain.
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

[Handwritten text]

Are we really going to do this? Do we really think that the line of profit will not be worth the two lives we are willing to sacrifice for money? Are we willing to sacrifice our lives for two lives we are willing to sacrifice? I am not!

Name

Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3803
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

My name is Deborah Foster. I am a concerned resident of Kauai. I came here because of its rare beauty and to do my life's work. I have been teaching children for 14 years and I have a master's degree in Education. I am a mother.

I chose this field of work because I love and care about people. I see the difficulties which our society of life presents to our children and I am concerned that they be given an equal chance to live their lives on this planet just as we and our ancestors have.

When I received the RIS in the mail, I was disappointed to find the lack of social / humanitarian implications. It seems to always be the case; that when governments act military, things cut - it's always human lives that

Name: Deborah Foster
Address: P.O. Box 867 Kilauea, HI 96754

Please hand this form in or mail by April 13, 1992 to
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D. R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-5801

lose out. I'd like to ask, "Were the Marshall Islands considered when the US military decided to put a missile range on their precious atoll of Kwajalein or was the strategic location of their islands more important?" Did the US government ever consider the Marshall Islands when they overthrew their government or was it business interests which prevailed?

I would like to ask you now to look inside your soul, turn your gaze inward. Try to set your own personal motives aside. If you believe in God, listen to him now. Pray on the silence of your own soul, ask yourself, is the decision to allow the US government's military to fire off these dangerous war machines from your island homeland really necessary? Who are our enemies? Is Russia a threat? Is Red China a threat? Is Star Wars really an effective way to protect ourselves?

Did the US government ever consider the Native Americans or the
mainland, when they took over their lands and confined them to the barren reservations? Then, as if that wasn't bad enough, when they discovered uranium under their soil on the "4 Corners" reservation, more specifically... Big Mountain, it's called; (the Hopi, Navajo reservation). They took legal action (mostly illegal) to get most of the mineral rights back from them. The injustice that the investigations uncovered against our own Native Americans were deplorable.

My friends, it saddens me greatly because I study and researched the injustices committed against human kind. Who is the culprit? Who were not our and ever again, throughout all history. The culprit is the same; greed, power, and the need to control. I think it's important here that we, as conscious human beings, open our eyes and honestly come to terms with the grave danger that STARS propose. We are making history here tonight, by being allowed to speak here at this hearing. It's time to stop pretending that accidents can't or won't happen to us. If we were all adolescents here making this decision, I could understand. The predominant feeling or attitude of omnipotence, but we are mature adults here. Accidents do happen. Remember the Challenger? I am from Pennsylvania. I lived there when 3 mile Island melted down. You know what? It's still melting down. They aren't able to stop it! It's all hot, much of course. People don't bother to protest it - there's nothing we can do to stop it. They're trying to keep it cool enough until it eventually explodes itself.

As mature adults we are supposed to be taking responsibility for the results or implications of our decisions, or are we merely like children playing with razor blades?
believing that we need it for economic reasons? Have faith - better jobs can be created for those of you who are
free, possible payoff.
And... above all, do not be duped into believing that you can't do anything to stop this. You can, we can, and we must have faith. That we can right a wrong.
This is our opportunity, let's use it.
This island is not only one of our most precious natural treasures, but it is one of the most lush and dramatic landscapes in the entire world. People spend years saving up enough money to vacation here for 10 or 2 weeks.
Nature, to me, is the art of God. This land is truly an expression of God's love. I know I am not alone when I say, "This land nourishes my soul. Its' spirit fills me with the warmth of Aloha." IT DESERVES OUR PROTECTION.
Just as WE DESERVE OUR NATION'S PROTECTION.
Please, I ask you, reconsider. Do not further damage these lands. Have we done enough damage already? It's time to be helpful, not harmful.

Sincerely, Deborah Totoro
HR. CHAIRMAN

NATIVE KANAKA MAOLI PEOPLE OF NA HAOUKU FUNI CALLED HAWAII

MY PRAYER

I PRAY THAT THE SPIRIT OF THE LORD MAY BE WITH ME THAT WHATEVER I PRESENT MAY BE PLEASING TO HIM AND BENEFICIAL TO ALL THE PEOPLE OF THE WORLD, AMEN

MARCH 24, 1992

TO THE PRESIDENT OF THE UNITED STATES OF AMERICA PRESIDENT GEORGE BUSH

TO THE UNITED STATES SECRETARY OF THE INTERIOR SECRETARY MANUEL LUJAN, JR.

AND TO THE UNITED STATES ARMY STRATEGIC DEFENSE COMMAND

WHEREAS BECAUSE OF GOVERNMENT ACTIVITIES WHICH ARE BEING PLANNED AT BONHAN AIR BASE, CONCERNING THE STRATEGIC TARGET SYSTEM AND ITS ENVIRONMENTAL IMPACT ON THE ISLAND OF NA HOKUPUNI CALLED KAUAI IN THE DISTRICT OF PAPAENAEA OF THE AHUPUAA OF KIKIAOLA

AND BECAUSE OF THE PROBLEMS OUR NATIVE KANAKA MAOLI PEOPLE ARE HAVING TODAY WITH THE STATE OF HAWAII AND THE UNITED STATES OF AMERICA, WITH A POSSIBILITY OF LOosing ALL OUR NATIVE KANAKA MAOLI ASSETS NAMELY LANDS AND WATER RESOURCES AND SO FORTH.

AND WHEREAS THE REMARKS OF PRESIDENT GEORGE BUSH OF THE UNITED STATES OF AMERICA, CONCERNING THE NATIVE PEOPLE OF THESE ISLANDS CALLED HAWAII, IN REGARD TO THE TRUST RESPONSIBILITY OF THE NATIVE KANAKA MAOLI PEOPLE OF WHICH HE SAYS THE UNITED STATES HAS NO OBLIGATION--

WHEREFORE, TITLE 48, UNITED STATES CODE 3661 WHICH DEALS WITH THE MANAGEMENT AND DISPOSITION OF PUBLIC LANDS WHICH STATES IN PERTINENT PARTS:

"THE LAWS OF THE UNITED STATES EXISTING ON JULY 7, 1898, RELATIVE TO PUBLIC LANDS SHALL NOT APPLY TO SUCH LANDS IN THE HAWAIIAN ISLANDS, BUT CONGRESS SHALL ENACT SPECIAL LAWS FOR THEIR MANAGEMENT AND DISPOSITION, PROVIDED, THAT ALL REVENUE FROM OR PROCEEDS OF THE SAME SHALL BE USED SOLELY FOR THE BENEFIT OF THE INHABITANTS OF THE HAWAIIAN ISLANDS.

THEREFORE, LOOKING INTO THE DEFINITION OF THE TERM INHABITANTS AND KEEPING IN MIND THAT THE YEAR WAS 1898 THE INHABITANTS WERE REFERRING TO THE NATIVE KANAKA MAOLI PEOPLE OF THE LANDS.

THE UNITED STATES HELD THE PUBLIC LANDS WHICH HAS BEEN DEFINED IN THE ORGANIC ACT OF 1900 AS THESE LANDS WHICH WERE CLASSIFIED AS KINGDOM AND/OR CROWN LANDS PREVIOUS TO AUGUST 15, 1895 OF HAWAII IN TRUST FOR THE BENEFIT OF THE HAWAIIAN PEOPLE.

"THAT A TRUST IS A RIGHT OF PROPERTY REAL OR PERSONAL HELD BY ONE PARTY FOR THE BENEFIT OF ANOTHER" 3 SOUVIER'S 3328
THE UNITED STATES CLAIMED NO OWNERSHIP TO SAID PUBLIC LANDS, BUT RATHER HOLDERS IN TRUST AS PURSUANT TO TITLE 42, UNITED STATES CODE, THEREBY MAKING THE UNITED STATES THE TRUSTEE'S WITH A FIDUCIARY DUTY TO UPHOLD THE RIGHTS OF THE BENEFICIARIES, WE THE NATIVE HAWAIIAN PEOPLE.

FURTHERMORE PURSUANT TO SOUVIER'S LAW DICTIONARY 1914 EDITION PAGE 1426, HAWAII IS DEFINED AS FOLLOWS, IN PERTINENT PARTS.

"A REPUBLIC WAS PROCLAIMED AND A NEW CONSTITUTION PROMULGATED JULY 4, 1894 BY THIS CONSTITUTION THE PRESIDENT OF THE REPUBLIC WAS EMPOWERED TO "MAKE A TREATY OF POLITICAL OR COMMERCIAL UNION WITH THE UNITED STATES."

KA MAKANA KA KOA VS. FOLY BLANK 205 U.S. 354, 27 SUP. CT. 526 51 L. ED. 834.

PLEASE TAKE NOTICE, THAT HAWAII WAS ANNEXED ONLY THROUGH POLITICAL OR COMMERCIAL UNION AN NOT AN OVERTHROW OF THE LAND OWNERSHIP OR ITS PEOPLE. UPON ADMISSION OF HAWAII INTO THE UNION THE UNITED STATES DID NOT PASS OWNERSHIP OF THE PUBLIC LANDS IT CONVEYED TO THE STATE OF HAWAII BUT RATHER PASSED ON THE TRUST RESPONSIBILITY OF THE STATE OF HAWAII, AS PURSUANT TO THE HAWAII ADMISSION'S ACT 1959 IN PERTINENT PART.

THE LANDS GRANTED TO THE STATE OF HAWAII BY THE UNITED STATES TOGETHER WITH THE PROCEEDS FROM THE SALE OF OTHER DISPOSITIONS OF ANY SUCH LANDS AND INCOME THEREFROM SHALL BE HELD BY SAID STATE AS A PUBLIC TRUST FOR THE SETTLEMENT OF THE CONDITIONS OF NATIVE HAWAIANS AND THERE USE FOR ANY OTHER OBJECT SHALL CONSTITUTE A BREACH OF TRUST FOR WHICH SUIT MAY BE BROUGHT BY THE UNITED STATES.

THE BIG QUESTION

IS THE BOWHAM AIR BASE A PART OF THE PUBLIC LANDS HELD BY THE UNITED STATES AND DEFINED IN THE ORGANIC ACT OF 1900 AS THESE LANDS WHICH WERE CLASSIFIED AS KINGDOM AND/OR CROWN LANDS PREVIOUS TO AUGUST 15, 1895 OF HAWAII IN TRUST FOR THE BENEFIT OF THE HAWAIIAN PEOPLE.

THESE LANDS

| GOV. EX ORDER 945 | PART | 1 903.00 | AC |
| GOV. EX ORDER 945 | PART | 2 473.52 | AC |
| GOV. EX ORDER 887 | | 548.57 | AC |
| TRACT E-1 | | 69.56 | AC |
| PRES. PROC. NO 827 | | 16.24 | AC |

A TOTAL OF OVER 2,000 AC AND YIELD PAYMENT PER YEAR IS $1.00 FOR ALL "OR" ARE THESE LANDS AT BOWHAM AIR BASE THE PRIVATE OR SOVEREIGN LANDS DEEDED TO A NATIVE HAWAIIAN CHIEF NAME AU PUNI IN THE GREAT MAHELE OF 1848, THE FIRST DIVISION OF JANUARY 27, 1846 IN THE SECOND PALAHANA OR DEED.

TO ANSWER THESE QUESTION AN OVERVIEW OF THE GREAT MAHELE OF JANUARY 27, 1848, ENDS WE BY AGREEMENT BY KING KAMEHAMEHA III, PRINCESS VICTORIA KANAMALU BY HER GUARDIAN MATAIO KEEKAHAKOA AND IOANE III, TAKEN FROM THE BIG BOOK THE GREAT MAHELE OF 1848 BY JON J. CHINESE.
AN OVERVIEW
OF
THE GREAT MAHELE OF 1846
PALAPALA AINA—LAND DEED

KING KAMEHAMEHA III, WAS DEEPLY CONCERNED OVER THE HOSTILE ACTIVITIES
OF THE FOREIGNERS IN THE ISLANDS AND DID NOT WANT THIS KINGDOM TO BE
CONSIDERED "PUBLIC DOMAIN," AND THEREBY SUBJECT TO CONFISCATION BY A
"FOREIGN POWER" IN THE EVENT OF A CONQUEST.

THEREFORE KING KAMEHAMEHA III, SET FORTH THE GREAT DIVISION OF LANDS
INTO TWO (2) DISTINCT PARTS, IN THE BEST INTEREST OF THE NATIVE KANAKA
MAOLI PEOPLE, WHO WERE THE SOVEREIGN OF THE ISLANDS OF NA MOKU PUNI
CALLED HAWAII.

BECAUSE OF THE LACK OF SURVEYORS IN THE ISLANDS DURING THIS ERA THE
MAHELE OR LAND DIVISION WERE ACCORDING TO THEIR ANCIENT NAMES AND LAND
MARK BOUNDARIES AND WERE EITHER A MOKU (AN ISLAND) OR ANUPUA, OR ILI
AINA.

THE FIRST PALAPALA OR DEED TAKEN FROM THE MAHELE BOOK OF 1846
THE FIRST PALAPALA OR DEED
(Belonging to Kamehameha III)
(TRANSLATION - KANAKA MAOLI TO ENGLISH)

(E IKe AUAHEI NA KANAKA A PAU)
I RECOGNIZE PRESENTLY THIS KANAKA RACE OF PEOPLE ENTIRELY
(NA KEIA PALAPALA)

IN BEHALF OF THIS DOCUMENT
(OMAU O KAMEHAMEHA III NO KA LOKO HAINI O KE AKUA HE ALI'I O KC HAWAII
NEI PAE AINA)
I HUMBLY AGREE I KAMEHAMEHA III BELONGING TO THIS GOODWILL AGREEMENT
OUR LEADER OUR CHIEF OF THIS ISLANDS THIS GROUP OF LANDS.
(UA HAANU AU I KEIA LA NO KO'U MAHEKE MAOLI NO A I A HOOLILO A HE KA
OOKUWKAWALA NAU LOA AKU)
TO PRESERVE TO GIVE IN THIS ERA AS AFOREMENTIONED BY MY FREE WILL
INDEED, FOR MY OWN YES MY OWN TO PASS INTO POSSESSION AS MY OWN AND TO
BE DIVIDED FOREVER THIS AMOUNT
[I NA ALII A HE NA KANAKA KANUI O KO'U AINA ALII E PONO]
FOR THIS CHIEF TO GET AS HIS OWN AND BELONGING TO THIS NATIVE KANAKA
MAOLI RULER OF THIS LANDS CHIEF OF GOODNESS.
(Al A E PO MAHAI AI KE AU PUNI HAWAII)
TO CONTROL TO GET FOR MY PROSPERITY FOR MY KINGDOM OF HAWAII
(NO LAIZA NA KEIA PALAPALA KE HOOKOE NEI AU)
THEREFORE IN BEHALF OF THIS DOCUMENT OURS TO SAVE IN THIS ERA.
(NO'U IRO A NO KO'U POE HOOLIMA A NE POE HOPE A MAULOA AKU NEI AINA)
FOR MY DESCENT AS YOUR OWN BELONGING TO YOU PEOPLE "HEIRS" AS YOUR OWN
MY PEOPLE SUCCESSORS AS YOUR OWN FOREVER THIS DEFINITE AMOUNT IN THIS
ISLANDS.
(OU I KA KA UIA HA NA ROAO)
MINE AS THIS WRITTEN WILL SUBMITTED IN BEHALF OF THIS OPTION OF THE
TWO PARTIES TO AN AGREEMENT OF ALL LANDS ON PAGES 178, 182, 184, 186,
190, 194, 200, 204, 206, 210, 212, 214, 216, 218, 220, AND 222.
(O KEIA FUKA)
AGREEMENT WRITTEN IN THIS BOOK.
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KO KAHENAHENA III (OVERVIEW)

WHERE AS FROM THIS PALAPALA OR DOCUMENT OR "DEED" THE FIRST INSTRUMENT OF THE GREAT MAHELE OF JANUARY 27, 1848 BY KING KAHENAHENA III BY HIS OWN FREE WILL HUMBLY AGREE TO THIS DIVISION OF LANDS AND THIS DIVISION WAS TO BE FOREVER, ONLY THIS AMOUNT, FOR HIM TO CONTROL FOR HIMSELF, FOR HIS KINGDOM THE KINGDOM OF HAWAII AND FOR HIS DESCENDANT HIS HEIRS AND SUCCESSORS, THIS AGREEMENT OF ALL THESE LANDS WRITTEN ON THESE PAGES 178, 182, 184, 186, 190, 194, 200, 204, 206, 210, 212, 214, 216, 218, 220 AND 222 IN THE MAHELE BOOK PALAPALA AINA OF 1848.

SO WE HAVE IT WRITTEN AND DOCUMENTED AS A "DEED" BY KING KAHENAHENA III

1 - TO HIMSELF - HIS CROWN LANDS
2 - TO HIS KINGDOM - THE KINGDOM OF HAWAII
3 - TO HIS HEIRS - HIS FAMILY BY GENEALOGY
4 - TO HIS SUCCESSORS - HIS FAMILIES, FAMILY LANDS BY GENEALOGY

AND THEREFORE BY THIS PALAPALA OR DOCUMENT THE FIRST INSTRUMENT OR DEED OF THE GREAT MAHELE OF JANUARY 27, 1848.

KING KAHENAHENA III DECLARED HIS SHARE OF LANDS OF THE ISLANDS OF NOKU PUNI CALLED HAWAII AND BY THIS PALAPALA "ALL THAT HE TOOK, WAS ALL THAT HE GOT".

YES ONLY THE LAND SET ASIDE HERE BY KING KAHENAHENA III IS HIS KINGDOM AND/OR CROWN LANDS ALSO FOR HIS HEIRS AND SUCCESSORS.

THE KINGDOM AND/OR CROWN LAND OF HAWAII THAT WERE DEFINED IN THE
ORGANIC ACT OF 1890 IN TRUST FOR THE BENEFIT OF THE HAWAIIAN PEOPLE ARE HERE ALSO.

PAGE 222 OF THE MAHELE BOOK LANDS OF KAUAI DEEDED TO KING KAMEHAMEHA III

MA'APPE - WAILUA- HANANOA
KALAEHO - KAPAA
WAIMEA & HANALEI ARE QUESTION MARK?

HANALEI IS NOT AN ANCIENT PLACE, WAIOLI IS ANCIENT HANALEI IS PART OF WAIOLI.

WAIMEA IS NOT LAND, WAIMEA IS CLEAN DRINKING WATER FOR THE SHIPS (WAIMEA IS A SPRING WATER) IN THE AHUPUAA OF MAKAWELI AT KAUKULOA LANDING

NO KE AU FUNI
THE GREAT MAHELE
OF JANUARY 27, 1848

BELONGING DEFINITELY TO AU FUNI

TRANSLATION KANAKA MAOLI TO ENGLISH THE SECOND PALAPALA OR INSTRUMENT OR DEED

IN THIS DIVISION, KING KAMEHAMEHA III, SIGNED AND SEALED THE FOLLOWING DOCUMENTS WHICH WERE TAKEN RIGHT FROM THE MAHELE BOOK, WRITTEN IN KANAKA MAOLI LANGUAGE THIS TRANSLATION IS TO ENGLISH BY A NATIVE KANAKA MAOLI CHIEF FUNI OF THIS ERA OR AU FUNI BY GENEALOGY

(E KE OUKOU E NA KANAKA A PAU NA KEIA PALAPALA)
I RECOGNIZE YOU BY THIS KANAKA MAOLI PEOPLE ENTIRELY AND BY THIS DOCUMENT

O WAI O KAMEHAMEHA III NO KA LOKO MAI KAI O KE AKUA KE ALII O KO HAWAII NEI PAE AINA

I HUMBLY AGREE I KAMEHAMEHA III BELONGING TO THIS GOODWILL AGREEMENT OUR LEADER, OUR CHIEF OF THIS ISLANDS THIS GROUP OF LANDS (KE HAWAI AKU NEI AU ME KA MOOLILO A ME KA HOOKAWELE HAULOA)

A DEFINITE AMOUNT TO GIVE AWAY IN THIS ERA, TO APPEAL TO POSSESSION TO GET AS HIS OWN AND TO BE DIVIDED FOREVER.

(AKU NO NA ALII, A ME NA KANAKA O KO'U AU FUNI)

THIS DEFINITE AMOUNT BELONGING TO THIS CHIEF, AND YES THIS PERSON NAME AU FUNI

(A LILO KOU KULEANA A PAU)

TO GET AS HIS OWN POSSESSION THIS PORTIONS OF LANDS ENTIRELY

(A ME KOU LIHE A ME KO'U WAIWAI A PAU ILOKO)

HIS OWN THESE BOUNDARIES OF LANDS, HIS OWN THESE ASSETS, POSSESSION, ESTATES, PROPERTY, WATER, GOODS, FINANCIAL BENEFITS, WEALTH, WORTH, RICHES, COSTLY VALUE, VALUABLES, USEFUL VALUABLES, IMPORTANCE.

ENTIRELY ALL THE INTERIOR OF THE LANDS ALSO.

(O NA AINA EIA NO NA KO HAWAII PAE HOKU)

THIS AGREEMENT BELONGING TO THIS LANDS, YOU ARE NOTIFIED FOR IN BEHALF OF THIS GROUP OF ISLANDS.

(UA KA KA UIA NA KA ADAO)

TO PRESERVE THIS WRITTEN REPORT SUBMITTED IN BEHALF OF THIS OPTION OF THE 2 PARTIES TO AN AGREEMENT OF ALL LANDS ON PAGES OF THE MAHELE BOOK STARTING AT PAGE 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, AND 225

O KEIA PUKE
AGREEMENT WRITTEN IN THIS BOOK
In this division, KING KONAMAMUA III, signed and sealed the following document, which was taken right from the MUSCLE BOOK:

"E leike oukou o na kanaka apau na keia palapala. O wea o KONAMAMUA III, no ka lokomalakai o Ke Akua Ke Alii o ko Hawaii nei Pua Aina, ko hawai aku nei an ia ka hoolilo a me ka hookahawale nau loa aku no na Alii a me na kanaka o ko’u Aupuni, a lilo ko’u kuilima a pau a me ko’u lihi a me ko’u waiai apau hloko o na aina, eia no ma ko Hawaii Pua Moku, ea kakuaia ma ma anoa 179, 181, 183, 185, 187, 189, 191, 193, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, and 225, o keia haku.

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THE SECOND PALAPALA OR INSTRUMENT OR DEED OF THE GREAT MAHELE OF JANUARY 27, 1848 AND OVERVIEW IN PERTINENT PARTS WITH TRANSLATION, KAHAKA TO ENGLISH

(E I LEOU OUXO) I RECOGNIZE "YOU"

(NA ALII) THIS CHIEF

(NA KAHAKA) BY THIS RACE OF PEOPLE

(O KO’U AUPOHON) A PERSON NAME AU PUNI

(O WAI O KAMEHAMEHA III) I HUMBLY AGREE I KAMEHAMEHA III

(KA LOKO HAI KAI) THIS GOODWILL AGREEMENT

(HOOKANALE HAULOA) LANDS TO BE DIVIDED FOR EVER

(KOU KULEANA A PAU) THIS PORTIONS OF LANDS ENTIRELY

(KOU LINI) THE BOUNDARIES OF THE LAND

(A PAU ILOKO) THE INTERIOR OF THE LANDS ALSO

(KO’U WAIKAI) THESE ASSETS EVERYTHING.

(LEGAL TITLE TO THESE LANDS TO AU PUNI)

ANSWERS TO THE QUESTIONS CONCERNING THE GOVERNOR’S EXECUTIVE ORDERS

GOV. EX. ORDER 945 PART 1 903.00 AC
GOV. EX. ORDER 945 PART 2 473.52 AC
GOV. EX. ORDER 987 548.57 AC
TRACT E-1 69.562 AC
PRES. PROC. NO. 927 16.2484 AC

A TOTAL OF OVER 2,000 ACRES MORE OR LESS, PAYMENT PER YEAR 1.00 BY THE UNITED STATES TO THE STATE OF HAWAII

THESE GOVERNOR’S EXECUTIVE ORDER’S ARE A FORMAT OF CONSPIRACY BY THE PRESIDENT OF THE UNITED STATES, PRESIDENT GEORGE BUSH AND UNITED STATES SECRETARY OF THE INTERIOR MANUEL LUJAN, JR. OF WHICH ARE CO-CONSPIRATORS TO COMMIT FRAUD AND TO SWindle THE SOVEREIGN LANDS AND ASSETS, LANDS AND ASSETS WERE DEEDED AND ENDORSED BY AGREEMENT BY KING KAMEHAMEHA III, PRINCESS VICTORIA KAHALALU BY HER GUARDIAN MATAIO KUKANONOA AND IOANA II, IN THE BIG BOOK (THE GREAT MAHELE OF 1848 PALAPALA IANA) OR DEED BY JON J. CHINEN.

THE SOVEREIGN NATIVE KANAKA MAOLI LANDS WERE NEVER A PART OF THE KINGDOM OF HAWAII AND THEREFORE WERE NEVER OVER THROWN.

ACCORDING TO HISTORY KING KAMEHAMEHA I WAS OF INDEPENDENT POWER AND DID NOT HAVE AN EMPIRE AND THEREFORE DID NOT HAVE THE AUTHORITY OF AN EMPEROR.

IN INTERNATIONAL LAW, CONQUEST IS DEFINED BY BOUVIER’S LAW DICTIONARY, 1914 EDITION, AS THE TAKING OF THE SOVEREIGNTY OF A COUNTRY, BY FORCE OF ARMS, EXERCISED BY AND INDEPENDENT POWERS’ EMPIRE.

FOR FURTHER IN SIGHT IN TO UNDERSTANDING WHAT CONSTITUTES A CONQUEST, LOOK TO THE DEFINITION OF THE FOLLOWING WORDS:

INDEPENDENT POWER: THE RIGHT, ABILITY OR FACULTY, WHICH IS NOT SUBJECT TO CONTROL, RESTRICTION, MODIFICATION OR LIMITATION FROM ANY GIVEN OUTSIDE SOURCE.
EMPLOY: THE LANDS OR AREA OF AUTHORITY OF AN EMPEROR

IN VIEW OF THE AFOREMENTIONED, ONE COULD CONCLUDE THAT IT TAKES AN UNCONQUERED NATION TO CONQUER ANOTHER NATION, AND SINCE KANEMANA I, DID NOT CONSTITUTE A NATION, THEREFORE NO OVERTHROW.

AND THEREFORE LOOKING BACK INTO HISTORY KING KANEMANA I, SECOND, AND THIRD DID NOT BRING OUR SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI TO A SUBMISSION OF HIS SOVEREIGN LANDS AS REQUIRED BY INTERNATIONAL LAW.

WHEREAS LOOKING BACK INTO HISTORY, THE YEAR WAS 1893, WHEN AN ILLUSION WAS CREATED, WITH THE SUPPOSED OVERTHROW OF QUEEN LILIUOKALANI, A DESCENDANT OF KING KANEMANA I OF WHOM INTERNATIONAL LAW DEFINES AS NOT HAVING THE AUTHORITY OF AN EMPEROR AND THEREFORE NO EMPIRE TO OVER THROW.

THE EXECUTIVE COUNCIL, RESPONSIBLE AT THAT TIME, WAS MADE UP OF FOUR (4) MEN NAMELY JAMES A. KING, STANFORD S. DOLE, PRESIDENT, W.O. SMITH AND P.C. JONES, THEY AND THOSE WHO FOLLOWED WERE CITIZENS OF THE UNITED STATES OF AMERICA, AND THEREFORE BOUND TO THE CONSTITUTION AND LAWS THEREOF.

ACCORDING TO HISTORY, LEAHUA HAS IT THAT THERE WERE FIVE BUSINESSMEN WHO EXECUTED THE SO CALLED OVERTHROW OF THE ISLAND KINGDOM. AS EVIDENCE ABOVE, FIVE BUSINESSMEN DO NOT CONSTITUTE AN INDEPENDENT POWER AND/OR A NATION, NOR DID THEY CONTROL AND EMPIRE.

FURTHERMORE, THEY WERE NOT ACTING ON BEHALF OF THE UNITED STATES OF AMERICA, AS PRESIDENT CLEVELAND DENIED THEM SUPPORT OF AMERICA AND/OR THEIR MILITARY FORCES, IN FACT, PRESIDENT CLEVELAND DEMANDED THESE BUSINESSMEN TO STOP THEIR ACTIONS IMMEDIATELY.

THESE MEN WERE MERELY ACTING IN THEIR OWN SELF-INTEREST, WITH NO POWER, NO AUTHORITY AND NO JURISDICTION TO CONSTITUTE AN OVERTHROW CONQUEST, THEREFORE NO OVERTHROW!!!

AND THEREFORE THE LANDS OF THESE ISLANDS CALLED NA MOKU PUNI O HAWAII (THESE ISLANDS OF PUNI CALLED HAWAII) ARE SOVEREIGN LANDS OF NATIVE KANAKA MAOLI CHIEF AU PUNI.

NATIVE KANAKA MAOLI CHIEF AU PUNI WAS NEVER BROUGHT TO A SUBMISSION OF HIS SOVEREIGN LANDS AS REQUIRED BY INTERNATIONAL LAW, BY KING KANEMANA I OR THE UNITED STATES OF AMERICA OR ITS CONSPIRATORS.

THEY, THEREFORE, MAY IT BE RESOLVED BY THE UNITED STATES OF AMERICA AND THE SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI OF THIS ERA CONCERNING THE LANDS OF NA MOKU PUNI CALLED HAWAII AS DESCRIBED IN THE NATIVE KANAKA MAOLI MAPS OF 1839 BY KAMALU AND KEPCHONI, THESE TWO MAPS ARE NATIVE.

THE PRESIDENT'S PROCLAMATION'S, GOVERNORS EXECUTIVE ORDERS AND/OR BREAK IN LAND TITLES IN ILLEGAL COURTS OF THESE SOVEREIGN LANDS SHOULD BE STOPPED AT ONCE BY THE PRESIDENT OF THE UNITED STATES OF AMERICA GEORGE BUSH AND ALL RIGHTS AND DETERMINATION SHOULD BE IN FAVOR OF SOVEREIGNTY AND THE RETURN OF ALL LANDS TO NATIVE KANAKA MAOLI CHIEF AU PUNI OF THIS ERA.
OVERVIEW

OF
SOVEREIGN NATIVE KANAKA MAOLI CHIEF
FROM NOIAH TO OPUU-KA-MONUA-TO-PUNI

AU PUNI

1 - MIGRATION LEADER OF (200 BC) (NAMED THESE ISLANDS NA NOKU PUNI)
2 - PATRIARCH OF HIS PEOPLE WITH THE (GENEALOGY)
3 - ADMINISTRATOR OF THE SOVEREIGN NATIVE KANAKA MAOLI LANDS OF THE
POLYNESIAN TRIANGLE

AU PUNI CHIEF OF THE ISLANDS OF NA NOKU PUNI BEFORE KAMEHAMEHA I
KAMEHAMEHA I TOOK THE LANDS BY FORCE WITH GUNS (CHANGE THE NAME TO NA
NOKU PUNI CALLED HAWAII)
KING KAMEHAMEHA III RETURNED THE SOVEREIGN LANDS TO AU PUNI BY WRITTEN
DOCUMENT OR DEED, BY THE GREAT DIVISION OF LANDS OF 1848 CALLED THE
GREAT MAHELE OF 1848

AN OVERVIEW OF AU PUNI

AU PUNI A DESCENDANT OF OPUU KA MONUA, AU PUNI SETTLED ON THESE
ISLANDS ABOUT (200 BC) ONE HUNDRED AND FIFTY YEARS EARLIER THAN
HAWAII-LOA (64 BC) BY GENEALOGY AU PUNI IS NOT CONNECTED TO THE
HAWAII-LOA'S GENEALOGY THIS SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU
PUNI IS THE PATRIARCH, GENEALOGY KEEPER AND ADMINISTRATOR OF THE
SOVEREIGN LANDS CALLED NA NOKU PUNI (THE ISLANDS OF PUNI) AS HE NAMED
THEM IN 200 BC, HE WAS THE FIRST NATIVE KANAKA MAOLI CHIEF TO MIGRATE
TO THE POLYNESIAN TRIANGLE.

THEREFORE THIS SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI IS THE
MAOLI THE INDIGENOUS, ABORIGINE, GENUINE AND TRUE NATIVE OF NA NOKU
PUNI TODAY CALLED HAWAII.

AU PUNI HEREBY DECLARES FOR THE RECORD, THAT THE UNITED STATES OF
AMERICA AND THE STATE OF HAWAII BY ITS PEOPLE, WITH BREAK IN LAND
TITLES AND NAMELY THE GOV. EX. ORDERS & PRESIDENT'S PROCLAMATION'S BY
PRESIDENT OF THE UNITED STATES, PRESIDENT GEORGE BUSH; UNITED STATES
SECRETARY OF THE INTERIOR MANUEL LULJAN, JR. WHO HAS APPELATE POWERS
OR AUTHORITY OVER THE COMMISSION OF PATENTS AND HIS OFFICE IN THE
BUREAU OF CONVEYENCES OF THE STATE OF HAWAII, IN HONOLULU, OAHU.

BOTH ARE CO-CONSPIRATORS OF A CONSPIRACY TO COMMIT FRAUD AND TO
SWINDLE THE NATIVE SOVEREIGN LANDS AND ASSETS OF THE NATIVE KANAKA
MAOLI CHIEF.

THOUGH "FALSE PRETENSES" IS ATTEMPTING TO DEPRIVE HIM OF HIS RIGHTS
OF SOVEREIGNTY TO BE SECURE IN HIS PERSON AND PROPERTY.

FALSE PRETENSE. IN CRIMINAL LAW. FALSE REPRESENTATION AND STATEMENTS
MADE WITH A FRAUDULENT DESIGN TO OBTAIN "MONEY GOODS, WARES, AND
MERCHANDISE," WITH AN INTENT TO CHEAT. 2 BOUVIER, INST. M. 2308

AU PUNI HERE IN CLAIMING THE RIGHTS TO ALL SOVEREIGN LANDS BY ESCHEAT,
THESE LANDS ARE UNDER USE BY THE UNITED STATES OF AMERICA, AS BONHAN
AIR BASE ON THE ISLAND OF KAUAI, AND OTHERS BY THE STATE OF HAWAII AND
ITS PEOPLE, THESE LANDS TO BE RETURNED TO THE NATIVE KANAKA MAOLI
CHIEF IN THE YEAR OF 1992 A.D. BY GENEALOGY CLAIM——
These are some of the sovereign lands of the island of Na Moku Puni called Kauai, which are affected by the activities of the United States Army Strategic Target System at Bomah Akir Base on the island of Kauai and should be returned immediately by its ancient names and land mark boundaries entirely.

The Anuapa of Kekauli
The iu Aina of Puu Ka Pele
The Anuapa of Hakaweli
The Anuapa of Waiwa
The Anuapa of Koloa - Kik and Hen
The Anuapa of Muleia

Translation - (The Island of Puni called Kauai)

And therefore by my genealogy by the Puni line of my grandfather "Punilei" (1867 to 1928 AD) the Au Puni at the time of the over throw of 1883.

From the God of Kane Noah Puni (Abraham 1936 BC)
Descendant to
Ku Nawao (Ishmael)

Ka Puni 1936 BC (Isaiah 1936 BC)
Descendant to

Hinu Lao-A-Mano (Jacob 1836 BC) (King Kauai)
Descendant to
Kahiki-Ku (Joseph 1745 BC)
Descendant to
NaKao Kalani (Manasseh - 1715 BC)

And from the Loing of Ephraim - brother of Manasseh
Descendants to

Ahihi Kuu (Lehi - 660 BC)

Descendant to
Ahihi Ka Lani (Mephi - 620 BC)
Descendant to
Moaiha (200 BC)

Descendant to
Opaeu-La-Ho'oua (200 BC)
Descendant to

Puni-Au Puni (200 BC)
Descendant to

Punipuna-Au Puni (1711 AD)
Descendant to
Punipunui-Au Puni (1784 AD)

Descendant to
Keliuiaule-Au Puni (1809 AD)
Descendant to
Keliuiaule-Au Puni (1826 AD)

Descendant to

Kihemaka Punilei-Au Puni (1905 AD)
Descendant to
Jospeh Punilei Manu A-Au Puni (1930 AD)

The Au Puni of this Era (1992 AD)

Relation of Punilei (End) 1919 to 1928 Hawaiian temple

Kano (1057 AD) Kauai
Kapule (1079 AD) Kauai
Ewa (1097 AD) Kauai
Kamele (1117 AD) Kauai
Kahalu (1137 AD) Kauai
Kaug (1151 AD) Kauai
BY MY GENEALOGY


THEREFORE AS AU PUNI I CLAIM ALL OF MY SOVEREIGN, GUARANTEED RIGHTS PRIVILEGES, AND INHIBITIONS AS SPELLED OUT IN THE CONSTITUTION OF THE UNITED STATES OF AMERICA AND HERE IN DEMAND ALL OF MY RIGHTS, PRIVILEGES AND INHIBITIONS, SO SECURED TO HIS PERSON, INCLUDING THE PROTECTION OF COMMON LAW, AND THE LAW CALLED THE "COMPACT OF FREE ASSOCIATION" AS A FORMAT FOR NEGOTIATION, AN INTERNATIONAL LAW OF THE WORLD--

IN ADDITION AU PUNI "OBJECTS" AND "DENIES" ANY AND ALL PERSON FROM DEPRIVING AND/OR "ALIENATING" HIS FROM HIS CONSTITUTIONAL GUARANTEE OF RIGHTS SECURED TO HIS AS A NATIVE KANARE MAKLI CHIEF AND PROTECTED BY A "COMPACT OF TRUST" WHEREBY THE UNITED STATES GOVERNMENT, HAS A "FIDUCIARY DUTY" TO PROTECT SAID RIGHTS AND THE COURT OF COMMON PLEAS HAS JURISDICTION OVER IT COM VS COMPTON 137 PA. 138, 20 ATL. 417.

THEREFORE ANY LAND TRANSACTION IN THESE ISLANDS THAT SHOW A "BREAK IN TITLE" CONSTITUTES FRAUD AND SWINDLE.

WHEREFORE NOTICE IS GIVEN OF THE FILING OF A PARTICULAR COMMON
LAW LIEU OF ATTACHMENT AND CAVEAT WITH MEMORANDUM OF LAW AND RECORD
IN THE BUREAU OF CONVEYANCE IN HONOLULU, HAWAII IN LIBER 20882, PAGE 479, WHICH CONSTITUTES A "MIRANDA WARNING" TO ALL PERSONS ACTING ILLEGALLY WITH THE INTENT OF FRAUD OR TREASON NOTICE IS GIVEN THAT YOU WILL BE HELD PERSONALLY LIABLE.

ESCHEAT. AN ACCIDENTAL REVERTING OF THE LANDS TO THE ORIGINAL LORD.
AN OBSTRUCTION OF THE COURSE OF DESCENT, AND A CONSEQUENT DETERMINATION OF THE TENURE, BY GONE UNFORESEE CONTINGENCY, IN WHICH CASE THE LAND NATURALLY RESULTS BACK, BY A KIND OF REVERSION, TO THE ORIGINAL, OR LORD OF THE FEE. 2 BLA. COM. 244 ST. SEQ.


THE UNITED STATES CONSTITUTIONS AND THEIR POSITIVE LAWS PROTECT AND GUARANTEE TO ALL SOVEREIGNS INalienable AND Vested RIGHTS.

AND THEREFORE THIS NEGOTIATION SHOULD TAKE PLACE ON THE ISLAND OF KAUAI, STATE OF HAWAII IN NOT MORE THAN NINETY (90) WORKING DAYS AND STARTING FROM THE 27TH DAY OF MARCH 1992 AD.

THE NATIVE KANAKA MA'O LI PEOPLE ARE CONSIDERED NON-SELF GOVERNING PEOPLE AND AS SUCH, ARE ENTITLED TO USE A LAW CALLED THE "COMPACT OF FREE ASSOCIATION" AS A FORMAT FOR NEGOTIATION.

THIS ARRANGEMENT BY THE UNITED STATES SECRETARY OF THE INTERIOR, MR. HANUEL LOHAN, JR. AND NATIVE KANAKA MA'O LI CHIEF AU FUNI OF THIS ERA BY GENEALOGY MR. JOSEPH PUNIILI MAKINI P.O. BOX 201, MAKAMELE, HAWAII 96769 AND THE PHONE NUMBER IS 338-1538.

WHERE AS NEGOTIATION OF ALL LANDS OF NA HOKU FUNI CALLED HAWAII, INCLUDING THE RIGHTS TO THE POLYNESIAN TRIANGLE, THE RIGHTS TO ALL ASSETS OF THE KANAKA MA'O LI KINGDOM, RENTS, TAXES, LAND USE PAYMENTS FOR ALL PAST AND PRESENT LAND USE ETC. POSSESSION OF THIS RIGHTS.

IN CONCLUSION MY CONCERNS WITH THE ACTIVITIES AT BONHAN AIR BASE AND THE POLYNESIAN TRIANGLE IN REGARDS TO THE UNITED STATES OF AMERICA, AND THE STRATEGIC TARGET SYSTEM AND THEIR WAR GAMES, ON THIS SOVEREIGN LANDS AND SURROUNDING AREA SHOULD BE STOPPED AT ONCE.

I SEAL THIS PRESENTATION ON THIS 24TH DAY OF MARCH 1992 AD UA MAU KE EA O KA AINA I KA FONO (TRANSLATION-KANAKA TO ENGLISH) PRESERVE AND ENDURE DEFINITE SOVEREIGN OF THIS LANDS AND TO DO IT HUMBLY "ALOHA" I THANK YOU FOR GIVING ME THE RIGHT TO TESTIFY AT THIS PUBLIC HEARING.

ALOHA,

[Signature]

[Address]

Washo, Makanele, Hawaii 96769

Clpdf - www.fasbio.com
To Henry Cooper

I am writing to you in regards to the STARS program on Kauai. I am very much against the STARS program. My reasons are:

1. STARS is not safe.
2. STARS is damaging to the environment.
3. STARS costs too much money.

First of all, I don't think that STARS is safe enough and many noted scientists agree that STARS is very unlikely to work. The Army keeps insisting that the 20 year old Polaris missiles are completely refurbished and have a 97 percent reliability rate. The Army also tries to reassure us that there has never been a detonation or explosion of Polaris booster in flight. Contrary to these "facts" given by the Army, there has been termination of two rocket launches. Last December there was a rocket explosion at White Sands, New Mexico. More recently, at Cape Canaveral a guidance missile, similar to the one to be used at PMRF, had to be destroyed shortly after liftoff. Cape Canaveral has a safety area of 18,000 square miles, while PMRF only has a 10,000 square foot safety area.

Secondly, the EA and EIS state that there will be no significant impact on the environment. I do not believe that at all. For one thing, there are freons in emissions from the missiles. Freons have similar properties as CFC's. Researchers from NASA blame CFC's for depletion of the ozone layer. Also, chemicals such as aluminum oxide, hydrazines, and hydrochloric acid will be in the payload of the missiles. These chemicals are known to cause death and disease in plants, animals and humans. Medical research has linked aluminum to Alzheimers disease. Further more,

hydrochloric acid is a deadly gas to humans. Recently, a California highway was closed due to a spill of hydrochloric acid. Also, exposure to chemical emissions from STARS missiles can cause respiratory problems.

Finally, I think the STARS program will cost too much money. I have seen figures as high as $75 billion dollars! I do not want any of my hard-earned-tax-paying-money to be spent on STARS. I do not think the government has the right to be spending billions of dollars on STARS while there are millions of homeless people in the USA; while there is still no cure for AIDS or cancer; while most of the children in the USA live in poverty; or while most of the citizens of the USA have inadequate or no health care.

In summary, I think that the STARS program should be scrapped! The USA needs to be using its money, resources and time for the tangible benefits of all its citizens. Finally, I think the military should remember that pollution knows no boundaries and that the citizens of the USA are not the only inhabitants of The Earth.

STOP STARS!

Brigid McBride
P.O. Box 1476
Kapa'a, HI 96746
April 2, 1992
April 2, 1992

Deputy Commander
U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3601
Attention: CSSD-ENV (D.R. Gallieer)

Dear Sirs;

Re: Draft Environmental Impact Statement for the Strategic Target System (February 1992) U.S. Army SDC
Pacific Missile Range Facility Kauai Test Facility
Manu, Waimea, Kauai, Hawai'i

Thank you for the opportunity to review and comment on the Draft Environmental Impact Statement (DEIS) for the Strategic Target System, dated February 1992.

The Office Of Hawaiian Affairs is concerned about the effect of this project on land use in the Manu area. Several hundred acres of Hawaiian Homes Trust land lie extremely close to the Pacific Missile Range Facility (PMRF). Historically, this federally-created but state-administered trust has lacked money and other resources to develop its land. Recently, renewed effort is being made to make Hawaiian Homes lands available to Native Hawaiian trust beneficiaries.

The safety hazard zone proposed for this project may affect the ability of DHHL to develop these lands as anticipated. The land use section of the DEIS does not address this issue. We believe that a discussion of the safety hazard zone and its potential impacts on the development of DHHL lands should be included in the final EIS.

The public property adjacent to PMRF is also a concern. This property is part of the public trust and is currently leased to Kekaha Sugar Company by the State of Hawai'i Department of Land and Natural Resources (DLNR). The DEIS proposes that safety measures include a Memorandum of Agreement (MOA) among PMRF, DLNR and Kekaha Sugar Company to allow PMRF security forces to keep the public and Kekaha Sugar Company personnel clear of the ground hazard area during each launch.

However, the lease between Kekaha Sugar and DLNR will expire before this project terminates. The conditions of the MOA will effectively restrict the use of this land to agriculture for a period longer than the length of the lease. This negative effect on land use options is not discussed in the DEIS but should be included in the final EIS.

The water supply for PMRF should be addressed. The lack of water in the Manu area has been an issue of concern for many years. It is our understanding that PMRF obtains its water from the Kekaha Sugar Company. If the lease to Kekaha Sugar Company is not renewed will there remain a supply of water for PMRF?

Guaranteed public access to the beach areas of PMRF was a condition of the transfer of the property to federal control. The DEIS at page ES-6 states that public access to beach areas at PMRF will be restricted for about 36 days a year. This appears to be in contradiction to the information contained in the Zoot 1 & 2 Environmental Assessment published on May 26, 1991 which states "[beach] closure days for this schedule is a maximum of 25 or 36 days per year." This contradiction should be clarified in the final EIS and the cumulative effect of launches on beach closure clearly detailed.

In addition the DEIS states that the maximum ESCE restriction denies the public access to about 7.4 percent (3.216 feet) of the 8 miles of available beach along PMRF and only 2 percent of the 22 miles of available public beach along western Kauai. It should be remembered that beach activities are the primary recreational activity of both the general public and the tourist population of Kauai. The 22 miles of public beach along Kauai's western coast is small compared to the public and commercial demand for beach related activities.

Therefore, the restriction of even 2 percent of the beach is significant and the socioeconomic consequences of the additional demand on other areas, should be discussed.

The proposed mitigation concerning the endangered adder's tongue fern (Ophioglossum complanatum) is also of concern to DHFL. On pages 4-30 of the
Deputy Commander
U.S. Army Strategic Defense Command
April 2, 1992
Page 3

DEIS it is proposed that mitigation would include transplanting the fern to suitable habitat elsewhere within PMRF.

We strongly disagree that the transplanting of endangered species is acceptable mitigation.

First, there is the question of whether or not the plant can withstand the shock of transplanting. Second, even if the plant is able to survive, the habitat from which it has been removed has been artificially and perhaps irreversibly altered.

The concept of protecting endangered species has a wider focus than the single individual plant. Preserving the habitat is equally important if our aim is to keep these plants viable for future generations.

Artificially, restricting endangered species to a few areas, threatens their ability to adapt and evolve as part of the natural process.

Finally, we are concerned with the cumulative effects of the hydrogen sulfide emissions on stratospheric ozone. The DEIS offers no mitigation for hydrogen sulfide emissions, stating on page 4-21 that “[p]rogrammatic stratospheric chlorine contributions over an 11-year period would not accumulate above approximately 0.0001 percent of the total global ozone loss. However, this 0.0001 percent represents an increase to ozone depletion, at a time when there is a worldwide effort to reduce the amount of ozone depletion in the stratosphere.

A story in the February 17, 1992 issue of The Ozone Variances states that the Montreal Protocol, which was created in 1987, called for a 50 percent reduction in chlorofluorocarbon (CFC) production by 1990. By 1990, the delegates were so alarmed by the rate of depletion that they agreed to a total phaseout of CFCs by the year 2000.

Although, hydrogen sulfide emissions may not be considered CFCs, they unquestionably contribute to ozone depletion. Since the focus of this issue is the depletion of global ozone, we urge a more comprehensive discussion of this effect and the inclusion of mitigative measures in the final EIS.

Sincerely,

Richard K. Fagan
Administrator

cc: Clayton Hoo, Chairperson
GHA Board of Trustees

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Deputy Commander, U.S.A.
GSDD-MV (D. R. Gallien)
P.O. Box 2502
Huntsville, AL 35802-3807

Dear Sir:

I am not wishing anyone to come over here and bomb us, but I don't want to sit here and do nothing.

So please get the STARS program going as soon as possible. I believe it would be a lot safer if the service people would practice enough with it that they wouldn’t have to worry about whether it will work or not. It would be awful if we shot one off and it didn’t work.

Sincerely,

Chloe Ellingen, Secretary/treasurer
American Legion Auxiliary
Unit #2
American Legion Auxiliary, Hawaii
Deputy Commander
U.S. Army Strategic Defense Command
CSSD-25-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Dear Sir,

I am writing in opposition to the proposed SDI missile launches on the island of Kauai. Our island is not like the desert of Nevada. Although it is by no means an "urban" center, there are still tens of thousands of "real" people inhabiting it. And even if the lives of these people are not important enough to be protected from potential "accidents", the unique and majestic beauty of Kauai's land is truly worth a serious attempt at preservation and respectful treatment. We are already going through numerous other trials, in regard to the development and proper evolution of civilization on this tiny mass of land. To think that it would even be "remotely" possible that one of these missiles might veer off-course and come down smack in the middle of the island is a nightmare that no one wishes to face. I don't know if you've ever visited Kauai or not, but if you have, you must understand that it is a very special piece of this planet.

I sincerely hope that you come to the conclusion that this proposed project has been mistakenly designated for implementation on Kauai and that the process can be reversed before it's too late for my neighbors and I.

SINCERELY YOURS,

Kenneth Wilson
YES...MORE ON STRATEGIC TARGET SYSTEM!

This statement needs your attention, YES, YOU! Have you ever considered what the environmental impact would be on the ecology of Kauai if a nuclear bomb were to be exploded over Kauai? You don't think that will ever happen, do you.

Has it ever occurred to you that a long/medium range ballistic missile, which could accidentally be launched, either from U.S. soil or from foreign soil, or from a submarine? Sure, we're at peace now, and all the missile facilities in their launch tubes are presumably at sleep. Well, Murphy's law says that if something can go wrong, (usually meaning something really bad), it most certainly will. That is not very comforting, if Murphy's law is actually true.

Now, once that missile has been launched, there is virtually no way it can be stopped. So, where if it were targeted for, say, Pearl Harbor and Hickam Air Force Base? If it hit multiple warheads, one of them could well be aimed at PMRF! BANG!...there goes Kauai's ecology, not to mention lots of folks! Now this nuclear explosion is what I call "macro-ecological impact."

On the other hand, we currently have some people spending a lot of time talking and writing about the possibility of "micro-ecological impact" that could be caused by some very much needed high-technology Research and Development. What am I driving at? I'm saying that this R and D is of vital interest to all of us as future protection against the Murphy's that are lurking out there. The magnitude of the environmental impact of PMRF, of a measly count of four tests launches a year for ten years is absolutely miniscule compared with one nuclear detonation, anywhere in the world. The nuclear fallout is a global macro-ecological impact.

If you don't think that accident-prone Murphy is of concern, then think about the current instability of the sovereign status of the former Soviet Union. Until we have all dismantled our ICBMs worldwide and as long as there are still thousands of these devices capable of knee-jerk launching with devastating consequences, we damn well better get on with our R and D work.

Come on, folks, let's support a good cause. I love Kauai just like you do. I was born and grew up in Waimea town and we had our picnics at Nohihi Dunes too. Just as we supported the troops at Barking Sands during World War II, our Company continues to support this cause, as well.

I don't want to ever be in the angelic position of saying "I told you so" if and when we were to have that big Murphy Bang over Kauai because we didn't do our homework. I don't believe you would want that either. (By the way...no offense to anyone with the name Murphy.)

Mahalo for your support too.

Alan E. Faye, Jr. Vice-President
Kikaola Land Co., Ltd.

EXAMPLES OF CURRENT IMPACTS

A. According to state agency reports, 14,556 acres of Hawaiian Home Lands at Kekaha are leased for $55,209/year. An adjacent 13,167 acres of ceded lands is leased for $358,591/year (GL S-4223). Why are the ceded lands leased for over six times the rent of Hawaiian Home Lands? Could it be because most of the ceded land revenues go to state wide programs whereas Hawaiian Home Lands revenues only go to Hawaiians?

B. These leases include rights to use water harvested by the Kokee, Kekaha, and Waimea ditch systems. This makes the water unavailable for supporting homesteading and other Hawaiian initiatives on Hawaiian Home Lands and for supporting kulaena lands and state lands in Waimea.
C. The U.S. Navy does not pay any rent for leases of 248 acres of suspected ceded lands at Mala and Waimea [GL (0)5-4596, 4597, 3952].

D. The U.S. Army does not pay any rent for lease of 8.45 acres of suspected ceded lands at Keokee [GL (0)5-3937].

E. The US Navy leases 23 acres of suspected ceded lands at the Pacific Missile Range.

F. The remainder of the FMF operates on suspected ceded lands withdrawn from territorial control by Presidential executive order. The State has never been compensated for federal use of these lands.

G. The Hawaii Water Plan states that the Koko Head Aquifer is sensitive to overpumping and that it is currently overpumped. The State Commission on Water Resource Management recently contracted a study of water shortages in the Koko area. However, the study is limited in scope, and no action is being contemplated to relieve the stress inflicted on the aquifer by overpumping.

---

Helen M. Meh
1675-2 Makaula Rd.
Kauai, HI 96756

cc: Speaker, House of Represenatives
Speaker, Senate
Secretary, Board of Land
Editor, Kauai Times

Helen F. Cooper, Director
Strategic Defense Initiative Organization
CSID-EN-V
P.O. Box 1500
Montgomery, Alabama 35807-3001

April 10, 1992

Dear Sir,

Do not test the Star program in Kauai. Firing missiles from the Pacific Missile Firing Range violates the three valuable qualities of life in Kauai:

1. Endangered marine mammals are gradually returning to their natural environments around Kauai. The numbers of the endangered green sea turtles, the Hawaiian monk seal, and the humpback whales living in the waters and beaches of Kauai have increased slowly since the marine mammal protection act was passed during the 1970's. The seals and whales choose Kauai's waters to mate and bear their young. The Army's plan to fire 80 missiles during the next ten years will frighten and drive these animals away from their less-safe beaches, where the animals are more vulnerable to their attack, and their populations will decline. We all have a responsibility to preserve these remaining endangered animals for future generations of people to study and appreciate.

2. Native Hawaiians consider the lands occupied by the Pacific Missile Firing Range, and adjacent to it, to be sacred burial grounds. The firing of missiles violates the respect and honor that is owed to this land. The wild animals that would be released into the air, water and earth from the missile launching site are lands that is cherished by native peoples.

3. Launching missiles from Kauai threatens the tourist industry. Visitors from other parts of the world choose to come to Kauai for the unspoiled beauty of its beaches, verdant valleys, dramatic rainforest, abundant marine life, and quiet lifestyle. Launching 80 missiles during the next 10 years will contaminate the ocean with debris and chemicals discharged from the missile, harming the marine life and damaging Kauai's fragile ecosystem. The movement of hazardous materials/fuels on the roads and in Kauai's airports could result in a catastrophe (like the Exxon Valdez) or the missiles that exploded in its site in Arkansas recently. Launching missiles will drive tourists away and ruin Kauai’s economy.

Thank you for your attention. Sincerely,

Helen F. Cooper

---

"Thank you for your attention. Sincerely,"

Helen M. Meh
1675-2 Makaula Rd.
Kauai, HI 96756

cc: Speaker, House of Represenatives
Speaker, Senate
Secretary, Board of Land
Editor, Kauai Times
KAUAI GUARDIANS

Education/Research

April 4, 1992

Mr. Randy Gallien, Chairman
DEIS Team
April 4, 1992

Mr. Randy Gallien, Chairman
Strategic Target System Environmental Impact Statement Team
U.S. Army Strategic Defense Command, CSSD-EN-V
P.O. Box 1500
Huntsville, Alabama 35807-7001

Re: Draft Environmental Impact Statement For
The Strategic Target System

Dear Mr. Gallien:

We have carefully reviewed the DEIS for the Strategic Target System and find that Section 2.3 (alternatives eliminated from further consideration) is not credible.

There is no reference found anywhere in the DEIS which we can associate to Section 2.3 of the DEIS. In this section there are statements and conclusions of International Law. The Anti-Ballistic Missile Treaty (ABM) and START are part of International Law. Who wrote Section 2.3 of the DEIS?

I spoke with Mr. Matt Nichols, the Army’s Treaty Advisor. I asked him if he was a U.S. COURT RECOGNIZED INTERNATIONAL LAW EXPERT. His reply was no. He said his degree is in engineering and he provided technical information for the STARS program. Did Mr. Matt Nichols write Section 2.3 of the DEIS?

Would you agree with me, that legal considerations regarding the STARS program and the SDI, would be acceptable to the people of Kauai...IF U.S. COURT RECOGNIZED INTERNATIONAL LAW EXPERTS prepared a LEGAL ANALYSIS that could be included in the final STES.

SECTION 2.3 OF THE DEIS...NEEDS TO BE QUALIFIED IF YOU EXPECT US TO BELIEVE IT.

The following list, should you choose to research, would be very helpful to you for legal information regarding the STARS program and the Strategic Defense Initiative.

* The Lawyers Committee On Nuclear Policy, Inc., 666 Broadway, Suite 610, New York, N.Y. 10012, Tele (212) 674-7790

Mr. Randy Gallien, Chairman
DEIS Team
April 4, 1992

* Professor Ann Fagan Ginger, P.O. Box 673, Berkeley, CA 94704
  Tele (415) 848-0599, FAX (415) 848-6008 (Professor Ginger is a U.S. Court recognized International Law expert)

* Professor Abram Chayes, Harvard Law School

* Professor Martin Feinrider, Nova University Law Center, Fort Lauderdale, Florida

* Chayes, Chayes & Spitzer, Space Weapons: The Legal Context, 114, Calcasius 193 (1985)

* The Strategic Defense Initiative And International Law, professor Martin Feinrider (Legal Analysis)

* Arthur S. Miller, Co-editor with Professor Martin Feinrider, Nuclear Weapons and Law (Greenwood Press)

All of the above list of names are highly qualified to provide you with accurate, truthful, legal information regarding the SDI and its component STARS program.

Now we would like to bring your attention to the argument put forth stating that the STARS program is “research” and therefore unrestricted by the ABM Treaty. We agree. The STARS program is research.

However, to the U.S. Government – at least according to the 1983 Arms Control Impact Statement (198th Congress, 2nd Session 394 (1984) and the U.S. Ambassador Gerard Smith’s Statement to the Senate Armed Services Committee, July 16, 1972) THE ABM TREATY ALLOWS RESEARCH OCCURRING IN THE LABORATORY AND PROHIBITS DEVELOPMENT AND TESTING OCCURRING AT LATER STAGES OF WORK WHEN “FIELD- TESTING IS INITIATED ON EITHER A BROAD-BASED MODEL OR A PROTOTYPE”.

We assume that you have text copy of the ABM Treaty (23 U.S.T. 3434, T.L.A.S. No. 7503). Do you have text copy of the Agreed Statements, Common Understandings, and unilateral Statements Regarding the ABM Treaty?
Mr. Randy Gallien, Chairman
DEIS Team
April 4, 1992

In order to understand the ABM Treaty - this part is essential.

According to the Unilateral Statements Regarding The ABM Treaty - on April 7, 1972, the U.S. Delegation said that...TESTING OF NON-ARM COMPONENTS FOR ARM PURPOSES...IS PROHIBITED.

According to the U.S. Army Strategic Defense Command's description of the STARS program that appears in the DEIS and other information provided by Sandia National Laboratories...IT STRONGLY APPEARS THAT THE STARS PROGRAM IS TESTING OF NON-ARM COMPONENTS FOR ARM PURPOSES. But only a United States Court of Law could confirm or deny that - wouldn't you say?

Other relevant International Law which would apply to the SDI and to which the U.S. has a legal obligation - is the Outer Space Treaty (18 U.S.T. 2410, T.I.A.S. No.6347, 610 U.N.T.S. 205). The multilateral law governing anti-ballistic missile defense systems is from the Outer Space Treaty. The U.S. is obligated to restrict itself to PEACEFUL USES OF SPACE. The family of nations has reserved outer space for peaceful purposes - NOT FOR USE TO MILITARY ADVANTAGE. Obligations emanating from the multilateral Outer Space Treaty alone...could well determine the LEGALITY of SDI. The "Brilliant Pebbles" space-based interceptor missile system...HARDLY QUALIFIES AS "PEACEFUL".

In closing this communication - we would prefer that the Army Strategic Defense Command, volunteers to INCLUDE A "REAL" LEGAL ANALYSIS OF THE STARS PROGRAM IN THE FINAL EIS. We prefer not to seek a court order that would mandate you to do so. We also prefer not to engage in a massive demonstration, that quite possibly would be the largest protest in modern history of Kauai.

One final comment. In 1968, President George Bush said: "We should abide by the ABM Treaty - and so should the Soviets". I agree with Mr. Bush on that. Do you?

Would you support SDI and STARS if they were illegal? If there are any questions, I can be contacted at: (808) 671-7781

Sincerely,
Robert MacKernan
President

cc: Garden Island Newspaper, Kauai Times Newspaper, Senator Inouye, Senator Road, Mayor Takamura, Lawyers committee On Nuclear Policy, Professor Ann Pagan Ginger

TO THE U.S. ARMY AND SDI
APRIL 4TH, 1992

You have enslaved the land and continue to grievously wrong a generous and graceful people.

You usurp and occupy our sacred ground, despoiling it with strategic schematics of destruction, rendering no reparation or rent - now you threaten to extinguish us completely, by exposing us to catastrophic result while dismissing and denouncing as unpatriotic those who would oppose your games of war and weaponry.

The boorish taunts and jeers of your pawns and minions sizzle like acid rain defiling fertile sensibilities.

I have heard the cacophonous howl of your war dogs, felt their hot coarse fetid breath against my cheek, and am sickened by the stench of their festering putrid sores rendering foul our gentle breeze. I shiver with the desire for your departure, to see our land cleansed of you and restored to the people.

Make this not your lair, leave go these horrendous designs of deadly consequence and doom - we are not your Dachau and desire not your rank dollars of deceit.

Repatriate our lands, restore our indigenous people, the Kanaka maoli, divest your hold upon us and leave go your exploitive occupation of a sovereign nation held wrongfully in bondage and thralldom.

Kalanikumai kumaka na ali i hanohana.

Witness my hand:

[Signature]

aka/ c. e. schimmeltennig III
March 24th, 1992

CITIZEN STATEMENT

I am known as Zacheriah Branch Harmony. I am a keike o ka aina, a part-hawaiian child of the land, born Charles Edwin Kalonikumai Ku'umaka o ali'i hanahano Schimmelfennig III. I returned home to Kaua'i three years ago after 28 years a wayfarer in the Americas. I have learned about war and killing. I have worked well at many jobs and have educated myself in the ways of the world. I believe in and support self-determination.

My father and grandfather also were veterans. My grandfather, Cari Mekauili o kalonikumai hanahano Schimmelfennig, was the great-grandson of Nakapa'aahu Kailiopaloahilani, whose grandfather was Kailiopaloahilani. My grandmother, Elizabeth Brandt Schimmelfennig, was the granddaughter of Isaac Kapuai'al Hart, whose mother was Kahomanui.

My plike is planted in this land, at Kaneo Landing, at my families former taro patch. I can count many of Kaua'i's 'a'ahana as my relatives, and all of Kaua'i as neighbors.

I pray consideration and support be given those who oppose the strategic target system and any launches from Kaua'i. Their fears have not been calmed, they are not appeased, their doubts cannot be silenced with ridicule or threats. There is too much at risk.

There are those here, who have a moral certainty, that the effects and hazards of the tests can and would be catastrophic- endangering our precious small, fragile and unique habitat. There are many topics of concern, types of environmental issues, ozone depletion, air, water, life systems threatened, whales, airborne toxins, historical sites, uses of the land, neighbors - even the ownership of the land, 99 years since the illegal overthrow of a sovereign government, to say nothing of the consequences of human error.

Many of these voices represent groups, working hard in a last ditch struggle to defeat and prevent a catastrophe. They have considerations and opinions prepared with great reason and logic, of the risks - yet another viewpoint that you are hearing tonight and tomorrow, cannot be readily described in a logical, empirical, rational and linear mode of thinking, because it is visceral, "gut level", intuitive, and not epistemologically definable by western standards. The military complex is built on a systemized, mechanistic exploitation of resources.

Yet it is the way of our aina to caretake and nurture the resources, to replenish the land as it nurtures, replenishes and takes care of us. 'Gut level' feelings, to us keike o ka aina, is the na'a'o, our intestines, where our feelings are. Hawaiians are big on "gut level" feelings, they listen to them. That is why the hawaiian word for enlightenent is na'a'o, and ignorance is na'a'o po.

'Gut level' - these SDI plans are not consistent with the living spirit of this land- they can destroy this land. Respect the traditions, respect those feelings, bring no strategic tests here.

I beg you to release the people of the Marshall Islands, give them back their land, their self-determination, their destiny. Restore them and bomb them no more. Bring no SDI tests here- say No Action as the alternative to Star Wars!

Mahalo... "Ono Ila Ka Na Na Na Na Pono The Life-breath of the land will be restored when control is returned to kanaka ma'oli, the rightful heirs."

Kalonikumai Kumaka na ali'i hanahano,
ake: Zacheriah Branch Harmony
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

PMRF has been employing people without workable options and will continue to. To use unemployment as tactics to generate support is an insult to the people of Hawaii.

The war makers have trashed the Psalm 15, trashed so many beautiful ecosystems around the world. This must stop. Do not keep your war machine to our peaceful island. The Islands of the Pacific have suffered long enough for addictive missile programs. Stop!

Name: Josh Addison
Address: P.O. Box 1301 Honolulu, HI 96814

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callahan)
P.O. Box 1500
Huntsville, Alabama 35807-3601

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

My name is Leslie Steinmarch. As a Kauai Rancher, Educated Adult. I say it is time for us Air - Military- for our island to come from a higher reason, to join together to preserve our planet - Kauai is mine.

The few pieces that still have clean air and water the Aloha spirit must not be tampered with. I urge, please, whatever it takes to not launch these missiles on this sacred land.

It is not in my interest, nor the NHRF's interest, to make Missiles. The Hopes of Peace - NOT war.

Name: Leslie Steinmarch
Address: P.O. Box 1301 Honolulu, HI 96814

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callahan)
P.O. Box 1500
Huntsville, Alabama 35807-3601
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Missile launching from the island of Kauai is the most insane joke I have heard yet! You can't be serious. Why ruin such a perfect example of pristine beauty with such sickening pollution. Don't you know, love is the answer.

Please, please, please, no bombs/rockets/deadly poisons near our home, which is the planet earth. Thank you.

Name: REBECKA WAGN
Address: PO BOX 1655, HAWAII, HI 96714

I oppose the basing of the STARS launching base on Kauai, Hawaii.

In particular, I am concerned that the military role on Kauai is being expanded. Increasing military activities on Kauai will tarnish the image of Kauai as the Garden Island.

Name: FRED SNYDER
Address: 3473 LAWAILOA LN, KOLEA, HI 96756

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSO-EN-V (D.R. Gallien)
P.O. Box 1300
Huntsville, Alabama 35807-3801
April 4, 1992

To All Those Of May Concern,

This letter is written from the heart of a mother of three children on Kauai. It is an appeal for the future of all the children of the World.

Recently our family viewed a video entitled "Whaling", produced by Earthtrust. The contents of the video reminded us of the great food resource the Pacific Ocean offers, as long as she is respected & protected from toxic pollution.

Even minimum pollution from the SDO program at PAAE would be unacceptable due to the toxicity of the chemicals involved.

All those who come to Kauai have the chance to be moved spiritually. Man has inhabited Kauai for over 2000 years. Her sacredness & beauty has been preserved.

Why take a chance at damaging these precious resources? With joy of all I am...
Deputy Commander, U.S. Army
Strategic Defense Command
Huntsville, Alabama
April 7, 1992
Attention: CSSD-EN-V
Aloha D.R. Gallien,

As a resident of Kauai, I am writing to you to express my opposition to the implementation of any SDI or "Star Wars" missile testing on this island. It is simply inappropriate to the character and ambience which this island represents in the hearts of people all over the world, beauty, harmony and especially—peace.

At a time when we are donating billions of aid to our once former enemy who seemed to necessitate such a defense program, this program seems to be of the past. Its purpose gone, its remaining momentum must therefore only be of value to those who have a vested personal (rather than national or global) interest in its implementation, those businesses which would prosper greatly from selling the equipment required, and those military personnel who believe their personal employment security lies in the continuation of war preparations.

The paradigm has shifted. There are a growing number of us who understand that when one focuses on the need for war, then wars will be manufactured. With the same principle of what you focus on is created in experience, many of us are now choosing to focus on peaceful ways of getting along on this planet. If we plan for peace, it is my belief that ways to maintain peace will be found.

Thank you for your time in reading this letter.

Sincerely,
Mrs. Linda Carpenter

P.O. Box 3487
Pineapple, Kauai 96722

Written Comment Sheet
Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The Draft EIS grossly understates the impact of an accident on the tourist industry together with devastating effects on the fragile island's eco system on land, air and sea. The Draft EIS has no credibility.

Name  GERALD KORTE
Address  379 ILALO PL, KAPAA, HI 96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
I was born and raised on Kauai. Besides the experience gained with the U.S. Army, Y.M.C.A. of Kauai, and the DOE, I also had the opportunity of working for the Dept. of Land and Natural Resources as Camp Director for the Youth Conservation Corps for four summers and also to be trained at Asilomar which is located at Monterey, CA. Since the 1960's, when the PMRF and its various agencies, and activities appeared on Kauai, there have been no adverse effects to Kauai's environment. The PMRF should be commended for its efforts at keeping the entire part of Kauai under their control in the condition it's in.

The bird sanctuary located adjacent to PMRF's facilities, which was built by the DLNR, shows no ill effects from activities conducted by the PMRF. However the same cannot be said of the activities being conducted by private enterprises on the North Shore (Especially). Leptospirosis and hepatitis warnings seen to be the standard for any of the fresh water environment in that part of the island.

I recall the sense of elation my family and I felt when the Patriot Missile proved itself in combat against the SCUD. What would have been the outcome of the Gulf War if weapons like the Patriot - "Smart Bombs" were not in existence?

There was saying I learned while in the Army, "For those who have never fought for it, life has a flavor the protected will never know."

And yet, I noted one day, a bumper sticker that read, "No Rockets."

Why not, "No commercial boating in the Hanalei River. No commercial windsurfing at Anini beach. No commercial kayaking at Polihale, and No commercial tours into Mohihi?"
10 APRIL 1992
KALOA, KAUI, HAWAII

DEPUTY COMMANDER 
U.S.A:
CSSD-ENVY (J.R. GARVIN)
P.O. BOX 1500
HUNTSVILLE, AL 35087-3801

RE: STAR WARS I AM FOR THIS PROJECT

First, in order for the United States to remain free and to pursue its goals in these troubled times, it must have at its immediate disposal a strong integrated military force equipped with the most modern and up-to-date military hardware with which to accomplish its mission of defending these United States. The Star Wars program, with its latest technology and equipment, is a step in that direction. While Russia is no longer a military threat, the several breakaway countries within the Soviet Republic, some armed with military nuclear hardware that once belonged to the Soviet Union, are a threat to world peace. Therefore, sophisticated weapons systems, such as Star Wars, are necessary towards keeping America strong and free in the years that lie ahead.

Secondly, on a more personal note, the Star Wars program at PMRF means employment for many residents of Kaui. Kill the Star Wars program and you will inevitably eliminate the all too precious jobs which PMRF provides the many people of Kaui. If the issue is the possible threat to the environment, one should remember that if we lose the next war, because we did not have the right equipment, the environment on Kaui would have very little meaning as we would not be around to enjoy it. So, it's better to "bite the bullet" now, rather than let an enemy take this land away from us because we lost a war - where Star Wars might have made a difference.

PMRF = PACIFIC MISSLE RANGE FACILITY- BAREING SANDS
KEKAMA, KAUI, HAWAII 96752-0128

Winoal D. Baranger

WINNIA D. BARANGER
AMERICAN LEGION AUXILIARY
HI- KAUI, UNIT 2
383 D AUN RD.
KOA, HI 96756
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am very concerned about the future of Kauai. The island is already facing the impact of people, cars, and heavy industry. The Star Wars program will only compound these problems much more. I am very opposed to Star Wars on Kauai. I don't want the noise and traffic that come with Star Wars. The noise and traffic will compound this problem. I am also concerned about the hazardous chemicals that a Star Wars program would bring. Please stop it!

Name: Becky Marsfield
Address: 100 Main Street, Kauai, Hawaii 96732

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (R. Gallien)
P.O. Box 1800
Huntsville, Alabama 35807-3801

Writen Testimony:

AHA: CSSD-EN-V OR (R. Gallien)

Hey you know this is about the Zone letter I have written regarding your plans to test Plan's missiles on my Homeland island-Kauai.

Once again I am writing to tell you I do not support this program.

I have attended every informational session and have reviewed all the materials concerning this program. I continue to come to the same conclusion: this project makes absolutely no sense.

The test results are conclusive if this is an indication of how the program will be implemented then there is certain to be a tragic accident which would contaminate this irreplaceable little island.

One accident is too many! The pristine environment which exist on Kauai today can not be matched in most of this already polluted earth. So keep those toxic chemicals off the Garden Island. And for that matter please figure out how to recycle all your programs because the time for Phase III is now!

Sincerely,

Laine T. Martin

[Signature]
My name is Nani Rogers and I am a Kanaka maoli. Kauai is the only place I can call home. I was raised to respect and believe in the American way, and to do whatever they tell us to do. Well, I am sorry to say that after 52 years, I have finally opened my eyes to the truth. It's all a big farce. The U.S. government and military will do whatever they feel like doing, with no consideration for people of the nation. I no longer trust and respect our government. I want to be logged in the records that will be tallied for a count of people for and against as totally NOT for rocket testing on Kauai. Please for once, do not turn a deaf ear to our concerns, we are not ignorant to your ways, in fact, we're used to it, you've made us this way. You've been deaf to our needs and concerns ever since you overthrew our government of Hawaii and put our Queen in jail almost one hundred years ago. When are you finally going to ADMIT your BREACH OF TRUST and APOLOGIZE to our Hawaiian people? There are many valid and sensible reasons, as evidenced in previous testimonies tonight, that this Draft EIS is "EMPTY PROMISES OF SAFETY". You have compiled to do this to make yourselves look like you really care, but its just a ploy to fool the people. You still have every intention to go on with the program. All you people with yellow shirts, when are you going to get the message right? Your jobs are not in jeopardy, just maybe your island? or maybe your lives and lives of your children? If you think the military would never do anything to harm you or your family, then you better take a good look at the native people, our Polynesian cousins that live on Ebeys Island. The military Stars program did that to them or what about the US Marines that arrested our Queen Liliuokalani and took our sovereignty from us. Wake up people, your family is in worse jeopardy than lost jobs.

Page 2 - Nani Rogers' testimony

STARS hearing

STARS is something not in harmony with our island life. It is not "Pono", in perfect order. Without "Pono" our land cannot be perpetuated in righteousness as stated in our Hawaiian Motto, "UA MAU KE EA O KA AINA I KA PONO." (The life of the land is perpetuated in righteousness.)

Therefore, I will not beg, I will not ask, but I will demand that no further moves be made towards rocket testing on Kauai until all environmental issues are better reviewed, the Hawaiian lands issues are scrutinized and addressed and the people of PMRF be told the truth about their jobs, and the people of the Marshall Islands and Niihau be told that no rockets will not be aimed towards them. Believe me, we are NOT against PMRF, we value their work and their support to the people on the westside of the island. I speak in the name of PEACE. I truly believe it has to start somewhere, sometimes so why not here on Kauai and why not NOW.

JUSTICE FOR THE HAWAIIAN PEOPLE:!!!!!!!
KA LĀHUI HAWAI'I
LEGISLATIVE RESOLUTION
November 8-11, 1991, Māui Session

Submitted by: Kaua'i Land Committee

TITLE: A RESOLUTION RELATING TO THE STAR ROCKETS TESTING ON HAWAIIAN HOME LANDS, LOCATED AT MĀHALOA, KAUAI

Whereas: This rocket facility uses Hawaiian Home Lands without due compensation for use of these lands; and

Whereas: There is a concern about environmental degradation due to rocket launches and injury to natural resources and life forms;

THEREFORE BE IT RESOLVED THAT:

Ka Lāhui Hawai'i opposes and bans this activity throughout the entire Hawaiian archipelago.

Certification

This is to certify that the above resolution was adopted pursuant to the authority vested in the Legislature.

Māilani E. T such, Kaua'i
Ka Lāhui Hawai'i

JAN 1 1 1992

Date

Resolution #91-11-2
INSENSITIVE TOWARDS PACIFIC CULTURE

It is culturally inappropriate to launch from Nohili Dunes, which is the most sacred spot on Kauai for native Hawaiians and compares in cultural sensitivity with launches from the National cemetery in Arlington, Virginia.

The impact area for STARS is only a short distance north of Rongelap Atoll and a big snub to the people of Rongelap, who were forced to evacuate their land for the future of their children, because of serious contamination from previous atmospheric nuclear tests.

For the Pacific people their ocean is the greatest asset and their survival. It is wrong to use that ocean for the development of destructive weapons, to contaminate its environment and to make island nation economy dependent on that activity.

The weapons are not designed to defend the Pacific, while the Pacific people have to pay the price of a degraded environment.

Previously the Minuteman I was used as a delivery vehicle for target payloads and launched from Vandenberg AFB in California until their numbers ran out.

Around 500 Minuteman II missiles will become obsolete after the latest armscut proposals.

Why is STARS still necessary when around 500 nearly similar missiles to the MM I are shortly available?

Is it because it's better to pollute the Pacific environment, rather than the Californian?

ENVIRONMENTAL BRAIN DRAIN

Too many talented scientists, who work on STARS and its related strategic and tactical defense programs, are drawn away from finding solutions to many immediate environmental problems like climate change, global warming and ozone depletion. A brain drain from the environment.

It is dangerous to have too many scientists, who know nothing else than how to develop and manufacture weapon systems.

R & D has to concentrate on environmental problems instead of defense, which already has an abundance in weapon systems and has lost its rationale for new ones.

MISSILE PROLIFERATION

STARS adds to environmental problems and assumes an increase in ballistic missile threats from third world countries.

Non Proliferation is best served by full implementation of existing international nuclear disarmament treaties, the negotiation of a Comprehensive Test Ban treaty, the creation of an International Space Launch Agency, a ban on Missile Tests and prevention of missile technology transfers.

STARS, ANOTHER OZONE DEPLETER

The depletion of the ozone layer is one of our greatest environmental threats. Even if we stop the use of all ozone depleting products now, the process of depletion will continue.

It is an act of great irresponsibility and disrespect for life by the Strategic Defense Command to release Freon 11482, a brominated fluorocarbon, straight into the stratosphere, where its depleting potential is the greatest.

The environmental dangers from these activities are greater than the possibility of any country attacking the USA, the very reason for which STARS missiles are required.

The United Kingdom Stratospheric Ozone Review Group concludes in its "Stratospheric Ozone 1990" report to the Department of the Environment and the Meteorological Office that bromine has a much greater potential than chlorine to act as a catalyst for the removal of ozone throughout the stratosphere.

Currently 20-30% of the Antarctic ozone depletion is attributed to bromine and there is concern that bromine may be even more important for ozone loss in the northern hemisphere in the future.

There is also enough evidence that exhaust gases from thousands of solid fuel rocket launches destroy the ozone layer. The US Space Command in Colorado Springs estimate 1500 launches of all types in 1989 alone.

In March 1990, a panel of the National Research Council of the National Academy of Sciences, which advises the Federal Government, called for a switch to liquid propellants, saying this would eliminate rocket-born pollution of the atmosphere.
ROCKETS. FUEL AND TOXIC WASTE

The manufacture, testing, launching, refurbishing and dismantling of rockets and missiles is a very toxic business, which will require billions of dollars to clean up.

Aerojet and Hill Airforce base are both on the Superfund National Priorities List. United Technologies Rocket plant threatens a nearby public reservoir with carcinogenic trichloroethylene (TCE) leaks and burns solid rocket propellant in open pits.

No assessment has been made as to how the Polaris A-3 rocket motors will be refurbished. Will the solid fuel be replaced and if so what will happen to the old fuel? Will it be burned in open pits at United Technologies as has been the standard practice?

More than 1500 US DOD sites have been recognised to contain toxic waste and according to a 1989 department estimate DOD continues to generate 900 million pounds of hazardous waste annually, yet environmental restoration is only 0.4% of its total budget.

The GAO report on toxic waste from 600 overseas US bases has been classified, an indication that the problems are serious.

How can a proper EIS be issued, when previous malpractices are classified and the public won't know what the real consequences of the military toxic problems are.

The US military is the worst single polluter in the world, yet secrecy clouds the real consequences on the pretext of national security.

The biggest threat to the future planet is a degraded environment. National security is best served by cleaning up the mess, instead of adding to the problems.

DEBRIS IN THE OCEAN

There has yet been no environmental impact statement on the dumping of debris from missiles in the Pacific Ocean.

Since the SDC makes no attempt to retrieve the debris, this has to be classified as dumping.

The STARS missile and payload will be destroyed when there is a system malfunction and most debris will then subsequently be dumped into the ocean.

Success or failure, the 1st, 2nd, 3rd stage and the payload of the target missile are dumped into the Pacific Ocean, as are the parts of the defensive missile, which will be launched against STARS.

The "Convention on the Prevention of Marine Pollution by Dumping of Wastes and other Matter", the so-called London Dumping Convention from 1972 recognises that the capacity of the sea to assimilate wastes and render them harmless, and its ability to regenerate natural resources, is not unlimited.

The EIS should state the exact content of the debris, quantities and how much this will add to debris previously dumped during missile tests.

Thousands of missile tests have taken place in the Pacific and each time, solid and/or liquid waste is dumped in the ocean, without a statement on the environmental impact.

NOTICE TO MARINERS

There is a standard practice to issue Notices to Mariners during missile tests, which usually only indicate the impact areas for missile stages and payloads.

How do Mariners know when a missile is destructed in flight and where the resulting debris will come down?

A warning zone for the complete flight path should be issued to ensure safety, because potential debris could be dumped into the sea over the entire area from launch to impact.

CONCLUSION

STARS is of no strategic importance, it will damage the atmospheric, land and ocean environment, it is insensitive to Hawaii, it will continue the reliance of the Marshall Island's economy on US missile tests, it creates a warzone on the free high seas and endangers our common future generation.

Sincerely,

Martin Gotje
March 25, 1992

STAR WARS PUBLIC HEARING

WRITTEN TESTIMONY

Kauai War Memorial Convention Hall

My name is Mrs. Lei Kalamau, a Native Hawaiian on the Dept. of Hawaiian Homelands (DOHL) Waiting List and President of the Aboriginal Native Hawaiian Association, Mokupunio O Kauai. I would like to ask everyone here tonight to forgive me if I hurt anybody's feelings in the past or in the future. I'll try to be more careful from this day forward.

This is the purpose of the Hawaiian Homes Commission Act, 1920 as stated in the Hawaii Revised Statutes, 1991 Supplement, Volume 1, Title 1A:

PURPOSE: "The Congress of the United States and the State of Hawaii declare that the policy of this Act is to enable native Hawaiians to return to their lands in order to fully support self-sufficiency for native Hawaiians and the self-determination of native Hawaiians in the administration of this Act, and the preservation of the values, traditions, and culture of native Hawaiians."

We make up a group of native Hawaiians from West Kauai and Niihau who are waiting their turn to become homeowners and pay our rent to our own mortgage.

Our parents did not have enough to let us $10 to $20 thousand dollars to make a downpayment to buy our own homes. Our upbringing was so different from what you who are so fortunate to own your own homes. So we have to rely on DOHL as our last chance of owning our homes. Right now we have no opinions or solid facts for us to shift gears in to sovereignty. So we have to stick with DOHL.

Some of us are on Medicaid, but what? They have their reasons, who are we to say "Go work," when we don't know why they are on Medicaid anyway. I pay federal and state income taxes too. If they need the money, they need the money, only God knows why. I let him judge them. But these people are my friends, and I know deep in my heart they need the money. Those who are misusing Medicaid, their conscience will tell them no. But I work hard to help, and that's all I need to know.

My family live in Hanapepe, I work in Waimea. My family consist of my husband and I as we have no children. I consider myself an aunt to any other child of young adult I come in contact with, because of their fear of young lives ahead of them. I want to help them live a fruitful life and give them hope for their future. I made mistakes, so I want to help them avoid unnecessary waste of their time. If I accomplish this feat, then my work upon this earth will have never been in vain.

NOTE: At this point, I was halted from proceeding with my testimony as my 9:30 minute limit had been met.

June 1990 I testified at Kekaha Neighborhood Council Star Wars Public Hearing, Commander McReeley at the time was in attendance. I came away feeling that employees had nothing to worry about. The Star Wars program would have no effect on PMRF. I testified that I didn't want missiles to come to my house if I was going to be warned above Puhiwai. That location is where the available lands are for DOHL, West Kauai and Niihau eligible native Hawaiians. Way, way inside. We don't want to live at Anaholah because our lifestyle is on the westside.

A few months ago, we went before the Kauai County Council to testify and we found that a missile should have landed near or on Kalahe Island, Lanai, and off Niihau. My friend was there on Niihau at the time so I believe him.

A few days after that testimony, those who are against the Star Wars program want to testify before the County Council that Star Wars program should be permitted to come here. So I called DOHL and expressed to them this Star Wars issue to them, but they said they should investigate available lands in Waimea, Hanapepe, Kahului and as far as Kauai may be, so I pulled myself. So when the employees at PMRF won't be so fearful of losing their jobs. I expressed to DOHL that it is not our intention to make trouble, we have to live together with each other. And so we and DOHL are still in touch.

If the employees at PMRF fear losing their jobs, be assured there will be a rippling effect in Kauai. And that's too much. I love my job. For months I was working late so I could keep my desk clear. I never claimed overtime pay unless it was approved prior to working late. For two reasons, the practice of working late had to be terminated. Those reasons do not come from me, for if I could, I would continue to work late. That's how much I love my job.

March 19, 1992 Kauai Times, PMRF's Commanding Officer Capt. Robert Mullins states, "To speculate that cancellation of the STAR program for whatever reason would have the drastic effect of landing directly to closure of PMRF would be overstated. The future of STARs and the future of PMRF are separate issues."

If so many employees fear losing their jobs, then Commander McReeley and Commander Mullins were lying to the newspapers when they say STARs have no affect on PMRF.
That's how I received my information, that no one was going to lose their jobs. I appreciated the Commanders said nothing about jobs, but the intimation that closure of PMBF says to me, my friends will still work at PMBF because PMBF is not going to close at this time, because of Star Wars.

I believe the Commanders. So with my Alpha Spirit, if that's what they said, I didn't think about it and take them at their word. If they lie, you have to hear the next time they tell me something, I do not believe them. I am saying in this issue Senator Inouye's Press Secretary in Washington, D.C. is saying something, and the Army has statistics showing there are too many mistakes, the same as those who say there is no solution, Senator Inouye's Press Secretary is saying there is no solution. The reason I do not believe him, because it's very hard to give the right words in the minds of these young children at the time, in this day, they can still remember the effect of that missile mistake. It's like being raped as a child and still feel the fear as an adult. So we live by the words you tell us, and we give our aloha to Commanders respect and mitigation. Senator Inouye's Press Secretary. We are caretakers because it's very important to give them a second time around, although we are taught to forgive otherwise how can Father in Heaven and His Son, Jesus Christ, forgive us.

Somebody has to clear these two different versions of 'not losing their jobs' and 'losing their jobs' because these stories don't match. Which story is first and which story is in opinion?

A question was asked last night that bothered me in this moment: **WHAT DO YOU HAVE TO OFFER US?**

This question referred to we who are opponents to Star Wars. It is in case employees lose their jobs, what have we to offer the employees.

**HOW ABOUT GOING HOME WHERE YOU WERE BORN**

We go on the DBHIL Waiting List West Maui and Molokai had every intention to work in the waiting list who have their homes in Kahului and Amakua. But when we were told they cannot vote because we are not members, we run around here, they said, 'We do not want them.' They said, 'We do not want to help them.' They said, 'We do not want to support them.' They said, 'We do not want to help them with the DBHIL Waiting List.'

**WHAT DO YOU HAVE TO OFFER US?**

President Bush is in this position, Mr. Francis J. Hargrave, Executive Director, National Commission on American Indian, Alaska Native and Hawaiian Housing in Washington, D.C. submitted a request to the Office of Management and Budget (OMB), the president's budget office, on what the funding authority should do to support the Commission on Native Hawaiian Housing. President Bush has to include in his budget funds to send to DBHIL. President Bush in Hawaii does not seem as high on his budget list as the millions of dollars that go to the military programs.

The Congress is in a position to help Governor Waihele, DBHIL of Hawaii, as they have a bill to send to the Congress of the United States of the purpose of the Hawaiian Homestead Act, 1920, the responsibility of Congress towards this Act and request money for DBHIL. If not, I cannot do that. My suggestion is that they throw away the Hawaiian Homestead Act, 1920, get all the Homesteaders out of their homes, off the land, and allow the principle of the land to be shared with the native Hawaiians. This is how we are going to do it. My parents, brothers, sisters, nieces, nephews, aunts, uncle's, cousin's. DBHIL Waiting List Applicants become Homeless!!

But history tells us on January 17, 1893, Queen Liliuokalani had to give up her throne. You cannot erase that nor can you erase the land. Sugar planters and Hawaiian Businessmen taking control of the affairs of the monarchy because the Queen would restore some of the former monarchial powers of the rulers of Hawaii that was now the cause of increasing concern among the foreign element. The compliance of Queen Liliuokalani's abdication left the real casualty to the new Hawaiian people.

Following the Hawaii Delegation testimony in Washington, D.C., the Department of Interior declared funding for DBHIL in DISCRIMINATION.

And my friend who asked the question, "WHAT DO YOU HAVE TO OFFER US?" He lives on Hawaiian Homestead land, is Caucasian, his wife is a homemaker. He has a beautiful home on that land, while we still work on the DBHIL Waiting List. My friend, I love you, your family, your group you represent me and I don't mean to pick on you, but, we do, on the Waiting List are hurt, too, because we can't have what you have, our own home too, on Hawaiian Homestead land.

In conclusion, the DBHIL has been in existence for 70 years. How can we help you? We should allow you to expand your programs to include Star Wars on Maui when we on the Maui Waiting List cannot get a parcel of land. For each eligible native Hawaiian on Maui.
COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM (STARS)

These comments deal with the alternatives mentioned in section 2.3 and are additions to my comments of March 7, 1992. Two alternatives involving launches of Minuteman boosters from Vandenberg Air Force Base should be discussed in more detail.

1) On page 2-37 it is stated that, "Minuteman I and II boosters have START Treaty limitations along with the Poseidon C-3. Furthermore, these boosters would have to be modified to meet all the mission performance criteria." Minuteman boosters have been used in the past and as recently as March of 1992 to launch simulated ICBM warheads from Vandenberg in Kwajalein. It is apparent it is possible to modify them to launch experiments planned for STARS. There should be some discussion of the specific START provisions that would preclude using Minuteman I and II boosters for STARS and an explanation why these limitations did not affect previous Minuteman launches. (Recent press reports indicate that U.S. Air Force officials are investigating the use of Minuteman I rocket motors to launch objects for SDI experiments.) It should also be indicated how many Minuteman I and II boosters would be available for STARS.

2) Use of Minuteman III boosters for STARS is rejected because "test objects would not be able to transmit encoded information when flown on a Minuteman III." More discussion is needed about the treaty provision which prohibits this for Minuteman III but allows it for Polaris. In addition, it should be explained why the information needs to be encrypted and how difficult it would be to transmit the information in a treaty-compliant manner.

Michael Jones  
Dept. of Physics and Astronomy  
Univ. of Hawaii  
2305 Correa Road  
Honolulu, Hawaii 96822
I do not approve of missile testing on this island.

I question the number of jobs to be gained here. I think they will be mostly skilled (or should be!) and where are these people on this island?

Name: S. Haas
Address: 2781 Hana, Lahaina, HI 96766

P.O. Box 165
HUH, HI 96766
APRIL 11, 1992

DEAR SIRS:

I DO NOT SUPPORT "STAR WARS" TESTING BUT I DO SUPPORT PMRF.

Sincerely,

Flora Minna
To Whom It May Concern,

I am a member of the committee against Star Wars.

4/10/92

Peace

Ronald M. Chia
Box 1776
Lihue, Hi. 96766

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am visiting Kauai from Britain for three months. I have travelled around the world and find Kauai one of the most beautiful, unspoilt places. I was horrified to hear of your plans to use this gorgeous island as a rocket launching base.

People are homeless and starving in America. Your economy is collapsing, as it is in Britain. How can you even justify spending money on "Star Wars"?

As Gorbachev was quoted saying in "Time" magazine: "It is Star Peace we need, not Star Wars."

Marilyn Barry

11178 Hill Street, Lihue, Kauai, HI 96766

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Galien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

City/State/Zip Code 96766.
Written Comment Sheet
Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am firmly opposed to STARS on Kauai.
I have read the draft DEIS, and find a 97% accident risk per launch VERY UNACCEPTABLE. We have to this island on.
An ecological & humanitarian level, this cause is something that should be considered if this program came into effect. It would be a severe shame to see one of the United States most precious gems (the island of Kauai) become a launch site for us and our children.

Name: Kathy McDougal-Gainer
Address: 70 Box 627 Kauai, HI 96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1300
Huntsville, Alabama 35807-3601

Sally Freeman, M.D.
Address: 7077 Moanalua Rd.
Kapolei, Hi 96707

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1300
Huntsville, Alabama 35807-3601

I have read the Draft DEIS, and find a 97% accident risk per launch UNACCEPTABLE.

As a resident of Hawaii for 17 years, and mother of 3 small children, I am opposed to STARS on Kauai and appalled that this is being considered on an island of the population.

Name: Sally Freeman
Address: 7077 Moanalua Rd.
Kapolei, HI 96707

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1300
Huntsville, Alabama 35807-3601
There's nothing wrong with this rocket...

The Commerce Department's announcement of a no-go order for the manufacture of certain parts for the National Aeronautics and Space Administration's (NASA) Mars Observer spacecraft has raised concerns about the potential impact on the aerospace industry and the future of space exploration. However, the decision has been met with a mixed response from stakeholders.

NASA Administrator Robert Lightfoot said in a statement that the agency is committed to continuing its work on the Mars Observer mission, which is currently scheduled to launch in 2020. Lightfoot said that the agency is exploring alternative options to ensure the success of the mission.

Some industry experts have called for more transparency and cooperation between the government and the private sector in order to ensure a smooth transition to alternative solutions. Others have expressed concern about the potential economic impact of the decision on the aerospace industry, which is already facing challenges due to the current global economic climate.

The Mars Observer mission is a key component of NASA's overall mission to understand the history and evolution of the Red Planet. The spacecraft is designed to study the planet's atmosphere, surface, and potential habitability.

As the aerospace industry continues to face challenges, it is important to consider the long-term implications of decisions like the no-go order for the Mars Observer spacecraft. The industry must work with the government and other stakeholders to ensure that the future of space exploration remains a viable and sustainable option for humanity.
April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location is this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,
Karime M. Parket

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location is this were not the case?

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,
Candace T. Aoki
GENERAL DELIVERY
KAPAA, HI. 96746
April 8, 1992

Senator Inouye & Mr. Gallien,

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Paul Flessa
4480 Ala Rd
Kapa'a, Kauai, Hi 96746

Dear Senator Inouye:

As a two tour of duty Vietnam veteran, I feel it is my duty to express a threat to our national security. That threat is the STARS project. The possible threat of incoming missiles does not compare to the known threat of the damage done by outbound missiles fired from our own country.

Not only is the STARS project proposed for Kauai a threat to the islands environment it is a 75 billion dollar threat to the citizens of these United States where in this economic atmosphere that money should be used to support the people of this country. Spend money on projects like Head Start, or the national Mayors plan to clean up the cities, or any plan that is directed towards building this country up, not on the destruction of the ecology of Kauai. Thank you for your time and work in the Senate. I know that as a veteran you will work for the true defense of this nation.

Sincerely,

Iraja Sivadas
April 8, 1992

Senator Inouye & Mr. Gallien,

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Kimberley Hopkins

Kimberley Hopkins
5E E Lokelani St.
Kapaa, HI 96746

April 7, 1992

To: Senator Daniel Inouye &
Mr. Randy Gallien

I am expressing my concern about the STARS issue on Kauai. I am against the proposals, while I am aware that our environment is already polluted with everyday emissions, exhaust & other pollutants, I feel that the emissions from the STARS rocket launch will add to the problem. I do not want beautiful Kauai, my home for 36 years, further damaged & polluted. Please take into consideration the feelings and wishes of most of the population of Kauai, to keep it as it is.

Sincerely,

Rene Murooka
Rene Murooka
P.O. Box 496
Honopue, HI 96716
Dear Mr. Galloway:

This letter is to let you how strongly I am opposed to the Stars Program on Kauai.

I understand the need for a strong defense and am NOT opposed to PMRF. However, after hearing of the age of these missiles and the high possibility of an accident; I can understand the militance of those opposed to these launches. And would be willing to put my self on the line in demonstrations blocking their launches.

Please help us to stop these launches. Our Island is not the appropriate place to do these tests.

Sincerely,

[Signature]

Name: Susan Galley
Address: 90 Box 737, Kilauea, HI 96754

[Handwritten note: Write this form in or mail by April 15, 1992 to Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Galloway) P.O. Box 1800 Huntsville Alabama 35807-3801]
April '92

Attention Senator Inouye and Mr. Galleon:

We are writing to inform you that our family and friends are deeply concerned about the STARS project being located here on our island of Kauai.

While we do support PINEF, our dissent is solely aimed at the Strategic Target System and the impending negative threat to thousands.

This small island cannot change even the smallest mishap - the result, as you know, would be disastrous.

We beseech you to support and protect us from any hint of possible change! Please bring to mind the definition of the word "accident" - "an unexpected misfortune." Thank you.

Address: Janis + Debbie Winkler, PO Box 626, Kupena, Kauai 96754

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Galleon)
P.O. Box 1500
Huntsville, Alabama 35807-3601
April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

[Signature]

Deborah Melendez
P.O. Box 3
Kilauea, HI 96751
April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Machelle Desaulniers
P.O. Box 89
Kapaa, HI 96746

April 7, 1992

To: Senator Daniel Inouye
and Mr. Randy Gallien

I am a student at Kauai Community College and am currently doing a research paper on the proposed Missile Launches at PMRF, pooring Sands. I have taken into consideration all the facts and as of today I am against the missile launching. Although I feel that we could benefit from some of the research done, I think it should be done somewhere else. After all, Kauai is a beautiful island and not very big. Accidents do happen and it could have some drastic negative effects on our island.

Thank you,

Raquel Buerba
1420 Kamehameha Rd.
Kapaa, HI 96746
Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Teri Kolder
P.O. Box 629
KAPAA 96746
KAUAI, HAWAII

April 8, 1992

TO: The Honorable Senator Daniel Inouye
Mr. Randy Gallien

SUBJECT: Proposed STARS missile launches from Barking Sands to Kwajalein atoll

I am a Kauai resident, teach at Kauai Community College, have read a fair amount on the SDI issue, and am strongly opposed to the proposed use of Kauai’s PMRF as a launching site for missiles connected with the STARS program.

Others have enumerated the shortcomings of the DEIS. My objection to the missile launches stems from my opposition to the SDI program itself. The "Star Wars" concept was built on an uncertainty, that the x-ray laser could effectively be used as an antiballistic weapon, an idea that physicist Edward Teller successfully sold President Reagan. I don’t think it is worth the billions of dollars that will have to be spent to test the idea. I believe a strong United States is predicated on the proposition that Americans be critical thinking, well-educated, have a strong moral sense and a strong work ethic, and live in a healthy economy. The Soviet Union was militarily strong, but we have all seen how easily it crumbled. Why don’t we learn from what happened there?

I am not opposed to the PMRF being on Kauai. I am against the tactic of linking the STARS project with PMRF’s continued presence on Kauai. This is a very underhanded means of getting a questionable project accepted.

Thank you for your attention.

Sincerely,

Joyce Nakahara
3176-A Akahi Street
Lihue, HI 96744

1 See for example, William J. Broad, Teller's War: The Top-Secret Story Behind The Star Wars Deception, Simon & Schuster.
April 6, 1992

P.O. Box 676
Koloa, HI 96756

To: Honorable Senator Daniel Inouye
Mr. Randy Gallien

Gentlemen,

I am writing this letter to express my thoughts against the proposed STARS missile program on the island of Kauai.

I am against the program for the following main reasons:

First, access to Poipuhe Beach, one of the island’s pristine fishing and recreational areas, will be restricted a minimum of fifty six days per year.

Second, in case of a rocket failure, the Hawaiian homelands, as well as the pristine Na Pali area near PMRF could be seriously and irreversibly damaged.

Third, I do not believe either the twenty-year old refurbished Polaris missiles are safe, nor the 10,000 square foot ground based safety area is adequate.

Fourth, the 360 kilograms of fumes these missiles will release into the atmosphere every year, for ten years, is too high to be acceptable, when the ozone layer has already decreased 10% over the island of Kauai according to NASA researchers. What good will a “Star Wars” shield do over our heads if we are all suffering from skin cancer, cataracts, and immune system damage?

Fifth, during this time of economic recession in our country, I do not feel we can afford to spend billions of dollars of research into SDI, and would like to see my tax money put into education and researching alternate forms of energy.

And finally, I do not agree with perpetuating Kwajalein island as a missile testing site, which is going against the will of the Kwajalein island people, and has forced the relocation of 10,000 on to a tiny island.

I support the continued existence of PMRF as one of the premier underwater fleet training sites in the country. But I do not support this one missile program.

Thank you for listening to my opinions.

Sincerely,

[Signature]

MARY EISER

4/6/92

Senator Daniel Inouye and Mr. Randy Gallien:
I am writing this letter to inform you that I oppose the STARS missile launches from Barking Sands. I am concerned for Kauai and the future of its people and land. I do not believe these proposed launches are in the best interest of Kauai. Thank-you.

Sincerely,

[Signature]

Gary Guilliksen
P.O. Box 853
Lawai, HI
96755
4/6/92

Daniel Inouye and Randy Gallien:

Dear Sirs, this is to inform you that I am against any and all STARRS missile launches off the island of Kauai (or anywhere for that matter). Thank-you.

Sincerely,

Jaime Byrd
P.O. Box 653
Lawai, HI 96765

April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft EIS of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on our ozone layer has not been properly addressed within your EIS. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

3. Noheli Dunes is a culturally significant area, inappropriate for use as a launching site.

4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeva.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Kalani Kama
1000 Kauai St
Lihue, Kauai, HI 96766

I would like to know why 'man-made' missile testing facilities are surrounded by 1000 miles of fenced land and an armed police + guard, while these "old" missiles with likely age problems will be blown off, about a town. "Third-light" will not be good enough here.
April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U.S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

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Sincerely,

Alison L. Dunn
P.O. Box 3236
Kauai, HI 96722

April 8, 1992

Dear Mr. Gallen,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

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Sincerely,

[Signature]

P.O. Box 3236
Princeville, Kauai, HI 96722
April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

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We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Valerie Williams

Valerie Williams
4796 Pakeha Road
Kapa'a, HI 96746-1851
To Whom It May Concern,

I am writing this letter to express my concern about the newest missile program based on Kauai's western shore.

1. I do not think in any way shape or form this system should be initiated. On several points my concern is concentrated:

   a. Military Should not take unnecessary chances with Hawaiian Lands or Alakai Property.

2. Neither STARSH Program is a waste of money at this point and want work in a safe scenario.

3. As an avid user of the ocean for recreational purposes, the closing of the last areas for testing purposes for so long of a time for so many times causes major distress.

In closing, don't start gamblers or any type of fire engines on Kauai or any where else. Leave our island on a small time scale (as can the Micron) PMRF will be okay for what it is - Nobody wants to take jobs away. It again never wanted to burn out area from their backyard. Think of it as your own backyard plus you can see the point.

Malako

Leilani

To Box 522

Hana, HI 96714 (808) 846-621

April 6, 1992

Sir: Don Strange

The Hawaii Editor:

I am against launching from Barking Sands to Kwajalein at all.

I do support local jobs for people working at PMRF.

I am opposed to the STARSH project. We are too small an island, too fragile an economy and would be unable to handle the dangers, the pollution. Our ozone layer is a serious matter.

At a time when our faith in the government is at an all-time low, this would be further evidence that this lack of trust is justified. Sincerely,

Lisette J. Nelson

P.S. I never fail to quote. I follow the issues.
DEAR SENATOR INOUYE,

HAVING READ AND DIGESTED AS MUCH INFORMATION REGARDING THE PROPOSED SDI PROGRAM ON KAUAI AS WE COULD, WE STAND ON WHAT WE ARE CATEGORICALLY OPPOSED TO THE PROPOSAL. IN FACT, GIVEN THE CURRENT WORLD SITUATION AND REPORT DISCLOSURES ABOUT THE ENTIRE SDI PROJECT, WE ARE OPPOSED TO ITS EXISTENCE.

15,000 MARSHALL ISLANDERS RELOCATED TO A 65 ACRE ISLAND!

BILLIONS, HUNDREDS OF BILLIONS, TRILLIONS (?) OF DOLLARS SPENT ON A PROGRAM OF TERRIBLE NEED OR EFFECTIVENESS, WHILE PEOPLE ARE ILL-TREATED, UNEMPLOYED, WITHOUT SECURITY!

IF THOSE IN POWER CAN'T SEE THE NEED TO USE THESE FUNDS FOR THE SOCIAL GOOD, AT LEAST LEAVE OUR HOME IN PEACE. WHY JERUSALEMIZED KAUAI AND MAKE IT A TARGET? WE WILL BE FORCED TO CHOOSE BETWEEN STAYING AND EXPOSING OURSELVES AND OUR ISLAND TO potential psychological and physical harm, AND LEAVING THE ISLAND WE HAVE GROWN TO LOVE.

PLEASE DO WHATEVER YOU CAN TO HALT THE PROGRAM. AT THE VERY LEAST, KEEP IT OFF KAUAI! YOU WILL THEN BE KNOWN BY THE PEOPLE AS HAVING THE SAME COURAGE AS GOVERNOR CUOMO IN OPPOSING THE PROPOSED NUCLEAR POWER PLANT IN NEW YORK.

Yours in hope, Bruce and Gordon Kahara.
A Safety Net Full of Holes

After nine years and $30 billion, new charges brand the Star Wars defense effort a fraud

I learned of a good idea in time to put it into practice. As a member of Congress, I have a responsibility to ensure that the programs I support are effective and efficient. In the case of Star Wars, the costs are too high, the benefits are too low, and the program has not delivered on its promises.

The Defense Department's estimate of the cost of the program is $30 billion over the next decade. This is a significant amount of money, and we must be certain that it is spent wisely.

The program's primary goal is to create a defensive shield against incoming missiles. However, the technology is not yet ready. Even if it were, the effectiveness of the system is uncertain. The program has faced many challenges, including budget cuts, technical problems, and political opposition.

In addition, the program has faced questions about its legality. Some critics argue that the program is a violation of international law and could lead to an arms race.

I believe that the costs of the program are too high, the benefits are too low, and the program has not delivered on its promises. We must be sure that the money is spent wisely and that the program is effective.

Sincerely,

Mr. Dana Boliek
A Son of Kansas
The perceived success of ground-based defense in the Gulf War rekindled interest in the SII budget. Says a congressional aide who has followed SII for seven years: "The TV images of the Patriot were worth $1 billion to SII. That's how much additional funding Congress voted for SII last year, after three years of flat or declining appropriations." Yet a study at MIT's Media Lab questions the Patriot's performance. Writing this year in the journal International Security, the study notes that the Iraqis fired few SII at night, but the analysis of videotapes shows that Scuds few by uncounted. The army estimates that the SII was 80 percent effective in South Arabia and 30 percent effective in land.

Brilliant Pebbles went public, appearing in a defense project with the Congressional Committee investigating the allegations. Sabotage has been rejected by the House at SII, pending review of the charges. Still, most believe that a whole new program can bring down Star Wars. President Bush has requested $4.4 billion for SII in the fiscal year, compared to $3.1 billion in 1993-94. Yet SII comprises 90 percent of total defense dollars with other defense programs. In view of the high cost of SII, the difference in funding from the Pentagon.

BERNIE NADLER AND BERNARD SHIELDS IN WASHINGTON

COVER STORY

SII (ABM) might be more effective. But count Brilliant Pebbles out of the budget, though. Last week President George Bush nominated former CIA director William Casey to head NSA. Goldblum worked on the Brilliant Pebbles contract at ITW.

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April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

[Signature]

SOPHIA DIAZ
P.O. Box 124
Kapaa, HI 96746

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

[Signature]

Debra Rawlings
4330 Lawana St.
Lihue, Kauai 96766
April 9, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohi Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Enewetak.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify the misconception immediately so that each P.M.R.F. employee may make a conscious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

[Signature]

Alton L. Dunn
P.O. Box 56
Hana, HI 96713

P. O. Box 3551
Princeville, Hi 96722
April 8, 1992

Mr. Randy Gallien

This is to inform you of my strong disapproval of any STARS missile launches from Barking Sands.

I believe the STARS program does not have the potential to serve as a reliable defense, and any money spent on the development of the program would be a complete waste of funds which could be better spent on domestic needs.

I also believe that even if the program were to be advanced, it should not be tested on Kauai, since it would pose a serious threat of damage to both valuable human and natural resources.

Sincerely,

Phyllis D. Graf

[Signature]
Aloha,

My name is Milosa Granda and I am 11 years old. I was born and raised on Kauai and I am 1 of 6 kids. Earlier this evening I had not planned to speak but as I heard various opinions I became overwhelmed with fear for our islands of Kauai and Niihau... Starwars... sounds like a game. I am taught to recycle paper, cans, glass... to not use sprays cans, styrofoam, to put litter in its place and to keep our beaches clean... is this a game or are we really dedicated to protecting our environment and lifestyle. I believe it or not I often think about becoming a mother and even a grandmother. Am I wasting my time thinking that my children and grandchildren will be as fortunate as I have been enjoying the purity of Kauai. It seems to me that the Militaries intentions for Starwars are to further protect our nation. However we will be destroying our natural protection... our oasis.
When I close my eyes, I imagine the ozone layer that keeps me warm at night, a safe, cool shelter on a hot day, and an icy clean wind for little growing plants and creatures. It saddens me to think Obama could become just like any other undesirable place that so many of us have run away from.

What makes me angry is our tax money will be paying for 'Star Wars.' Even I work for my money and I don't mind helping out. Recently, I watched a special about babies dying because their parents don't have enough $$ to get medical insurance. I was shocked to here America has one of the highest infant death rates.... I want my money, go, to saving those babies. I want my money to go to people who don't have a place to stay at night. I want my money to go to those people who wouldn't have dinner on the table and I want to go to Medical School but... I don't know how I will pay for it.

I think sometimes that adults don't give us credit for understanding and being concerned for the changes that affect our world, but for myself and my brothers and sisters I will say it is not that we don't understand or feel very concerned. It's just that we are very much terrified to face the truth of destruction that appears to be... Our earth has become polluted and will eventually destroy itself if people don't stop and take a close look. Please look now. Mahalo! Our earth is our home. Mahalo. Do we really want to send missiles through our home? Mahalo!

Melosa Granda
6433, Kawaihau Road, Kapa'a, HI 96746
19 March 1992

Miss Elizabeth Freeman
C/o Responsible Citizen for Responsible Government
P. O. Box 1440
Hawaii, HI 96714
Fax (808)826-1788

Dear Miss Freeman:

Thank you very much for all the news and information you sent me two days ago.

After reading some of the materials, I was really overwhelmed by the position that the people of Kauai, particularly the Mayor and her Council, have taken on the STAR/SDM missiles program. I would like to express on behalf of some Kauai landowners and Mr. Handel Drilo our full support and solidarity to the people of Kauai on this very important stand. We can only pray that more and more concerned citizens like you come to realize the kind of action that US government has practiced on small people in the specific. Your people have brought Christianity to our islands and we accept the faith. Many of us don't understand why our home islands have to be used for military purposes! I believe that your government can make changes if concerned people like you continue to cry out.

Again, we would like to salute you and express our support, and pray that God will bless you in this struggle.

Sincerely,

Julian Hiklon

---

EQUATORIAL FILMS

LETTER TO THE U.S. ARMY STRATEGIC DEFENSE COMMAND AND THE CITIZENS OF THE ISLAND OF KAUAI, FROM ADAM J. HOROWITZ, U.S. CITIZEN.

March 24, 1992

As the Producer/Director of the documentary film HOME ON THE RANGE, I have had the opportunity to travel extensively throughout the Marshall Islands and witness first-hand the cultural and environmental devastation caused by United States strategic weapons testing. My film centers primarily on the effects of ongoing missile testing at Kwajalein, but during the course of production, I also visited Bikini Atoll and met many of the displaced Bikini Islanders, who have become known as the nuclear nomads of the Pacific.

In 1946 the Bikinis were told that the atomic bomb was being tested on their island, "for the good of mankind," and were lied to believe they would return to their homes. But after 25 atomic and thermonuclear bomb detonations, Bikini Atoll is completely radioactive and will be unsafe for human habitation for generations to come.

The U.S. military began missile testing at Kwajalein Atoll in 1960, and since that time has evicted most of the Kwajalein Islanders from their traditional homelands and turned a tropical paradise into a nuclear missile test range and practice ground for World War III.

Despite the end of the cold war, missile and Star Wars testing at Kwajalein goes on, and the US Army proposes to expand the test range by launching missiles from the island of Kauai in addition to the ongoing launches from Vandenberg in California. The military has said that the additional testing from Kauai will have no significant environmental impact. They have shown they will do anything to further their programs without any concern for the human and environmental consequences.

continued on page 2

369 Montezuma St., Studio #168 * Santa Fe, New Mexico * 87501 * Telephone (505)988-3588
EQUATORIAL FILMS

The Bikinians have lost their homeland forever. The 10,000 Kwajalein Islanders are crowded onto a 65 acre island that has become a slum with conditions approaching those of a concentration camp. Like the people of Kauai, they were told that missile testing would not have any negative effects. But their homelands are off limits, their culture and traditions have been destroyed, and their future appears bleak. The U.S. government has been embarrassed into trying to improve the living conditions of the Kwajalein landowners, but the damage is too great, the problems too severe for Uncle Sam to mitigate any more.

The military always promises that their activities will not have any negative effects. But now, in our own country, we are left with Hanford, Washington and Savannah River, Georgia, two of the most contaminated places on Earth. We have seen thousands of Americans contaminated by atmospheric nuclear bomb testing in Nevada. We have seen Rocky Flats, the nuclear bomb factory in Colorado, closed down and investigated by the FBI for their flagrant and deadly abuse of the environment and the local inhabitants, and their lies about the extent of the pollution.

The military cannot be trusted. Missile testing at Kauai will surely have negative effects on this garden paradise that cannot even be predicted.

The military who has been entrusted to protect this country has destroyed countless places and countless lives in the name of national security. Their philosophy was best summed up by General Westmoreland talking about a small village in Vietnam when he said, "We had to destroy it in order to save it."

Stop the missile testing. Covert the military-industrial complex to purposes that will benefit mankind.

Sincerely,

Adam J. Horowitz

TO: DANIEL K. INOUYE
UNITED STATES SENATOR
ROOM 722, HART SENATE OFFICE BLDG.
WASHINGTON D. C.

FROM: FRED L. JAGER
1951 MUKU PL.
KOLOA, HAWAII 96756

RE: H.R.F. "STARS PROGRAM"

DATE: APRIL 4, 1992

DEAR SENATOR INOUYE:

THE PACIFIC MISSILE RANGE FACILITY (PMRF), AT MANA HAS BEEN A GOOD NEIGHBOR FOR TWENTY-EIGHT YEARS. I SUPPORT THE EMPLOYEES AT THE BASE AND WOULD NOT SUPPORT THE CLOSING OF THE BASE.

HOWEVER, I DON'T SUPPORT THE "STARS PROGRAM" AND I FEEL IT IS COMPLETELY LUDICROUS TO EVEN THINK OF USING KAUAI AS A TEST SITE. I WOULD HAVE THE SAME REACTION TO THE USE OF YELLOWSTONE, YOSEMITE, GRAND CANYON, JACKSON HOLE OR ANY OTHER PRISTINE ENVIRONMENT.

I CAN NOT BELIEVE THAT IN A TRILLION DOLLAR DEFENSE BUDGET THAT A PROJECT MORE CONducive TO KAUAI'S PRISTINE ENVIRONMENT CANNOT BE FOUND.

THIS IS NOT TO LESSEN YOUR LACK OF PROPER PRIORITIES. WHY WOULD WE CONTINUE TO SPEND THIS AMOUNT OF MONEY ON A PROJECT THAT HAS BEEN A COMPLETE FAILURE. IT HAS BEEN 10 YEARS AND NO POSITIVE RESULTS AND NO REAL STRIDES FOR MAN KIND WE HAVE FAMILIES ON THE STREETS WE HAVE PEOPLE GOING HUNGRY WE HAVE LESS AND LESS OF OUR POPULATION THAT ARE GETTING A HIGHER EDUCATION NOT TO MENTION THE FACT THAT MORE AND MORE CHILDREN CAN'T READ I FRANKLY FIND THIS A GREATER THREAT TO OUR FUTURE THAN ANY OTHER COUNTRIES POSSIBLE HOSTILE ACT VIA A INTERCONTINENTAL BALLISTIC MISSILE.

ALOHA,

FRED L. JAGER
March 31, 1992

To General Hammond, U.S. Army Strategic Defense Command, Ft. Bliss, El Paso, Texas, and/or whomever will hear & know & put energy into stopping this SDI madness.

The injustices which have been perpetuated on the people of the island of Kurejkein in the name of SDI defense is REASON ENOUGH to meet the SDI program.

How can the U.S. judge other governing bodies for human rights abuses, when our own injustices continue toward the people of this land. The quarters in the name of this marriage between super - and ineffective system. I am embarrassed to be an American because of this. Shame on God's people who call themselves Americans. Have you ever thought about the SDI program of shooting missiles into the people of your island. SDI is a waste of resources. SDI threatens the environment, The economy of the Island of Kurejkein, the Planet, STOP THE MADNESS!!!

I do not support the SDI program at all. I live in Alabama, as a launching pad is set up there. The people of Kurejkein. If you move out of your home, so the Army can live it as a target, I say out of the Pacific. AND GET OF REAL LIFE!!!

(Robin Teng)

April 4, 1992

General Hammond,
U.S. Army Strategic Defense Command
Huntsville, Alabama

Sir:

I am a war veteran of the U.S. and pay taxes. The SDI program is outrageously wasteful, harmful to the environment (on a global scale & its existence perpetuates human injustices).

This program must be stopped!

Keep the SDI Program out of Kurejkein.

I do not want SDI missiles launched from PIRF on Kurejkein.

[Signature]
April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

[Signature]

[Stamps]

P.O. Box 178
Kapa'a Kauai 96746

---

March 24, 1992

Stanley E. Butler
Save the Whales International
P.O. Box 619
Kilauea, HI 96754

On the proposed launch of Strategic Target System vehicles from PMRF on the island of Kauai.

Kauai, a sparkling gem in the vast ocean. A separate kingdom, isolated and insulated from the cares of the world. Word has reached us however that Peace has broken out.

The need to consider the risks to wildlife, the environment and public health for reasons of "national security", are no longer legitimate. The idea of wasting a project that is at once useless and impossible are ridiculous.

It is time to face the real threat to our security, the systematic destruction of our life support system. Few people today would argue that this planet and its inhabitants are in dire straits.

The US military is the largest single source of pollution and the greatest squanderer of resources on the planet.

We no longer have the need for developing or testing implements of mass destruction at any cost or possible cost, to our fragile planet and its inhabitants.

Hawaii is the Aloha State. Aloha is love, mercy, and kindness. Is "Star Wars", or for that matter any activity whose purpose is the taking of life the kind we want on the Garden Isle?

PMRF had a budget of $50.1 million in 1991. Would not that money be better spent restructuring the military to address the real threats to our security? Let us use our technology and enormous expenditures of resources on education, developing sustainable energy, environmental protection and rehabilitation.

In 1965, Adlai Stevenson, in his last speech as U.S. Ambassador to the United Nations said:

We travel together, passengers on a little spaceship, dependent upon its vulnerable resources of air and soil, committed for our safety to its security and peace, preserved from annihilation only by the care, and work and I will say love, we give our fragile craft. We cannot maintain it half free, half miserable, half confident, half despairing, half slave to the ancient enemies of mankind, half free in a liberation of resources undreamed of until this day. No craft, no crew, can travel safety with such vast contradictions. On their resolution depends the survival of us all.

Sincerely,

[Signature]

Stanley E. Butler
Save the Whales International
The proposed SFI program at PMRE is a sad statement of how the military treats people that live around its bases. It is frightening to me, that the Pentagon can try to bypass the majority, here on Kauai, who do not want these missiles launched.

I teach at Hanalei School and I am so afraid for the future. Generations to live in a world that is not concerned with protecting our environment. I feel the time is now to make a stand against outdated, cold war projects that take us backwards instead of forward. We should choose peace and a clean environment over war and destruction of our planet.

I encourage the U.S. Army to abandon its plans for SFI testing on Kauai.

Della Addison
P.O. Box 1981
Hanalei, HI 96714

Written Comment Sheet
Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please be advised — my judgment has changed since seeing the testing of missiles on the island of Kauai in 1981.

Please think about the impact of catastrophic launch on this island. By any means considered, of course, but should the water become contaminated, what would the people do for a safe supply?

I think we should be advised of the recent pressure scenario that consideration given to the correction of this. If the authorities feel they are prepared to deal with the disaster without excessive trauma to people or land, perhaps it would reconsider my present judgment.

Name: Eric Kaufman
Address: 5516 Hanalei Rd., Princeville, Kauai.

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-LN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
TO: Deputy Commander, U.S. Army Strategic Defense Command  
ATTN: CSSD-EN-V (D.R. Gallien)  
P.O. Box 1550, Huntsville, Alabama 35807-3801  

FROM: Carol Bain, P.O. Box 2320, Pahi, Kauai, Hawaii 96765  

SUBJECT: Public Hearing Testimony delivered: March 25, 1992, Lihue Convention Center, Kauai Hawaii (written testimony below was delivered in part on above date)  

"My name is Carol Bain.

Thank you, Lt. Col. Manguso, military officials and all in the audience for granting the three minutes to speak. Time is precious.

Thanks to the kind indulgence & cooperation of the military who are also providing technical services to allow the task of documenting this event on videotape to occur much easier. I am volunteering my time, tape and equipment in order to videotape this public hearing to allow it to be played back on public access TV. Particularly all of the individual testimony, and I commend you all for the courage to speak...I know its not easy, and because I am a volunteer tonight and not in the journalist role, my conscience tells me to speak. The reason I am putting this time toward the video documentation and subsequent playback, is to encourage an extended dialogue on the STARS SDI issue.

The United States of America was influenced during its most formative years by a free press, and our founders knew the value of an informed public: an informed public can be truly democratic. So, the more information the better.

By this time, a minute is up and you aren't sure whether I am an unpatronizing person who is threatening your job, or whether I am a tool of the military threatening the environment and lifestyles of the indigenous peoples of the Pacific.

"
I looked through the draft EIS, and the document is good because it shows the military paused long enough to write it. Though the document does not say present jobs at PMRF will be decreased, even their own employees don’t believe the printed words as evidenced by their testimony here. It is not a matter of whether we all believe it or not, missiles are coming.

Who really knows why the military chose Kauai, one of the most beautiful islands in the Pacific, to try this strategic experiment with? And SDI STAR Wars is like the biggest toy a rich boy could own. A missile goes up from California and 4000 miles away is shot down or crashes, near Kwajalein atoll. And March 13, 1992, they lost one sent up from Vandenberg, when an interceptor missile launched for Kwajalein missed the mock nuclear warhead. Something went wrong. Evidently, the military knows it can do this extremely technical feat most of the time, and they should be proud of the accomplishment. It really is impressive. So now, the intent is to have a new launch site 2000 miles away and do more of this only from another angle. What can be learned from this knowledge? To see if Polaris Missiles are as old and dangerous as they look? Maybe we are testing a new launch pad, or the efficiency of a new angle of trajectory. Or if the rocket fuel, whose description on page 59 in the draft EIS should scare anyone who wants to live a long and fruitful life, can be shipped safely over the Pacific.

What we are not told is: What are we going to learn about missiles we don’t already know and is it worth the costs...on all levels? Maybe we could all pitch in to help if we could just be told why STARS on Kauai is so needed. It can’t be merely to see if we can send a missile 2000 miles. But of course, I am not on the list of those with a need to know, and neither is anyone in this room. Could it be that this experiment is just to see if the people on Kauai, and the U.S., are gullible enough to accept and pay for SDI here?

The missiles are coming. I and the rest of the media are here to take pictures of both the successful launches and the major malfunctions. And, yes, there will be accidents. And though I won’t send the exploding rocket visuals to CNN, some journalist will. Visitors will definitely cancel Kauai reservations. No one in their right mind wants to be around exploding, dangerous missiles?

I have delayed the launches by 3 minutes. I encourage you all to do the same. Thank you.

PS: Questions, other than those italicised above, I would like answers to. I could not find the answers in the Draft EIS, perhaps I overlooked them. If you could answer them I would feel less worried about all of this. Please send responses to Carol Bain, P.O. Box 2320, Puhi, HI 96726.

1. Will Kauai residents get a timely (within 3 months) report on the failures as well as the successful launches at PMRF? What kind of report and what will be included?

2. I know you will try your best not to have an accident but if an accidental spill of any toxic fuel or other hazardous materials occurs, wouldn’t it be too dangerous to ship the contaminated items/dirt or whatever back to the mainland? Would they be buried on Kauai in some “safe” place above the water table? Where will it be stored? Can it be marked so well so that 30 years from now we will not accidentally build over it?

(Carol D. Bain)

[Signature]

[Date: 6/7/92]
6 April 1992

The Deputy Commander,
US Army Strategic Defense Command,
CSSD-EN-V [D.R. Geilen],
P O Box 1509,
Huntsville,
AL 35807 - 1509,
UNITED STATES OF AMERICA

Dear Sir,

We read with concern that the US Army Strategic Defense Command intends to continue testing the costly Strategic Target System (STAP) programme from the Pacific Missile Range Facility at Barking Sands on Kauai Island, HAWAII. This would involve the launching of four missiles annually for the next ten years.

Undoubtedly it will be declared that this programme will have minimal effects on the environment because your environmental impact statement suggests this. But with the end of the Cold War upon us, this programme will provide the defense industry with assured contracts and continuing employment and so avert a delicate political dilemma. Finally, such a programme would be a technological point-score of the United States. Is this not all a very U.S. oriented scenario?

We of the Pacific invite you to extend your vision beyond your shores. These roches will be aimed towards Kuaian, Atoll in the Marshall Islands, where they will test missile detection equipment. Kuaian is the largest atoll in the world. It is home to some 3,000 US servicemen and their dependents who enjoy a comfortable and secure lifestyle. Two islands away to Ebeys, a little over one mile long and seven hundred and fifty feet wide. This is home to 10,000 Marshallese, mostly displaced, some of whom are permitted to work on Kuaian. This is all as is so that the US Army testing programme may continue.

The Marshall Islands, Sir, consists of two parallel chains of atolls. The eastern chain is called Ralik, meaning Sunrise and the western one is called Ratak or Sunset. This 800 mile chain does sound like the original Pacific paradise, does it not?

However, Sir, permit me to briefly recall the occupation history of some of these islands in the past 50 years:

Majuro Atoll = World War II base of US operation.
Nii Atoll = Japanese World War II base.
Bikini Atoll = Site of atomic and hydrogen bomb tests in the late 40’s and 50’s. The lagoon is peppered with American and Japanese target ships.
Eniwetok Atoll = A nuclear testing region. Runit Island has a concrete slab that encloses the island's contaminated materials.
M_shorted Atoll = A Japanese base in World War II with a Japanese troop ship submerged in its lagoon off Wake Island.
Jaluit Atoll = Japanese headquarters during World War II and home to thousands of Japanese between the Wars.

I consider the above profile sketches speak for themselves. It is a recent history written in the context of war.

Finally there is Kuaian, Atoll, home to a US missile testing base.

Sir, may I suggest to you that the Marshallese, and the Pacific Island people in general, are tired of being unwilling hosts to military and strategic programmes imposed by larger outside nations. We ask that your Government cease these operations in a world where warfare is realistically a diminishing prospect and short term economic gain is your only incentive.

The Pacific Conference of Churches (PCC) is a regional ecumenical organization made up of some 31 member churches, National Councils of Churches and Bishops’ Conferences. It speaks for 50 per cent of all Pacific Christians.

Sir, I write to you on behalf of these Pacific people. My mandate derives from their delegates meeting in the 6th General Assembly of the PCC which passed resolutions to this effect. I am instructed to convey this matter to you by the PCC Executive.

I would therefore ask your Government to halt the Strategic Defense Initiative testing programme and thereby cease to use the Pacific as a backyard and dumping ground for the United States of America.

I look forward to your response to this matter.

Yours faithfully,

[Signature]

Secretary for Justice, Peace and Development
Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am for the Proposed STARS Project. The idea of a stake in the business of weaponry for the Marshall Islands is appealing to me. I think the area is a very beautiful place. Thank You.

Name: David A. Roseth
Address: P.O. Box 752
City/State/Zip Code: Anchorage, AK 99511

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
Humanity and the Earth is our only resource, think about it.

Name: Leonard Ashley
Address: PO. BOX 6145, LIBBE, HI 96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.C. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
April 7, 1992

To Sen. Daniel Inouye and Mr. Randy Gallien,

I am a student at Kauai Community College. My English class has been researching the STARS controversy and I would like to give you my statement, thus far.

At the beginning of my research paper, I felt against the STARS program in which I wrote my paper against it. However, as I read all the material for and against STARS, I feel my view has changed. I feel the Army has done a wonderful job of answering all questions the opposition have. Also, I admire the military's professionalism in addressing such scathing environmentalists. However, I think there are still questions to be answered. Keep up the good work. Thank you for your time.
MEMORANDUM FOR Commander, U.S. Army Strategic Defense Command, ATTN: CSBD-DH-V (D.R. Gallien), P.O. Box 1500, Huntsville, AL 35807-3801


1. The comments and recommendations on the above subject document are enclosed. Recommend addressing the comments and reissuing the revised document for review prior to finalization.

2. The scientists and engineers reviewing this document were:
   Mr. Jeffrey S. Kirkpatrick, Air Pollution Engineering Division;
   Maj. William R. Legg and Mr. Wayne Hardcastle, Waste Disposal Engineering Division;
   Maj. Jennifer Breen, Water Quality Engineering Division;
   Dr. George A. Luz, Bio-Acoustics Division;
   Maj. Jennifer Houser and Mr. Ralph Rogers, Industrial Hygiene Division.

3. Our point of contact for technical questions is Mr. Jeffrey S. Kirkpatrick, DSN 584-2510/2509 or commercial 410-671-2510/2509. Additional comments or concerns may be directed to Mr. Thomas L. Guinivan, Chief, Air Quality Management Branch, Air Pollution Engineering Division, DSN 584-3500/3954 or commercial 410-671-3500/3954.

FOR THE COMMANDER:

[Signature]

THOMAS L. GUINIVAN, P.E.
Chief, Air Quality Management Branch
Air Pollution Engineering Division

CF:
HQDA(SGDS-PSP), ATTN: COL Fits
CDR, HSC, ATTN: HSC-P
CDR, USAHA, ATTN: HSHH-NE-SH

Nationally Recognized as the Center of Military Occupational and Environmental Health Excellence
4. Reviewer: Mr. Kirkpatrick
   Pages 2-29, 2-30
   Comment: A duplicate copy of pages 2-29 and 2-30 appear in the draft STARS EIS.
   Recommendation: Include only one copy of pages 2-29 and 2-30 in the final version of the STARS EIS.

5. Reviewer: Ms. Breen
   Page 3-9, Section 3.2.1
   Surface Water Quality
   Comment: It is stated that the results of the study of surface ponds in the Naus Plain/KTP area do not indicate residual hydrogen chloride effects of past launches at KTP. However, there is no data shown which measures the chloride level in the ponds before any launches in order to support this conclusion. The conclusion that the chloride levels in the samples near the KTP are assumed to be caused by the close proximity to the Pacific Ocean and the result of infiltration of sea water. This is not supported, however, by the relatively low chloride concentration found in sample point PP which is supposed to be about the same distance from the Pacific as sample point WR. Unless sample point PP differs greatly in geological and other physical characteristics from sample point WR, this reasoning of sea water infiltration does not seem valid.
   Recommendation: Previous to any launches, include past water quality data for the ponds. This will help in comparison to current water quality data, and will be used to support the conclusion that past launches have contributed to the surface water chloride levels. Also include physical descriptions of the surface water sample points rather than just a map. The two together serve as a much better resource to interpret water quality data.

6. Reviewer: Mr. Kirkpatrick
   Page 3-13, NAAGS (Table 3-1)
   Comment: An annual National Ambient Air Quality Standard (NAAGS) value should be included for carbon monoxide (CO). The annual NAAGS for CO and sulfur dioxide should be associated with the annual NAAGS for CO and CFC's. This recommendation also applies to Table 3-1.
   Recommendation: Consider including an annual NAAGS value for CO and noting that the annual NAAGS for CO and sulfur dioxide are annual geometric means for Table 3-1.

7. Reviewer: Dr. Lux
   Page 3-41
   Comment: The suggestion is made that a day-night level of 75 decibels is equivalent to the sound generated by a home garbage disposal. The reference to support this statement in Figure 3-11, which lists the noise level at three feet of a garbage disposal as being approximately 75 decibels. No source is cited for this number. As it stands, the comparison is incorrect, because it fails to recognize that the day-night level is a 24-hour average. Thus, we cannot equate a garbage disposal to a given decibel value of day-night level unless we know the duration of the garbage disposal operation. In this case, there is a simple fix, since a garbage disposal operated for the fifteen daytime hours specified in the day-night level (700-2200) with a background level of 45 decibels during the night hours would give an LAeq of 74.9 dB.
   Recommendation: Alter the sentence to read, "This sound level is equivalent to the sound experienced by someone sitting 3 feet away from a garbage disposal operating continuously from 7:00 A.M. to 10:00 P.M. (Figure 3-11)."

8. Reviewer: Ms. Breen
   Page 3-48, Section 3.11.3
   Wastewater
   Comment: The septic tanks are noted to be designed for maximum usage expected for KTP and Strategic Target Systems activities. The design criteria should be better defined in numbers of population that the tanks and leach fields are able to support and consideration should be given to whether the launch pad activities will increase personnel numbers and therefore wastewater treatment needs.
   Recommendation: Define design statistics with respect to population demands, and consider whether any potential increase in wastewater flow from extra personnel could be handled by the current septic tanks.

9. Reviewer: Ms. Breen
   Page 4-9, Section 4.2.4
   Mitigation Measures
   Comment: All mitigation measures are based upon the assumption that there is no chance of ground water or drinking water contamination. There appears to be no research done on the toxicity of the possible contaminants in drinking water and to the surrounding life forms that may live in the surface waters. Since the chance of contamination was not considered, no treatment methods were researched. The spill plans included in section 4.9 and 4.10 do not mention any method of deterring infiltration of spilled hazardous material into the groundwater.
Recommendation: A mitigation plan should be prepared for the unexpected. The actual spill plan and clean-up methods to be employed should be included in order to determine their adequacy.

10. Reviewer: Mr. Kirkpatrick
   Comment: Modeled ambient air concentrations, using the TRUPE and the REEDM dispersion models, are given for the pollutants of concern. However, actual modeling input and output files are not given in the draft STARS EIS to confirm that the listed concentrations have been accurately modeled.

Recommendation: Include both the TRUPE and the REEDM dispersion modeling input and output files in the final STARS EIS.

11. Reviewer: Mr. Kirkpatrick
   Comment: Throughout the Air Quality Modeling Section, modeled pollutant specific concentrations are given for specified downwind distances. Without the input and output TRUPE and REEDM data sets to criticize, it is difficult to determine if these "downwind" distances are direction specific radials or concentric radials.

Recommendation: Include additional information on the definition of the specified downwind distances from the TRUPE and REEDM model outputs.

12. Reviewer: Mr. Hardcastle
   Comment: It is stated that the entire Pacific Missile Range Facility (PMRF) is considered a single facility under the Resource Conservation and Recovery Act (RCRA), and that the Strategic Target System (STARS), Kauai Test Facility (KTF), is a tenant on the PMRF which must comply to the standards applicable to the PMRF. Since the PMRF is a large quantity hazardous waste generator, tenants on its property, including the KTF which use the same EPA hazardous waste generator's number, must conform to the inspection, storage and training requirements designated for full generators.

Recommendation: Establish guidelines for the Strategic Target System's hazardous waste staging factory and operating personnel, which meet the storage and training requirements of the RCRA for full hazardous waste generators (40 CFR 262.34, 265.14 and the applicable sections of Subpart I of 40 CFR Part 265).

6100 Kamaoo Rd
Kapaa, HI 96746
April 6, 1991

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Dear Sirs:

I feel that it would be irresponsible for the Army to jeopardize the unique, clean, fragile and accessible environment of Kauai by test firing 20-yr old refurbished rockets from PMRF.

Thank you.

Sincerely,

Rebecca E. Solomon
To Whom it May Concern:

Please let it be known that I object strongly to the Strategic Target System in general. It's getting on Kauai, in particular. Please count me against this project so we can focus federal funds away from this project to support or education projects.

Sincerely,

BRUCE COBBY

Name: BRUCE COBBY
Address: BOX 445 KILAUEA, HI 96754

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Mr. Enruego and Mr. Gallien

Stop the plans for testing missiles on Kauai. This island is changing every day, we the people except and try to adjust. We the people have to stand up for our Beautiful Kauai.

Sincerely,

WARS.

I will not vote for you again.

Michael

Sheraton MauI
KANAPAI BEACH
April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

3. Niihau is a culturally significant area, inappropriate for use as a launching site.

4. I do not want my tax dollars to perpetuate human rights violations upon the people of Ebeys.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

[Signature]

P.O. Box 3232
Princeville, Kauai, HI 96722
April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U.S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbons, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

3. North Dunes is a culturally significant area, inappropriate for use as a launching site.

4. I do not want my tax dollars to perpetrate human rights violations upon the people of Enewetak.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commended. We have written to the U.S. Army requesting that the authorities clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Valerie Williams

Valerie Williams
4706 Paleke Road
Kapaa, HI 96746-1851

April 10th, 1992

Aloha Senator Inouye, Mr. Cooper, Mr. Gallien and anyone else involved with the SDI project decision:

I am a resident of Kauai and I am writing to you today to voice my extreme opposition to the SDI program that is scheduled to begin soon at PMRF, here on Kauai.

I firmly believe that this would be a tragic mistake. An old Chinese proverb states: "If we don't change direction..... We are going to end up exactly where we are headed."

We are rapidly destroying the very planet that we live on and should be striving to protect. "We have found the enemy..... and they are us!"

I believe that "National Security" is vitally important; but not at the expense of threatening our life-sustaining global environment - What's the point? A "safe country" in a world unfit to live in - who cares?

The U.S. Army and the U.S. government in general have a moral and a social responsibility to the citizens of the United States, and of the world - and not just to this generation, but to all future generations yet to come.
"We did not inherit this Earth from our ancestors.... we are borrowing it from our grandchildren."

Accidents do happen. They have happened - and they will continue to happen (in particular with antiquated equip.) A mishap here could be devastating; for those of us who live here on Kauai, for our tourist-based economy, and in particular for one of the most beautiful & pristine places on God's Earth.

I am totally opposed to the entire SDI project; however, if it must continue, please do it somewhere that the U.S. Gov. has already abused and polluted - and not here on Kauai.

$5 billion dollars would go a long way towards cleaning up the shameful toxic waste sites strewn throughout our country and the world by the U.S. Gov. in the name of National Defense. Let's get our priorities straight.

Now, before it's too late.

Respectfully and Optimistically,

Doug McKibbin
P.O. Box 374
Hauoli, Hi. 96714

April 7, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft EIS of the U.S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on our ozone layer has not been properly addressed within your EIS. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

3. Noheli Dunes is a culturally significant area, inappropriate for use as a launching site.

4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeve.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

[Signature]

P.O. Box 374
Hauoli, Hi. 96714
April 1, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft EIS. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenue.
2. The effect on our ozone layer has not been properly addressed within your EIS. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nahili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetuate human rights violations upon the people of Ebatu.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

[Signature]

Senator Daniel Inouye and Mr. Randy Gallien,

I continue to have serious concerns over the STARS program. The recent EIS has not alleviated those fears. The EIS was not specific and quantative in giving base line figures as to what "no significant impact" on our environment means. Where is the specific documentation with figures that allowed that conclusion to be reached? Where is the rest of the report? Generalities can and do mask many figures that one might not want known.

The EIS says there is a 97% operations reliability per launch. Sounds good. What is the probability that two launches are totally successful? Ninety-seven per cent to the second power equals ninety-four percent. When one continues to see the probability of all 10 launches being successful - 97% to the 40th power -( using the standard math formula for probability of success), it turns into an appalling 30% probability of success! Is this figure significant to you? This is not an emotional argument. It is a factual mathematical one.

I support the P.M.R.F base here on Kauai. It is an important asset. I do not, however, support the testing of a weapons program of questionable and limited use that has a price tag of billions of dollars, has a 70% probability of at least one launching error, has an incomplete EIS, and impacts on so many peoples lives.

This goes beyond being an argument about Kauai people, quality of our lives and those in the Marshall Islands. The STARS program should not take place at any time in any country. The price is beyond reason.

Sincerely,

Yvette Bambas
Yvette Bambas
12 April 1992

To: Senator Daniel K. Inouye
Mr. Randy Gallen

Subject: Strategic Target System

Gentlemen:

I feel I must respond to the proposed Strategic Target System vehicle launches at the Kauai Test Facility, PMRF. It's an issue that concerns me deeply, an issue that has intruded upon our lives on this island.

I strongly deplore the military's plan in accommodating and seeing this proposal through. The testing of refurbished rockets as part of an SDIO program has no place on very fragile island environment like Kauai — a nature wonderland of imposing physical beauty, with a natural, rural lifestyle of precious bygone days. We MUST preserve and protect what we have and not let the greater powers that be dictate our livelihood and future for this island.

I concur with Representative Patsy Mink's assessment of the DEIS, and feel that many valid points were raised in her testimony. Among them, the summary dismissal of many issues as "small risk," "unlikeliest," "all precautions will be undertaken", "insignificant", "not impacted adversely", and "very little hazard". Such comments beg a quantifiable explanation, and does not alleviate my concerns. Little attention has been paid to alternative actions, or alternative plans, implying that it should be the US Army's way or, the "No Action Alternative". We are left with an all or nothing proposition.

My fellow Kauaiians who work at PMRF should be granted assurances by the US Navy, the US Army, and government officials that this proposed project, if not implemented, does NOT mean a sentence of closure for the base facility. Not enough assurances have been directed toward this major concern.

Missile launching and testing as part of SDI is not the kind of projects I'd want secured, for the survival of this base. PMRF needs to focus on alternate activities and projects that provide personnel, crew, and technical training. PMRF should not be expanding its infrastructure that will change the landscape or seascape, i.e., upgrading the launching pads, building rockets and fuel storage, or constructing a dock-landing site for transportation of liquid propellants.

The land upon which the base rests is not one to be sculptured and defaced in the name of national security. Nor should we tamper with the delicate social and spiritual fabric of our community until we have weighed, very seriously, the potential outcome.

I thank you for allowing me to state my concerns.

Mahalo.

Garri M. Hirata
P.O. Box 565
Kapaheia, HI 96776

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I believe that PMRF should continue as an underwater testing range for surface ships and aircraft. Its use, however, should not be expanded to include the testing of space-based nuclear defense weapon systems. The testing of the Polaris, Ares and other missiles, as the Army wants to do, is not needed.

According to the insert in the draft of the EIS headed "Strategic Target System Project Overview" (March 1992), these tests have been ongoing for over thirty years. If the United States cannot find an effective system after all these years, evaluation should be made on another system. If the proposed launches at PMRF are approved, Hawaiian Crown Lands, including cultural, spiritual and other archaeological sites, will be affected to the point of desecration.

For example, the hazardous materials would be stored on Hawaiian homelands adjacent to PMRF. Burial grounds will be affected. Surely, one would not consider launching missiles next to Punchbowl Cemetery or Arlington Cemetery?

Name: Karl Lo
Address: P. O. Box 897
Koloa, HI 96756

Please hand this form in or mail by April 13, 1992 to
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSO-EN-V (D.R. Gallen)
F.O. Box 1900
Huntsville, Alabama 35807-3801
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

If the EIS for the Strategic Target System had been made by an impartial agency, it would be easier for residents like me to believe in the sincerity of the proponents of the STARS program at Pacific Missile Range Facility (PMRF).

As a concerned resident, I strongly recommend that the U.S. Army Strategic Defense Command take the NO ACTION ALTERNATIVE. I.e., NO STARS LAUNCHES AT PMRF. Although this is a personal statement, I know that there are hundreds — in fact, thousands — of Kauai residents who feel the same I do, but who are not taking the opportunity to express their opposition because they believe the issue has been decided and that the hearings, pronouncements, letter writings, telephonings, and other efforts to stop the STARS project are all exercises in futility.

I am sure that they are wrong because the decision makers must listen to the people of Kauai and take into consideration the concerns of the people who call the Garden Island “home.”

I have a number of concerns. First, the STARS launches will release an alarming amount of freon into the atmosphere, depleting the ozone layer, and endangering plant and animal life, including human life. Second, the launches will have a psychological impact on the people of Kauai who fear potential hazards and mishaps that could be catastrophic. Third, cultural and historical sites would be affected. Fourth, the STARS launches run counter to peace initiatives.

I should continue enumerating my concerns, but I'll add just one other observation: the STARS launches are not necessary for the security of the United States. The project serves no useful purpose.

Catherine P. Lo
P. O. Box 897
Koloa, HI 96756

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

April 3, 1992

Mr. Senator, Dear Sen.

I have written to you before on this issue of the proposed STARS program at the missile launches from PMRF. I am very much opposed to this program, and I hope public testimony to that effect at the hearing held by the Army last week here on Kauai.

I am writing today to let you know that as a long time resident of Kauai I fully support PMRF! I recall this in my recent testimony, I would like to see this plan remain a part of the diverse economy on Kauai.

I hope that the future of PMRF will not be dependent on the presence of the STARS program there. Please keep PMRF — but NO STARS on Kauai!

Sincerely yours,

Patti C. Oliver
P.O. Box 81
Koloa, Kauai, HI 96756
April 4, 1992

Senator Daniel Inouye
Washington, D.C.

Dear Senator Inouye,

I wish to convey to you my earnest desire to see the Navy Facility at Barking Sands on Kauai remain open. I have lived on Kauai for over 20 years and have always felt that PNR was an asset to our island community.

I also want to take this opportunity to express my adamant opposition to the proposed STARS rocket launches from PNR. I hope you will do everything in your power to see to it that Kauai not have this program here on Kauai.

Thank you for your assistance in this matter.

Sincerely,

[Signature]

---

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

[Draft: I don't support STARS
we can not have it here in Kauai
It must stop. The Island will die
We no longer]

Name: [Signature]

Address: [Mail box 73 Hanalei, Kauai HI 96741]

[Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1300
Huntsville, Alabama 35807-3001]
April 7, 1992

I am opposed to the STARS Program on Kauai. The fragile environment of the island could not sustain any type of accident that results from negligence at the Missile Range. STARS does nothing to further secure our National Defense. Please stop this program now.

Sincerely,

Frank Anderson
Box 827
Kauai HI

96754

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I stand support STAR Wars
But I do not support MAD

Name: Jay Anderson
Address: 1230 Box 1572 Nashville TN

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-Y (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3401
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I don't support Star Wars
but I do support Peace

Name: J. White
Address: 5086 Helenium Rd., Huntsville, AL 35801
City/State/Zip Code: 

Please hand this form in or mail by April 13, 1992 to
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I do not support Star Wars

Name: J.D. Chandler
Address: P.O. Box 10, Keene, New Hampshire 96754
City/State/Zip Code: 

Please hand this form in or mail by April 13, 1992 to
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callen)
P.O. Box 1500
Huntsville, Alabama 35807-3801
April 1, 1992

As a mother, and a long-time resident of Kauai, I am completely opposed to any missile on Kauai; any I moved to this wonderful island at great expense to live a life free from the poison of warfare. It would be a crime against nature.

Bonnie Miller
P.O. Box 983
Anahola HI 96703

April 3, 1992

Dear Senator Inouye and Mr. Galliam,

I am asking you please to stop the Star Wars on Kauai. I am against any missiles here or anywhere on the world.

Mahalo

[Signature]

Isabelle Winniger
P.O. Box 612
Kilauea 96754
Hawaii
To Senator Inouye and Mr. Galleian,

I am pleading with you to please stop the Star Wars program from coming to Kauai. I feel it is dangerous, there are no advantages to bringing it here. I have nothing against MRF — just the SDI project.

Mahalo,

Ruby Star
Po Box 959
Kilauea, HI
96754

The Pacific Ecumenical Forum

7 April 1992

The Deputy Commander,
US Army Strategic Defense Command,
CSDO-EN-V (D.R. Galleian),
P.O. Box 1500,
Huntsville,
AL 35807-1500
UNITED STATES OF AMERICA

Dear Sir,

REG: THE PROPOSAL OF STRATEGIC TARGET SYSTEM (STARS) PROGRAMME: 40 ROCKETS OVER A 10 YEAR PERIOD

The news of the (heartless) proposal mentioned above has stunned our Christian communities here in the West Coast of America, Asia and the Pacific.

The proposal states a 10 year programme of four annual launching, which would be aimed towards Kwajalein Atoll, where the military would test its missile detection and interception systems.

Allow me to bring to your attention that the Kwajalein Atoll is a cluster of many small islands circling the most beautiful and largest lagoon in the world. None of these islands are more than a few meters above sea-level. Some of them are still inhabited by the Marshallese with the exceptions of Rechamun, Maek and Kwajalein.

We, the Christian people of the West Coast of America, Asia, and the Pacific, who make up the Pacific Ecumenical Forum (in which the Marshall Islands is a member) urge you to review your mission for the next few years. The people whose lives will be endangered by the effects of radioactive and fall-out dust are together with psychological effects resulting from such dangerous games. "a target of opportunity" are your own brothers and sisters (the citizens of USA and the Marshallse).

I would therefore ask your Government to halt the Strategic Defense Initiative testing programme and thereby cease to use the Pacific as a backyard and dumping ground for the United States of America.

I look forward to your response.

Yours faithfully,

Sister Pogo Josefo SNJM
PEF Co-ordinator

Mr Ronald S. Fujita
Ma Elizabeth Freeman
April 2, 1992

Senator Daniel Inouye
U. S. Senate
Washington, DC
Attn: Randy Gallien

Dear Senator Inouye:

I want to voice my support for PMRF. Also, I want to express my opposition to STARS.

First of all, the effectiveness of STARS as a defense concept has been challenged by experts in many fields, and those who promote the program most often are those whose self-interests are involved.

Secondly, there are enormous needs which we have as a nation (and which we also have as an island), and while in more affluent times the allocation of large resources to an experimental program might be acceptable, in today's economy it simply doesn't make sense to me.

Finally, and most importantly of all, Kaua'i's environment is too fragile and the long range welfare of all of Kaua'i is too dependent on the maintenance of the special nature of that environment to take any chance on anything that might negatively affect it.

I know from your support in the past of Kaua'i preservation projects, such as the establishment of the Crater Hill Wildlife Refuge, that you care about Kaua'i. I urge you to act also in this instance as an advocate of the people of Kaua'i and of the island itself.

Sincerely,

John B. Stark
Box 398
Kilauea, HI 96754

April 3, 1992

Dear Senator Inouye and Mr. Gallien,

I am writing you to express my opposition to the SDI Star Wars missile launch program, proposed for Kaua'i. Let me say that while I am not opposed to the PMRF as it now exists, I am concerned about the negative impact of the proposed launches on the environment and on the quality of life here on Kaua'i. Please don't allow Star Wars missile launches from Kaua'i.

Sincerely,

Skip Templeton
PC Box 1224
Hanelei, HI 96714
MEMORANDUM

TO: Senator Daniel K. Inouye
Commander D. Kandy Gallien

SUBJECT: STARS Launches on Kauai

I believe that PMRF should continue as an underwater testing range for surface ships and aircrafts. Its agenda, however, should not be expanded to include the testing of space-based nuclear defense weapon systems. The testing of the Polaris, Aries, and other missiles, as the Army wants to do, is not needed.

According to the insert in the draft of the EIS headed "Strategic Target System: Project Overview" (March 1992), these tests have been ongoing for over thirty years. If the United States cannot find an effective system after all these years, evaluation should be made on another system.

I am opposed to STARS launches at PMRF because Hawaiian Crown Lands, including cultural, spiritual, and other archaeological sites will be affected to the point of desecration. For example, hazardous materials would be stored on Hawaiian Home Lands adjacent to PMRF. Burial grounds will be affected. Surely, one would not consider launching missiles next to Punchbowl Cemetery or Arlington Cemetery!

Please stop the proposed STARS project on Kauai.

Sincerely,

Karl Lo

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Laura Mandel
Laura Mandel
PO Box 129
Kapaa, HI 96746
April 6, 1992

Senator Inouye

As a resident of Kauai, I would like to say that I support PMRF and believe it is an asset to our community. But I do not support the Star project and know that there are many other uses PMRF could have in the military that would support the base, Kauai, the environment, and our lifestyle.

Mahalo

Diane Jager

1951 Muku Pl
Koloa Kauai, HI 96756

4/9/92

To Senator Inouye and Mr. Sanford S. Bishop

I am against the launching of the Star Wars for the STARS program in Kauai. I feel the missiles may hurt the environment.

Sincerely,

Emile F. Begany
Emile Begany
Po Box 323
Waimea, HI 96796
April 4, 1992

Senator Daniel Inouye
Mr. Randy Gallien

Dear Sirs:

It is difficult for me to imagine the possible negative consequences to our island were the STARS missile launching from Barren Sands to Kwajalein atoll be approved. Potential accidents, noise, pollution, smoke depletion, becoming more of a target for hostile forces, who knows what types of things would be in store for us if STARS became a reality on Kauai.

Although it is difficult to imagine our small island suffering such degradation, I'm certain the people of Kwajalein never dreamed that their island would suffer its fate either. Would you want such launch with seemingly little to gain for any Americans, to begin in your home town?

Please do whatever you can to keep STARS launching away from Kauai, and please question, on my behalf, the necessity of a STARS program at all. Thank you.

Sincerely,

[Signature]

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location is this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

[Signature]

MARK MANDEL
P.O. Box 129
KAPAA, HI 96746
April 9, 1992

To Whom it May Concern:

The time has come to say 'yes' to the vision of peace that we hold for the planet: our only home. The time has come to honor the sacredness of the lands that the United States Government took from the Native Hawaiian people. The time has come to remember the Golden Rule when we think about what has been done to the Marshallese, packed like sardines onto a tiny atoll in the Pacific. The time has come to stand up for our Mother Earth and her fragile life-sustaining atmosphere.

How can the EIS prepared for the STARS program claim to have no significant impact on the environment when it degrades the sacredness of the Hawaiian lands that the missiles will be launched from? When it displaces an entire people from their home and culture? When it threatens to destroy more of our precious ozone layer? And when it has divided the people of this island into opposing camps?

We must begin now to heal the sense of separation among all people. Our Earth is too small and our environmental challenges too pressing to not realize that as we move into the 21st century we must become World Citizens, united in Harmony.

I oppose the STARS program in any form.

Sincerely,

Lisa de Fleurx, Mauelo
PO Box 493
Kilauea, Hi
96754
April 3, 1992
4332 Naalu Place
Koloa, HI 96756

Dear Senator Inouye and Mr. Galliken,

I am writing to oppose the STARS missiles on Kauai. While I believe that the Pacific Missile Range Facility serves an important purpose as one of the premier areas in the country for underwater fleet training, I do not support the base as a place to launch larger missiles like STARS.

As a nurse, I am deeply concerned about the health effects of these launches. First, it is documented in the Army's Draft Environmental Impact Statement that the twenty-year old Polaris missiles emit hazardous chemicals such as sulfur oxides and hydrochloric acid into our atmosphere. Even a small amount of oxides in the air can cause breathing problems in humans. Research has linked aluminum oxide with Alzheimers disease. In addition, should a rocket misfire and need to be exploded, hydrazines and nitrogen tetroxide will be released—extremely deadly chemicals that could contaminate our land, sea, fresh water and air.

Second, the STARS rockets will release 90 kilograms of freon four times per year for the next ten years. According to a NASA report dated February 1992, the ozone layer over Kauai shows a 10 percent drop in density, which means that 20 percent more harmful ultraviolet radiation is being allowed to penetrate, which increases our already-high potential for skin cancers, cataracts, and immune system damage. From a health practitioner's perspective, this destruction of the earth's ozone layer must stop, or we will all suffer the consequences. What good can such missile tests do when we are suffering from cancer, cannot go out in the sun, and when there is no fresh air to breathe?

Thank you for your attention.

Sincerely,

Nancy Tyler, R.N.

3755-C Omao Road
Koloa, Kauai, HI 96756

April 4, 1992

Senator Daniel Inouye
Mr. Randy Galliken

Dear Sirs:

As a concerned citizen of Kauai I am writing to you to implore you to oppose the launching of STARS missiles from Barking Sands. The reasons I am against these launchings have been so eloquently and emotionally stated at the recent STARS hearings: the danger to human life on Kauai in the case of an accident, multiple environmental concerns, the limiting of Poipuhaie Beach access, the incredible cost of the program, and on and on.

The task of creating a more integrated global society requires collective and personal changes. To have peace in the world, we must look at fundamental issues that involve the way we arrange our society and set our personal priorities.

I urge you to take a step toward a global perspective and oppose the STARS program.

Sincerely yours,

[Signature]

Cynthia McKenna
April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Larry Falsing
General Delivery
Anahola, HI 96703

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,
April 3, 1992

Dear Mr. Gallien and Senator Inouye,

I am writing to express my opposition to the proposed STARS mile launches from Barking Sands to Kwajalein atoll for the following reasons:

1. The missile launches are an environmental hazard to Kauai and beyond. The release of fumes will drastically affect the ozone layer over Kauai, increasing our already high potential for skin cancers, cataracts, and immune system damage. The ground hazard area for the STARS missiles is 10,000 square feet whereas it should be at least 600 square miles. Potentially the areas within a 600 mile radius can be affected by hazard materials. Additionally, the potential for rocket failure is high because the Army is using 20 year old missiles. In case of failure, nearby Hawaiian homelands could be damaged.

2. The relocation of 10,000 Marshall islanders to a location barely a square mile in size in order to provide a target site is an atrocious act. Such a proposal robs these native people of their land and their traditional way of life.

3. According to Capt. Robert Mullins, commanding officer at PMRF, not having STARS at PMRF will not lead to closure of PMRF. Yet with STARS, countless residents and visitors to Kauai will lose unlimited access to Polihala Beach, a uniquely beautiful place. Kauai is appreciated by residents and visitors alike because it offers a pristine and beautiful environment that can only be tainted by the proposed STARS missile launches.

Thank you for listening to another concerned resident of Kauai.

Sincerely,

[Signature]

Hanette Gettier

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on the ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

3. Nuklak Dunes is a culturally significant area, inappropriate use as a launching site.

4. I do not want my tax dollars to perpetuate human rights violations upon the people of Ebeke.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fiduciary threats.

Sincerely,

[Signature]

P.O. Box 238
Hanalei 96714
Institute for Space and Security Studies
5125 E. AIA Highway
Melbourne Beach, FL 32951

March 24, 1992

U. S. Army Strategic Defense Command
P.O. Box 1900
Huntsville, AL 35807-1900

Re: Draft Environmental Impact Statement (DEIS)
Strategic Target System (STARS)

Dear Sirs:

As a former Director of "Star Wars" programs under
presidents Ford and Carter, I have been asked by citizens of
Kaua'i to comment on the Draft EIS for the STARS program. My
comments are attached.

Sincerely,

[Signature]

Lt. Col. Robert M. Bowman, Ph.D.
President, ISSS

Attachments

Comments on Draft EIS for the STARS Program

The Draft EIS has identified numerous significant impacts of
the STARS program and a number of serious hazards. It lists
actions to be taken to mitigate the effects and minimize the
risks. I have serious doubts about the effectiveness of these
actions, and reservations about the reliability of the
refurbished Polaris solid rocket motors, in particular.

What is absolutely clear, however, is that some impacts and
risks remain. The document does not quantify the reliability of
the Polaris first stage, for example, but we know it's not 100%.
Previous Army claims of 97%, even if believed, would still result
in a 7/10 probability of at least one catastrophic failure in the
planned 40 launches. And even if no accident ever occurs, tons
of acid and toxic aluminum will be dumped into the atmosphere
over the island. Any honest reading of the Draft EIS must
conclude that the Army is proposing numerous complex, almost
herculean, measures to minimize the impact of the STARS program.
But one must also conclude that, in spite of these measures, many
impacts and risks will inevitably remain. You simply cannot
carry on such activities in such a unique and ecologically
sensitive location without serious impact.

The document also makes it clear that these impacts are
totally unnecessary. The DOD concludes that the "Do Nothing
Alternative" would be far preferable from an environmental
perspective. It turns out that this alternative would also be far
preferable from a national security perspective. For over a
decade I have opposed "Star Wars" and the SDI program which grew
out of it because they made nuclear war more likely. My judgment
has been shared by the Joint Chiefs of Staff. Now, since we no
longer have a potential superpower enemy to go to war with,
the danger of "Star Wars" to our security has lessened, but it
hasn't gone away. It is still isolating us from the world
community of nations, reinforcing our image as world bully, and
draining resources and brainpower from the civilian space program
and commercial high-tech industry. And it still has no
legitimate mission.

Global Protection Against Limited Strikes (GPALS) can do
nothing to protect the people of the United States from nuclear
terrorists. If I was an international terrorist, and I finally
got hold of a bomb, the last thing I would do would be to start a
15-year development program to build an Inter-Continental
Ballistic Missile (ICBM) to deliver it. I would just float it up
the Potomac on a barge, or to Walhalla on an outrigger, or maybe
fly it into Red Square in a Blimp. STARS and "Star Wars"
weapons do nothing to neutralize such threats. But the
politicians and bureaucrats running the program, spurred on by
the contractors who profit from it, are continuing anyway. So
the Army (which doesn't make the policy) is preparing to rape
Kaua'i for a program the Joint Chiefs of Staff have never wanted.

[Continued on next page]
One of the ironies of all this is that they don't need to use Kaua'i! There are many other ways to put these STARS payloads into the proper trajectory if they insist on continuing the program. Have you ever asked yourself why (if they insist on using the Polaris) they don't just fire them out of submarines, using the Polaris? They don't just fire them out of submarines? The answer is that those old rockets are so dangerous, that they would probably explode, destroying the submarine, and killing everybody in it. They'd rather blow them up on Kaua'i where they would only endanger fish, birds, whales, exotic plants, an ancient burial ground, a few natives, and the tourist industry.

One of the great failings of the Draft EIS is its failure to seriously address many of the other alternatives. Personally, I prefer the "Do Nothing Alternative." But several others, if evaluated, would have been found to be environmentally far superior to the Proposed Action. Unfortunately, they were eliminated from further consideration on questionable grounds.

In particular, it is shocking to see the floating barges, fixed ocean platforms, and Minuteman III from Vandenberg options eliminated primarily because of treaty considerations. The possible technical difficulties with the INF Treaty could have been easily overcome or circumvented. If STARS would have prevented encryption of signals using Minuteman III, so what? What are we trying to hide from whom? And since when has the SDI program been so concerned about avoiding even minor technical conflicts with treaties? The whole SDI program is in violation of both the letter and the spirit of both the ABM Treaty and the Outer Space Treaty.

Do the writers of this DEIS really expect us to believe that if the island of Kaua'i didn't exist, that there would be no STARS program, because no other alternative is even possible and worth evaluating? This glaring falsehood calls into question everything else in the document. In the old days in the Pentagon, we had a description for a study like this one: an exercise you go through to justify a decision already made on political grounds." Nothing has changed in the last two decades.

The people of Kaua'i are not holding up GAPLS or the STARS program. They're just asking that it be done some other way that doesn't endanger their lives, their culture, their environment, and their livelihood. It is I who say, "Don't do it at all." Don't endanger this precious island for a suicidal, dangerous, insane (SDI) program that we in the military don't need.

Lt. Col. Robert H. Bowman, Ph.D., is President of the Institute for Space and Security Studies in Melbourne Beach, Florida. From 1976 to 1978 he directed the "Star Wars" programs under Presidents Ford and Carter, when their existence was secret. His military career took him to 34 countries, and included 101 combat missions in Vietnam. His Ph.D is in Aeronautics and Nuclear Engineering from Cal Tech.

April 6, 1992

Dear Mr. Gallen,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kaua'i for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbons, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

3. Nukoli'i Dunes is a culturally significant area, inappropriate for use as a launching site.

4. I do not want my tax dollars to perpetrate human rights violations upon the people of El'paal.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each PMRF employee may make a conscious decision based on the true impact of the program, not under duress from federal threats.

Sincerely,

Robert H. Bowman

April 6, 1992

I would like to know why "mainland" missile testing facilities are surrounded by 100 miles of fenced land if no one allowed inside a PMRF, here these "old" missiles with likely age problems will be blown off, creates a town. "Hukilau" will not be good enough here.
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I loved support the war but not for war.

PMF

Name: [Signature]
Address: [Address]

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (R.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Subject: Draft Environmental Impact Statement (DEIS) for the Strategic Target System Program, Pacific Missile Range Facility, Kauai, Hawaii - THK: various

Thank you for giving our Department the opportunity to comment on this matter. We have reviewed the submitted DEIS for the Strategic Target System and have the following comments. Also attached are comments from the State Department of Health.

Office of Conservation and Environmental Affairs Comments:

Under Section 4.6.1.1 covering flight preparation, potential impacts on land use could occur while the Strategic Target System Booster is on the launch pad. During this time (an average of 14 days), all nonessential contractor, civilian and military personnel as well as the public would be cleared from the explosive safety quantity-distance (ESQD) area. This ESQD area would affect approximately .3 mile of shoreline location within the PMRF Recreational Area 1. This represents 2.3 percent of beach area along western Kamoi.

Launches (4 per year) associated with the STARS Program would result in the closure of Recreational Area 1 for an additional 36 days per year. This represents an increase of 11 percent, from 30 percent (current percentage of days closed due to flight prep.) to 41 percent per year.
Actual launch/flight activity will affect 688 off-base hectares (1,700 acres) of state-owned land leased to the Kealake Sugar Company for the production of sugar cane and 154 acres of Polihale State Park.

Land uses within the off-base ground hazard area would continue except during launch operations, when the area would be cleared for safety purposes approximately 20 minutes prior to each scheduled launch. PMF personnel may enter the area up to three hours before launch to post signs and to give notice to any people within the area of their need to leave. Clearance would affect only six percent of the Kealake Sugar Company leased land and intertidal transit to Polihale State Park and the beach along PMF.

The DEIS reports that access to Polihale State Park will be temporarily closed for a minimum of 20 minutes and up to 40 minutes per launch. In addition to STAMS launch activities, these clearing/closure procedures, along with similar activities for other PMF/STAMS and EDX program launches, could result in a total time of fifteen (15) hours per year that the area would be cleared.

Also, as indicated in the submitted report, a memorandum of agreement (MOA) is being developed among PMF, the Hawaii Department of Land and Natural Resources, and the Kealake Sugar Company. This agreement would allow PMF security forces to request that the area be cleared of all nonessential personnel for approximately 20 minutes for each launch. PMF would notify the State in advance of clearance.

According to the DEIS, the calculated impact of missile launch activities on access to Polihale Beach Park and PMF beaches would be equal to 80 minutes per year, with the potential for an additional 80 minute per year to accommodate weather, maintenance, and technical delays, in which the area would be cleared. We believe this underestimates the actual impact of launching operations on public use and access. We predict the time required for clearance activities preceding each launch, the impacts become more pronounced (3 hours/launch + 4 launches per year = 720 minutes per year).

Furthermore, it is assumed that delays associated with maintenance, weather, and technical problems, would be only 20 minutes per launch. However, given the uncertainty of environmental variables affecting each launch, this assumption is questionable.

The DEIS is satisfactory from the standpoint of aquatic resources and values as well as flora and fauna. However, we are still quite concerned over the potential impact of launch/flight activities on public access to Polihale State Park and shoreline areas adjacent to PMF. We question the reported closure/clearance periods and estimated launch delays (20 minutes respectively). It seems as though the actual time (launch window) necessary to safely and successfully conduct launch/flight activities would be somewhat longer. A more thorough/systematic discussion of launch/flight activities, including clearance activities, potential delays, and the exact areas to be affected should be conducted. Moreover, these launch/flight/clearance activities must be discussed in light of their cumulative/comprehensive impact on public use of the affected areas.

Also, our Department's Historic Sites section has responded directly to the ODO (refer to attached letter from HDO). Thank you for your cooperation in this matter. Please feel free to call me or Sam Lemo at our Office of Conservation and Environmental Affairs, at 567-0375, should you have any questions.

Very truly yours,

[Signature]

Attachment
Mr. Randy Gallian, USASC OSBD-EN
108 Wynns Drive
P.O. Box 1400
Huntsville, Alabama 35807-3501

Dear Mr. Gallian:

Subject: Comments on the Revised Preliminary Final Environmental Assessment for the Strategic Target Systems (STARS)

Thank you for allowing us to review and comment on the subject document. We provide the following comments:

Air Pollution

The Environmental Assessment should provide an appendix: a detailed discussion on the air quality impact analysis. As a minimum, the following areas should be addressed:

1. The air pollution dispersion models and the meteorological conditions used in determining the air quality impacts should be clearly described along with any deviations or assumptions.

2. Since each launching is a limited-term event, the impacts should be determined for a shorter averaging period. A 1-hour average concentration is preferable to the 8-hour average concentration as reported.

3. The impact is calculated for a distance of 9,000 meters from the launch pad. The impact should be calculated for maximum concentration at or beyond the property line and also at the nearest residence.

4. The assessment of the emissions and the air quality impacts resulting from a liquid fuel spill, a launch pad explosion, and an early launch termination should be conducted.

5. It is not clear whether only solid propellant boosters will be used or whether liquid propellant may be used as an alternative. The air quality assessment should consider the impacts resulting from all the various types of boosters that might be employed.

Solid and Hazardous Waste

The report does address concerns related to the generation and proper management of hazardous waste.

Hazard Evaluation and Emergency Response

1. The transportation safety plan for Hydrazine and Nitrogen tetroxide shipments should include the notification of both the State Civil Defense Agency and the Naval Civil Defense Agency.

2. Spills occurring during fueling/delivering of Hydrazine and Nitrogen tetroxide: "washing down to dilute concentrations" is not the best method for cleanup of these chemicals. Using sand or other absorbent material is the method of choice. Water spray should be used to control vapors (DOT 1980 Emergency Response Guidebook).

Otherwise, this report has adequately addressed the toxicological and health related aspects of the chemicals involved.

Note

The Environmental Assessment contains no information on projected noise levels from STARS vehicles, therefore, the potential noise impacts on residential communities cannot be assessed.

The report indicates that noise impacts would not be significant since the noise is a one-time event. Launches will not be simultaneous and the nearest noise sensitive area (residential) at least is eight miles from the site. However, single events with noise levels significantly above the ambient levels will result in disturbances in terms of annoyance. This environmental assessment must include an analysis on the potential noise levels at the various communities that may be affected.

Sincerely,

BRUCE E. ANDERSON, Ph.D.
Director of Environmental Health

cc: Office of State Planning, Attention: John Nakagawa
Dear Senator Inouye and Mr. Gathjen,

I am against the S.T.A.R.S. project that is proposed for P.M.R.F. on Kauai. I am also against the further use of KWAJ Atoll as a target Zero for U.S. Army and Military Missiles.

As a citizen who has voted for you for 25 years on Kauai and a U.S. N. Vet. I ask you to

please do your best for your constituents on Kauai and your polynerian friends.

No more stars on Kauai. Stop missile practice in KWAJ Atoll.

Mahalo

Victor R. McAuliffe
U.S. N. Vet
Kauai, Hawaii

P.S. You are a great Senator and doing a great job for Hawaii.
To: Determ Daniel Boone  

Randy Hallow

I am writing to you in regards to the STARS program on Kauai. I am very much against the STARS program. My reasons are:

1. STARS is not safe.
2. STARS is damaging to the environment.
3. STARS costs too much money.

First of all, I don’t think that STARS is safe enough and many noted scientists agree that STARS is very unlikely to work. The Army has been insisting that the 20 year old Polaris missiles are completely refurbished and have a 97 percent reliability rate. The Army also tries to reassure us that there has never been a detonation or explosion of Polaris booster in flight. Contrary to these “facts” given by the Army, there has been termination of two rocket launches. Last December there was a rocket explosion at White Sands, New Mexico. More recently, at Cape Canaveral a guidance missile, similar to the one to be used at PMRF, had to be destroyed shortly after liftoff. Cape Canaveral has a safety area of 18,000 square miles, while PMRF only has a 10,000 square foot safety area.

Secondly, the EA and EIS state that there will be no significant impact on the environment. I do not believe that at all. For one thing, there are freons in emissions from the missiles. Freons have similar properties as CFC’s. Researchers from NASA blame CFC’s for depletion of the ozone layer. Also, chemicals such as aluminum oxide, hydrazines, and hydrochloric acid will be in the payload of the missiles. These chemicals are known to cause death and disease in plants, animals and humans. Medical research has linked aluminum to Alzheimer’s disease.

hydrochloric acid is a deadly gas to humans. Recently, a California highway was closed due to a spill of hydrochloric acid. Also, exposure to chemical emissions from STARS missiles can cause respiratory problems.

Finally, I think the STARS program will cost too much money. I have seen figures as high as $76 billion dollars. I do not want any of my hard-earned tax-paying money to be spent on STARS. I do not think the government has the right to be spending billions of dollars on STARS while there are millions of homeless people in the USA; while there is still no cure for AIDS or cancer; while most of the children in the USA live in poverty; or while most of the citizens of the USA have inadequate or no health care.

In summary, I think that the STARS program should be scrapped! The USA needs to be using its money, resources and time for the tangible benefits of all its citizens. Finally, I think the military should remember that pollution knows no boundaries and that the citizens of the USA are not the only inhabitants of The Earth.

STOP STARS!

Brigid McBride
P.O. Box 1476
Kapaa, HI 96746
April 2, 1992
April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U.S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorochemicals, a by-product of launching missiles, have been shown to deplete the ozone in our atmosphere.

3. Mokili Dunes is a culturally significant area, inappropriate for use as a launching site.

4. I do not want any tax dollars to perpetuate human rights violations upon the people of Enewetak.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

[Signature]

[Main Address]

[Reply Address]

April 8, 1975

Dear Senator Inouye and Mr. Ballarino,

I support P.M.R.F.,

but I am seriously worried about Star Wars. Have you talked with the residents of Kauai? Should we just take everything around the island, clean and atmosphere?

Please. Don't be unclear.

Senorita,

[Signature]

[Reply Address]

Kauai, Hi. 96754
April 10, 92

Dear Senator Inouye,

I am writing to you personally, to let you know how I feel about rocket launching on Kauai. Kauai is a very special place, with it's unique environment and my research has shown that rocket launching would greatly disturb this environment. In addition, I am totally against a warlike stance on any level other than the defense. As we all know, the world is becoming more peaceful and the need for super weapons is diminishing. Vote against rockets on Kauai. Keep our environment safe.

Aloha,

Sincerely,

Catherine Downey MD
Catherine Downey MD
PO Box 429
Kilauea, HI 96754

April 10, 92

Dear Senator Inouye,

I am writing to express my concern over the Star Wars project on Kauai. I am completely against this project as I feel it threatens the safety of those living on Kauai. Not only the negative impact on the environment, but the possibilities of an accident are far too serious to ignore. This is not about jobs, it is about peace, about people's lives, and the preservation of our island.

We must not allow the risks involved. Science has taken a stand against nuclear testing in the name of peace, and it is time we do the same.

Thank you for your attention.

Aloha,

Oahu, HI 96703

Chin Petaieh
Doris Petaieh
April 10, 1972

Linda Brune,

I am totally against the Star-Wars Program being undertaken here in Hawaii. This is a peace and clean island and the only place left in the United States that is still natural and unpoluted.

The Star-Wars Project will destroy the ecological balance that has been worked for 20 centuries.

Please keep our island clean and unpolluted. I wish the peaceful nature of the island would be preserved.

Sincerely,
Eve Bruce

Eve Bruce
P.O. Box 3500-173
Princeville, Hi. 96722

4/9/92

TO WHOM IT MAY CONCERN:

I SUPPORT PEACE BUT I DON'T SUPPORT STAR WARS.

Leatrice Sween

Leatrice Sween
2633 Alaka Street
Lihue, HI 96766
(808) 245-4024
April 10, 1992

Gentlemen:

This is to let you know that as a citizen, voter, business owner and mother, I am against the implementation of the "Star Wars" project on Kauai, (Kauai/Neiauha Island).

I have deep concerns about the transportation of hazardous materials related to the project on Kauai. A highway, the main highway through densely populated areas and near schools with young children.

I am concerned and against the rocket (any rocket) being fired on the island because of possible hazardous chemical emissions into the atmosphere and of this plants.

I am concerned with Kauai becoming known as a hazardous area for heavily weighted military areas or other might I affect ourselves, the Kauai community, and the environment.

Considering these concerns, I must express to you my concern. I urge that you take all in your power to prevent the implementation of the "Star Wars" project on the island of Kauai.

Sincerely,

Mark Connell
P.O. Box 24
Lihue, HI 96766
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

A Brian,

you like do all dis crap on Kauai.

You better think again. Your not living on Kauai so of course you inconsiderate people like ruin our island.

Hey you damn boats stay the hell off our island.

Name: Smia Granda
Address: 643 Kauaihau Pk.

I understand what your intentions are wanting starters so you can protect America if something happens. But while doing that you will destroy our natural protection, our ozone. There is a little chance we will have to use those missiles in a real situation. But it's a 100% chance we will ruin our ozone layer. Poor people of the Marshall Islands are taken of there home land and crapped into a ghetto style Island. I don't call that working as one. Think About What Your Doing To Innocent People.

David Granda
643 Kauaihau Pk. Kapaa, Hawaii, 96746
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Affirmative: I have two brothers in the military and in the Marine's and they're in Korea, who are totally devoted to their work and desire to serve and protect this country. I think the service persons in the United States with their good soldiers like my brothers, not SAD or any type of positives, I have a tape called Air Attack at 35 Promenade B-51 attack planes, story says it's the best attack of all. They say you can't keep up the air to show an instant and can be recalled if need be in the SAD which can't be recalled other than the air. My how they love the country.

Name: Jeff Chandler
Address: P.O. Box 447, Huntington Beach, CA 92647

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
You are crazy people. Dry up of missiles on our island.

Maraulita (5 years old)
Granda

Name: Maraulita Granda
Address: 6A32 Kanahau DR, Aiea, Hawaii

April 13, 1992

Deputy Commander,
U. S. Army Strategic Defense Command
CSSD-BM-T (D. R. Gallien)
P. O. Box 1500
Huntsville, AL 35807-3801

Dear Sir:

Subject: Comments on Strategic Target System

Kekaha Sugar Company has cooperated with the Pacific Missile Range Facility in its missile launching activities for almost 30 years. For the most part we have been able to minimize the economic impact of the Ground Hazard Area closures by rescheduling activities or moving operations to other fields.

However, the SDI program is of a larger scope than previous ones, with up to 15 launches and 30 possible GHA closures per year. Because of this, Kekaha Sugar Company might not be able work around some of these launches and will have to stop some operations.

Interrupting operations or stopping them altogether, will cost our company money. The degree of impact on our costs will depend on what operation is affected and the duration of the closure. The operations most likely to be affected are harvesting, field preparation, planting, weed control, and irrigation.

The costs of these operations range from about $1,000 to $7,000 per day. If 30 launch closures prevent us from completing the harvesting and processing of our crop, then we stand to lose $100,000 in revenue for each day of interruption. These figures are rough estimates and are intended to give you an idea of the dollars involved.

We look forward to working with the Army in developing a compensation plan to cover the costs incurred by Kekaha Sugar because of the SDI missile launches.

Yours very truly,

L. A. PAYE JR.,
Vice President and Manager

cc: Mike Burke
Honorable Senator Akaka
US Senate
Washington, DC 20510

Dear Senator Akaka,

I live in [insert your town, your state]. I am very concerned about the proposed Star Wars testing launches from the island of Kwajalein. Using a rare, lush tropical garden as a launching pad for antiquated and dangerous Polaris missiles seems absurd.

This island is a national treasure not a potential hazardous dump site for hydrazine/nitrogen tetroxide and other rocket fuels.

Considering recent developments in Europe & the former Soviet Union, far-flung STARS missile systems seem an incredible waste of tax money we cannot afford. Certainly jobs can be created in a wide variety of life enhancing industries, environmental concerns and social issues rather than on building more war machines.

Finally, the STARS Environmental Impact Statement has listed the Marshall Islands as the target area for these proposed missile launches. These are the same islands which we have devastated since the 1950's testing nuclear missiles. Over 10,000 islanders are still living there in crowded ghetto-like conditions, surviving on government handouts while their farming lands and fishing grounds are used for targets.

To continue our role in this oppression is a national embarrassment and must be stopped. Please use your power to stop the proposed Kwajalein missile launching and put an end to the Star Wars program.

Thank you,

[Your name]
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

THIS PROJECT MUST BE STOPPED!!

* CROWN LANDS - HAWAIIAN LANDS
  FEDERAL
  LAND SWAP - TANGLED JARGON LANDS

* NIHAWAN WATER - JEOPARDIZE THE HEALTH
  CONTAMINATION OF HAWAIIAN HANDS

* RUST-REICTED PAILS 24 DAYS A YEAR
  AIR QUALITY - GROUND WATER CONTAMINATION
  SHORELINE HABITAT - RAIN FORESTS
  MARINE LIFE - CATASTROPHIC HARM

Kauai 550 sq miles - DEADLY FOR ALL

Name __________________________  Address __________________________

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallion)
P.O. Box 1500
Huntsville, Alabama 35807-3801
ClibPDF - www.fastio.com

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Sincerely,

[Signature]

Name: [Signature]
Address: [Signature]
City/State/Zip Code: [Signature]

Please hand this comment in or mail it by April 13, 1992 to:
Deputy Commander
Be U.S. Army Strategic Defense Command
Attention CSSD-EN-V (D. R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Peace, Not War

Kawail Citizens Call for a Moratorium on Missile Launches to Kwajalein Atoll, 2/76

Pele Kaunui of BMF
Senator Inouye and Mr. Fakken,

I am a permanent resident of Hawaii. I contribute professionally to the building trades here as a carpenter and builder. I relocated to Hawaii over a year ago and will stay here for at least a few years. I value a clean environment.

But it is common knowledge that this is a fragile environment. Already there is degradation of native species, erosion, and pollution. The coral reefs are in trouble. The strategic defense initiative testing of tracking technology, using outdated rockets, poses a special threat to the island ecosystems and the eventual loss of our coral reefs. In a hot and humid climate, there is an added pressure to proceed with experimentation of SDI technology.

It is my conviction that the needs and safety of the environment and the future of dangerous technology is a false one.

I submit several questions answered:

With the accident of the Challenger, space shuttle, how can we believe the safety of rocket systems proceed together from old, outdated, or obsolescent parts? Even if any arrangement of a one in a thousand chance of spilled fuel and explosion causes a loss of clean sky or the wilderness? Has there been any thorough assessment of the hazards of the chemicals that would be released in the event of an aborted launch? Has the use of a more appropriate location been considered? Does the proposed testing with American rockets guarantee the Hawaiian counterparts will track as expected? Have the social concerns of divisiveness and polarization been addressed? Has there been any study of the possible impact on the tourist trade? Will the negative image in the world community of possible rocket explosions threaten the important tourist business? Will children feel safer knowing a rocket (friendly?) might explode in their yard? Will fisheries and marine ecosystems be affected by an ocean spill of rocket fuels? Who besides the defence contracting industry will benefit economically? Is not that industrial infrastructure already located elsewhere? How much money is spent by the government on SDI public relations campaigns and propaganda? And why is any part...
of the defense establishment spending?

Money trying to affect public opinion?

Is it the responsibility of the Defense

Department to defend rather than shape

mold public opinion?

Abandoning the S.D.I. experiments

on Kauai can only improve the

image of the island, a fine place to

visit and live. Why endanger such

a good thing? Keep the rockets off

Kauai. And answer my questions.

Sincerely,

Oswell Dent

Oswell Dent

5045 Ladio Rd. HF 96746

Against Star Wars 4/13/92

To The Military:

I feel that your Star Wars project may do more harm than good. And to The Marshallese. The good

will be brought. We teach our children to put ourselves into others' shoes. Did you forget

that lesson that we should

have initially learned in childhood?

How would you like to have

your homeland be the target/

testing ground for the Star Wars? Would you be the victims of this? We must learn to live

more peacefully with each other

as these boundaries are man's

fragment of imagination and

created out of that in

actual fact we all live together

and are the family of man?

Your own family... would

you bomb them? Or even their

home if they weren't present?

I say "No" to

Star Wars!

Oswell Dent
A vote for No Action 4/3/92

Our ozone is becoming more depleted every year. Skin cancer is on the rise. Many countries have given up even the use of spray cans. Is it really responsible of you to further deplete our ozone? I moved to Kauai because of the environment being so clean and beautiful. And a lot of people visit here for that same reason. Take your polluting somewhere else! It seems your worst enemy is yourselves. Stop...for the children.

sincerely,

Tim Harky

Written Comment Sheet

Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Mr. Gallien & Senator Inouye,

We need air to live. If we don't breathe we die. So do all creatures and plants.
If we breathe toxic air we die. If the dollars are being wasted on killing ourselves then what is the point of trying to breathe? Do you not understand the bottom line of being alive and being dead? Then I pray for you.

No STAR WARS Games, More Peace.

PLEASE God Bless

Name: JANET KENNAMAN
Location: KILAUEA HI 96754

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1930
Huntville, Alabama 35807-3801
To whom it may concern,

I support RM1F and not S1.

Sincerely,

Michael East

To: Brian R.

I call for our group to unite.

Sincerely,

Kate Taylor

To: Fran, P.N.

I agree with Fran.

Sincerely,

Linda
Dear Senator Inouye and

Mr. Gallier —

My Husband and IJuly
Support P.M. R.F. Out We do not Support) the Shooting of Nuclear Missiles on Hawaii. It will Ruin Our Rainbow Ocean and Will Always Threaten the Environment.

Sincerely

Please Save our Island
Shelly Spencer 1892

To Whom It May Concern, April 19, 1992

I am in support of the people of PMRF but I am opposed to the Star Wars SPI proposal project because these are excessive, inappropriate expenditures that as a tax paying citizen I see as very low priority in the United States today. We need complete nuclear disarmament, not missiles that intercept them in space. We don’t need expensive bands that may not work. We need to commit all the leaders of this planet that nuclear payloads will no longer exist.

Sincerely,

John S. Bailey
70 Hwy 738
Bailey, HI 96784
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please do not share this sheet
launching down our threats without
due process. Hold a special election
on the island. To determine the will
of the local residents. The impact
study is merely a shamแนวรุ่น. Don't
ruin our community!

Name: Andrew Brown
Address: P.O. Box 220, Anahola, HI 96703

I am against the use of Kauai as
a test site for a D I, as are 90% of
Kauai residents. What is in it for us?
We don’t receive federal money for roads,
schools, or parks. Why should we risk our
environment and loose the use of the westside
beaches for this “beached whale” project.

Name: Laurel Brown
Address: P.O. Box 220, Anahola, HI 96703

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
RE: STRATEGIC TARGET SYSTEM
DRAFT ENVIRONMENTAL IMPACT STATEMENT

Dear Sir,

Surely the Army can find less costly, more efficient ways to spend our tax money than on the so-called STARS system. That the Draft EIS says there will be "no significant impact" does not reassure me - partly because it does not define what they consider a significant impact and partly because I simply do not believe that human beings are infallible. Accidents of all sorts do happen. This island of some 2,000 square miles is surely one of the most beautiful spots on earth, and, besides being our home, is home to many endangered species (protected by Federal law).

I could go on for pages listing what I (and many others) consider faults in the Draft EIS and in the basic premise of the STARS system, and for pages more listing other, better ways to employ the money and the Army, but you've probably heard most of them from others by now so I won't.

Register me as a "no" vote. Please "short down" this program and come check out Kauai for your next vacation. You'll love it, too.

Aloha, Linda Chow-Lee
P.O. Box 447
Hannalei, Hawaii 96714

April 12, 1992

Dear Senator Slonorge, 4-9-92

I am writing to have peace on the planet including here on earth. I note that Steel Dead support anywhere.

The only reason I heard at the hearing for Steel was economic - people in ship that needed the grant the would take the jobs (why don't we jobs that support people?) and because of a "defense", I don't see an enemy "out there", except to against the environment.

Let peace begin with me.

Sincerely,

Sara Lee, Boone Dedication

P.O. Box 910
Koloa, HI 96756
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I want to go on record against the use of PMIR or any Kauai facility for the use of sos testing. The social and environmental risks do not make the economic benefits to the island worthwhile. And I don't believe our nation needs this expensive project for our defense.

Name: Robert Brower
Address: P.O. Box 210 Anahola, HI 96703

4/10/92

From: David & Heidi Rhodes
1321 K1034 PL
KA PA U H 96746

Dear Senator Ensign and Mr. Gallien,

We are a Kauai couple who DO NOT SUPPORT the STAR WARS PROJECT especially here on Kauai. We do support PMRF. We want you to properly represent the vast majority of residents here in opposing any further development of this program on our Island.

Thank you both for serving a sane (No STARS) policy!

- David Rhodes
U.S. Army Strategic Defense Command

April 13, 1992

Comments on STS DEIS:


The Sierra Club court noted that "The government is immune from suit unless it consents to be sued by statute or by contract." Nd, slip op. at 36. It is significant, however, that at no point in the Sierra Club opinion was mention made of any allegation of the existence of a contractual relationship between the United States and the State of Hawaii. We note that the DEIS contemplates that the Army will use certain public lands owned by the State of Hawaii, including in particular Polihale State Park, under the terms of a Memorandum of Agreement and Grant of Easement with the State of Hawaii. See DEIS, Apr. B and C. It is also our understanding that at least a portion of the land underlying the Kauai Test Facility of the Pacific Missile Range Facility is also owned by the State of Hawaii and is used by the United States under the terms of one or more leases, permits, licenses, or Governor's Executive Orders granted by the State of Hawaii. Such agreements are clearly contracts between the State of Hawaii and the United States, and the status of the United States and the U.S. Army and Navy in their use of these lands is thus that of tenants occupying State-owned land.

Where the United States is a tenant occupying land owned by the State of Hawaii, the protections of sovereign immunity and Hansco are inapplicable to the question of the State's enforcement of compliance with Hawaii law. The Tucker Act, 28 U.S.C. §§ 1346(a)(2), 1491, provides the required waiver of sovereign immunity. In such cases and would permit the State of Hawaii to sue in the event the United States should breach such a contract (including breach of the implied condition that the tenant must comply with applicable laws), either by seeking specific performance (federal compliance with Hawaii law) or by seeking termination of the contract and the cessation of federal use of these State-owned lands.

It could be argued that some or all of these contracts may lack any explicit requirement for federal compliance with Hawaii law as a condition of the contract. We doubt, however, that any explicit waiver of such a requirement will be found in these agreements, either. We know of no statute or other law of the State of Hawaii which would permit the State or any State agency to waive the obligation of any tenant, including the United States, to comply with such laws of the State of Hawaii as, e.g., Chapters 69, 115, 174C, 171, 183, 183D, 187A, 190, 195, 195C, 1990, 205A, 226, 226, 286, 340B, 341, 342B, 342C, 342D, 349,
U.S. Army Strategic Defense Command
Comments on STS DEIS
April 13, 1992, p. 3

342h, 342f, 342g, 342i, and 343, Hawaii Revised Statutes. In the absence of such authority we do not believe any such contract could reasonably be interpreted as waiving the State's otherwise undoubted right to enforce its laws against its tenants. In any event, to avoid any ambiguity on this point we will be requesting that the State of Hawaii Board of Land and Natural Resources insist on the inclusion of an explicit requirement for federal compliance with all laws of the State of Hawaii in any Memorandum of Agreement or Grant of Easement which it approves with respect to this project. This would make explicit the requirements we believe are implicit in all such agreements now in effect. Such action by the Board would be entirely appropriate in light of the Board's land management responsibilities under § 26-13, Hawaii Revised Statutes, and the State's trust obligations under § 342i of the Hawaii Admission Act. We further ask you to note that the Board cannot approve such an agreement without itself ensuring compliance with Chapters 171 and 183, Hawaii Revised Statutes, and that such compliance is also enforceable by the public under, inter alia, the Hawaii Administrative Procedures Act, Chapter 91, Hawaii Revised Statutes.

Because we believe the Army must comply with state law in its activities on all lands owned by the State of Hawaii and that any potential non-compliance with State law is a significant fact that should be disclosed in the Final EIS for this project, see 40 CFR § 1508.27, we ask that the DEIS be modified to identify all lands owned by the State of Hawaii which will be affected by the proposed project and to describe in detail the measures which will be undertaken to ensure full compliance with Hawaii law or, if such compliance is either not possible or is not contemplated by the Army, the extent to which the project will not be in compliance with such laws.

Very truly yours,
Carl C. Christensen
Staff Attorney

cc: William L. Proctor, Chair, Hawaii Board of Land and Natural Resources

All of these laws were cited in DEIS Table 1-2 as having been "considered" in the preparation of the DEIS, although it is claimed that this "does not mean they are legally applicable or relevant." Ed., fn. 2.
We ALMAHANA wanting to BE HERE.
Let's forget about ignorance of our past and to keep forward our choices that truly benefit the people of this land.

K. Smith
Kevin Smith

April 9, 1992

Kauai has had a unique history as a place of strategic importance for mainland military interests for many years. The reasons have been for defense; the result has been jobs.

Many in the Kauai community will not speak out against Star Wars because they need the support of the military incomes to stay afloat.

The Kauai community, the people who have military jobs, the military itself can all come out on top by one solution. Change the Reasons.

Change the reasons for defense to reasons for saving the world.

Convert Star Wars' military jobs to civilian jobs.
Put Money for Mines into Save the Whales.
Arrest Raid Rain and Prevent Pollution on this Planet just before its too late for Life—Amid.

Ronni McBride
THANK YOU FOR HOLDING THIS HEARING AND THANK YOU FOR PROPOSING THIS PROJECT FOR KAUAI BECAUSE IN A STRANGE WAY I HAVE COME TO SEE IT AS A BLESSING. IT TOOK THE THREAT OF STAR WARS MISSILES ON KAUAI TO UNITE CITIZENS IN A WAY THEY HAD NEVER BEEN UNITED BEFORE. THIS ISSUE HAS REACHED CITIZENS IN EVERY TOWN ON THE ISLAND BECAUSE WE KNOW IN OUR HEARTS THAT STAR WARS WAS NOT RIGHT FOR KAUAI - THAT THIS PROJECT ACTUALLY ENDANGERED THE SPIRIT OF KAUAI.

THIS PROJECT HAS ALSO TAUGHT US THAT DOCUMENTS LIKE THIS E.I.S. ARE WAY TOO NARROW IN THEIR SCOPE - THAT THEY CAN NEVER MEASURE THE THINGS THAT ARE TRULY IMPORTANT - LIKE IMPACT TO THE SPIRIT OF AN ISLAND AND IMPACT TO THE DIGNITY OF NATIVE PEOPLE. I WAS APPALLED TO LEARN THAT THE IMPACTS OF THIS PROJECT REACHED FARTHER THAN KAUAI - ALL THE WAY TO EBEYE ISLAND AND KWAJALEIN. AS A CITIZEN E.I.S. REVIEWER I RAISED THE ISSUE OF THE KNOWN HUMAN RIGHTS ABUSES TO THE INDIGENOUS PEOPLE OF THE MARSHALL ISLANDS THAT THIS PROJECT WOULD PERPETUATE - BUT I WAS TOLD THIS DIDN'T FIT WITHIN THE SCOPE OF THE E.I.S. WHEN HUMAN RIGHTS ABUSES TO NATIVE PEOPLES THAT ARE PAID FOR BY OUR TAX DOLLARS DON'T FIT INTO AN ENVIRONMENTAL IMPACT STATEMENT - SOMETHING IS VERY WRONG WITH THIS PICTURE

THIS PROJECT HAS ALSO TAUGHT US TO TRUST OUR INSTINCTS. NO MATTER HOW MANY PREPARATIONS ARE IN THE E.I.S. WE KNOW AN ACCIDENT CAN HAPPEN - AND SO DOES THE ARMY. THE DIFFERENCE IS THAT WE FEEL KAUAI IS TOO PRECIOUS TO RISK EVEN ONE ACCIDENT!! FOR INSTANCE, OUR LIVES AND HEALTH ARE THREATENED NOW BY OZONE DEPLETION, YET THE E.I.S. DISMISSES ITS RELEASE OF NEARLY 8000 POUNDS OF FREON BY SAYING THE BRAND IT'S USING IS BAD BUT IT'S NOT COVERED BY HAWAII STATE LAW. PLEASE - THIS IS OUR AIR. AND WHY AFTER CITIZENS HAVE EXPLAINED THAT NOHILL DUNE IS SACRED AND VERY IMPORTANT TO NATIVE HAWAIIAN CULTURAL HERITAGE - THAT IT SHOULDN'T BE CONTAMINATED BY CHEMICALS OR POSSIBLE FIRES OR EXPLOSIONS DOES THE ARMY STILL ASSUME IT'S OK TO LAUNCH THERE. IF YOU WOULDN'T LAUNCH MISSILES IN THE GRAND CANYON, OR IN YOSEMITE, WHY LAUNCH MISSILES FROM NOHILL DUNE AT POUHAIKE - AN ENVIRONMENTAL NATIONAL TREASURE.

THIS PROJECT HAS ALSO TAUGHT US TO REALLY QUESTION BIG TICKET DEFENSE PROJECTS. AFTER REVIEWING THE REAMS OF MATERIAL CRITICAL OF STAR WARS, MANY OF US HAVE COME TO BELIEVE SDI TRULY STANDS FOR STUPID, DANGEROUS AND INSANE! THAT SPENDING 90 BILLION TO A TRILLION DOLLARS ON A PROJECT THAT FEW BELIEVE WILL WORK AND THAT MOST FEEL WILL ONLY ENRICH DEFENSE CONTRACTORS IS AN ATROCITY.
Responsible Citizens for Responsible Government

AND FINALLY FROM THE LEGACY OF RONGELAP, BIKINI AND ENEWETAK AND NOW STAR WARS WE HAVE LEARNED THAT WE CANNOT CONTINUE TO USE THE PACIFIC OCEAN AS A DUMPING GROUNDS FOR WEAPON SYSTEMS THAT HAVE BROUGHT US NO CLOSER TO OUR TRUE GOAL OF PEACE.

THE WORLD DOES NOT NEED MORE MISSILES FROM KAUAI - THE WORLD WOULD BE BETTER SERVED BY SHARING HER SPIRIT OF ALOHA. THE DEFINITION OF PACIFIC IS PEACEFUL. LET US LIVE UP TO OUR NAME. LET A TRULY PEACEFUL FUTURE BEGIN HERE TONIGHT ON KAUAI. LET THIS BE THE END OF CONFRONTATION - LET US BEGIN TO DISMANTLE THE TRILLION DOLLAR YEARLY BUSINESS IN ARMS SALES. LET KAUAI LEAD THE WAY INTO A TRULY PEACEFUL 21ST CENTURY.

SO COLONEL GUS, TELL YOUR DECISION MAKER THAT HE AND ALL OF YOU ARE ALWAYS WELCOME HERE ON KAUAI - BUT WHEN YOU COME - PLEASE LEAVE YOUR WEAPONS BEHIND.

MAHALO,
ELIZABETH FREEMAN

P.S. I AM SUBMITTING AS PART OF MY TESTIMONY THE VIDEO HOME ON THE RANGE FOR YOU TO VIEW.
us. The legacy of Rongelap, Bikini, Enewetak and Utrik remains a daily horror to us and a constant reminder that there can be no assurance of safety.

These people who are firing at us don't even know us. We are just a spot in the Pacific, a target. They know nothing of our customs, our traditions and our history. They show how this world is not the way we expected it to be. They have shown us the dollar and the value of our peoples health, safety and lives.

Please understand that we in the Marshall Islands are people who laugh and cry, who bleed and sweat, who have fears and joys and who love our children just as any other people of this planet. I am sure the people of Kauai would not appreciate having missiles from Kwajalein targeted for their homeland. I hope you can understand how we would not appreciate your lack of opposition to the STAR/EDX missile program.

[Signature]

Aloha, Gentlemen:

On behalf of the Kauai chapter of Hawaii's Sierra Club, we reject the Draft Environmental Impact Statement for the Strategic Target System dated February, 1992, as inadequate.

The reasons are many. We reject it entirely, and the program it explains, on the basis of principles:

1. The National Sierra Club opposes space-based weaponry, with specific mention given to 'Star Wars' programs.

2. I believe SDI programs fall outside the scope of the military's direct parameters, and within the governance of private industry. This is anathema to me. Our armed forces are made to function inadequately for the sake of private defense contractors' annual corporate profits.

3. Further, SDI, with its ever-changing definitions and goals, slithers about with no direction. The STAR/EDX program itself is designed to protect us, some day, against an enemy that no longer exists. (And if the U.S.S.R. still did exist, who's to say we'd politely follow the 'gentlemen's agreement of attack' and launch an ICBM covertly? Why not the warhead-in-a-drum venue mentioned by so many at the public hearing last month? See Chas Jetty's testimony, attached. I thought it was 'best of the show' for both sides.)

As to specific internal failings of the document in question, we submit these comments as reflecting a few of our many concerns:

Alternatives: Page 5-2 of the draft EIS encapsulates Sierra Club's position most succinctly: "Selection of the no action alternative would result in no significant impact on Kauai." We favor this choice, the 'no action' alternative, as providing the greatest military safety internationally, the most favorable choice for the internal functioning of our island/county/state, the least expensive and redundant, and most intelligent choice for a healthy functioning military. As I have previously pointed out, if this country can spend $561 billion on militarism for 1972 alone and still not protect us from already-vanquished enemies, adding STARS to the fleet won't help one bit.
Air Quality/Atmospheric Quality:

Air. I recall in reading the EA that all the mainland production and testing sites involved in this project failed to meet air/noise/water quality standards in one fashion or another. Only Kauai and Oahu were exempted from the air quality problems, because of our trade winds. I wish to point out to you that hazardous emissions don't vanish when they drift out to sea; consider the mysterious eye tumours of the sea turtles. These creatures are now starving to death because they can't see to find food. Those tumours don't just happen; they are caused. They are caused, somehow, by what we humans put in the air and in the sea.

Atmospheric Considerations. This is as good a place as any to stand up on my soapbox for a little while:

The question is, can we get smart enough, fast enough, to alter the legacy we've inherited from greedy and thoughtless ancestors who created the mess we're in? What are we giving to our young, the children, yours and mine?

If we keep at life the way we're going now, we'll simply give them the landfill and poisoned mayhem of a planet once thriving, soon defunct. It's our job to turn this pattern around, change it, make it right.

Human population is expected to double in the next forty years, to 11,000,000,000. Our resources are being depleted faster than they're being renewed - already. We're already in the red. What, please tell me, will it be like when our sons and daughters are of age?

Will our children sit inside except for morning and night because the life rays of our sun have become cancerously fatal to them? Will they shelter their children and sone, our grandchildren, from the legacy of greed and thoughtlessness you and I have passed on? We cannot do this to them. We have to change. You and I. Personally. Everyone one of us. Or it's all over.

We pass laws to limit the amount of freon dumped into the stratosphere because we've finally noticed that its membrane is rupturing.

Meanwhile, your program would continue to rupture that membrane, to protect us from the ghost of enemies past. I'm told that each launch would deposit the equivalent of 66 refrigerators' worth of freon directly into the stratosphere. This is like injecting heroin directly into the vein. How long can the living live, like this?

Biological Resources: The researchers from Moss Landing Marine Laboratory who spoke at the hearing (Tom Novis and others) encapsulated our concerns very well. I knew you're already onto this, Handy; I saw you taking notes while both of them spoke. I feel that your launches would occur too close to the birthing grounds of the endangered humpback whales, approximately 25% of whom now use the waters directly offshore from PMPF.

Cultural Resources: Nohili kane is sacred. It is an inappropriate place for war machiney. I refer you to the presentation of various members of Nohili Coalition, Kaleo Patterson's in particular. Please note, in your draft EIS, page 2-13: "The entire land area of NTF and PMPF could be considered archaeologically sensitive because of the cultural resources found within the installation."

Land Use: You have failed to consider the concerns of kanaka maoli in making your plans. I refer you to the presentations of citizen reviewer Kaleo Patterson's guests at the second citizen reviewer meeting, and to Ms. Davinsa Macgregor's verbal testimony at the public hearing. The land surrounding PMPF (indeed, the land underlying PMPF) belongs to the Hawaiian nation; Kekaha Sugar Company's lease will soon expire. You would be remiss to assume that land is yours for the overwhelming.

Additional Land Use Issues: Please refer to the excellent material submitted to you by Dr. Raymond Chuan, attached. Dr. Chuan puts out the hope you have to "attempt to notify the State of Hawaii when you stretch the base's boundaries, launch by launch, until they have actually changed in peoples' minds (see also the verbal testimony of Mr. Micco Godinez from the public hearing). Your attempts to colonize the state park and highway, and adjacent Hawaiian land, do not serve us well.

Public Health and Safety: On page 28-4 you mention (undes 'Noise') that off-base housing is eight miles away. Base housing is much closer - four miles? three? two? These houses are inhabited by people more directly at the risk of us in the event of catastrophic launch failure.

You will tell me that all 'errors' will fall within a 10,000' hazard arc; I will reply to you that the oil industry projected that a spill like the Valdez! (yes, you've heard this one from me before...). would occur once in 241 years. It only took seventeen.

Errors are human; they compound one another. One guy's not getting along with his wife; the wind is blowing wrong; the wrong computer program gets loaded; a submarine trips up an underground cable and accidentally shorts out a monitor; rust gets another one. A message gets garbled on somebody's machine; an almost-right part gets sent instead of the correct
I believe that lasting peace and prosperity in the world will never be achieved through military might or the threat of violence. The Arabs and Israelis have been at war for over 4,000 years. They used to throw rocks at each other - now they throw missiles. Nothing has changed. Violence only begets violence. Fear begets only fear. Fear and anger serves only to divide people and set them against each other. This is exactly what the arms manufacturers want. This is how they make their billions. This is how they take our money and steal our children's future from us. Deceit and lies keep us fearful and angry and divided, but they are only lies. We were told that the atom bomb would bring peace to the world. That was a lie. They say that Star Wars will make us safe. I believe this also is a lie. It won't stop a nuclear warhead hidden inside an imported car. It won't stop a nuclear warhead hidden inside a sailboat floating into Pearl Harbor. It won't stop Saddam Hussein. If Saddam Hussein wanted to detonate a nuclear device in the United States he could simply hide it in a 55 gallon steel drum, label it "oil" and let Exxon deliver it for him. Star Wars won't work against nuclear terrorists. It's like spending 30 billion dollars to have burglar bars installed on your home, and then leaving the back door open when you go out.
COMMENTS ON PROPOSED GRANT OF EASEMENT

April 11, 1992
Ray Chuan

1. Easement not related specifically to STARS program, or any program, for that matter. In the preamble, p. C.1, Appendix C of DEIS, the only reference to programs is contained in paragraphs 2 and 3 on that page; and refers only to "Department of Defense and other federal projects involved with the launching, tracking and collection of data associated with guided missiles, satellite and space vehicle research, development and evaluation and military training programs." One must conclude from this that the United States government intends to use the "easement" for any and all present and future programs, for an indefinite period, if the duration of the proposed "easement" is not yet specified by the United States.

2. Easement conveys to the United States control of State land use for the duration of the easement, an indefinite period. Paragraph 1 on p. C.2 of Appendix C prohibits the State from exercising any control of land use in the defined areas of state land, not just during periods of launch activities (as called for in the Memorandum of Agreement, Appendix B of DEIS), but for the entire duration of the easement grant, which is yet unspecified. This is a serious intrusion into the rights of the people of the State of Hawaii, through their state government and, specifically, the Department of Land and Natural Resources, to determine land use issues by established statutes and rules. While the closing of the subject areas during launch periods is covered by paragraph 2 of the proposed Grant of Easement, and is thereby limited in duration, paragraph 1 nevertheless takes away from the State the right to control the use of its land beyond just the few hours during a launch operation. The inclusion of paragraph 1 in the easement clearly shows that the United States government intends to expand its activities at PMRF, beyond those concerning which the DEIS has been prepared. The entire DEIS is therefore defective by virtue of the provisions of the proposed grant of easement.

3. No responsibility to notify the public of launches. Paragraph 7 of the proposed Grant of Easement states, "The United States will attempt to notify the State at least seven (?) calendar days prior to each scheduled launch requiring the exercise of the above rights." There is no commitment on the part of the U.S. to notify the public of the State of Hawaii.

QUESTIONS

One has to question the whole purpose behind this proposed Grant of Easement. This document was not introduced in the earlier Environmental Assessment nor the subsequent Supplemental EA; but only appears in the current draft EIS. It should be noted that the date on the draft Grant of Easement is 1/29/92. So presumably the military had second thoughts about how much control it needed over the state land adjacent to the present boundaries of PMRF. Is the Memorandum of Agreement even necessary if the Grant of Easement is signed by the State? How much money is involved in the Grant? What is the duration of the Grant? Without specific answers to these and probably other questions the lawyers can think of, one must ask what kind of secret agenda is behind this newly introduced concept of a broadly framed grant of easement which, if signed by the State of Hawaii, would give the United States carte blanche control over state land (including parts of a state park) without giving the public any accountability. Is this legal?

Can we get the SCLDF to look into this; and possibly include it in the ongoing suit? Are there other cases like this between the US and a state? Does this broad grant of state's rights open a new Pandora's Box? What can we do to get the issues aired? Any lawyers locally who may be interested in looking into this?
Mr. Randy Gellhorn
LTC. Col. Gus Huggins
USAAOC
P.O. Box 1500
Huntsville, Alabama 35807-3801

Re: Draft EIS for STARS

Aloha, Gentleman:

On behalf of the Kauai Group of Hawaii's Sierra Club, our Executive Committee rejects the "Draft Environmental Impact Statement for the Strategic Target System" dated February, 1992, as inadequate.

The reasons are many. We reject its entirety, and the program it supports, on the basis of these principles:

1. The National Sierra Club opposes space-based weaponry of all forms, with specific mention given to "Star Wars" programs.

2. I believe SDI programs fall outside the scope of the military's direct parameters, and within the governance of private industry. This is anathema to me. Our armed forces are made to function inadequately for the sake of private defense contractors' year-end corporate profits.

3. Further, SDI, with its ever-changing definitions and goals, eludes about with no direction. The STARS/SDI program itself is designed to protect us, some day, against an enemy who no longer exists. (And if the U.S.R.S. still did exist, who's to say they'd politely follow the "gentleman's agreement of attack" and launch an ICMPB or what? Why not the warhead-in-a-drone venue mentioned by so many at the public hearing last month? [See Chas Jetty's testimony, attached. I thought it was 'best of the show' for both nights.])

As to specific internal failings of the document in question, we submit these comments as reflecting a few of our many concerns:

April 13, 1992
Page two

ALTERNATIVES:

Page 22-2 of the draft EIS encapsulates Sierra Club's position most succinctly: "Selection of the no action alternate would result in no significant impact on Kauai." We favor this choice, the 'no action' alternative, as providing the greatest military safety internationally, the most favorable choice for the internal functioning of our island county, and, most intelligent choice for a healthy military. As I have previously pointed out, if this country can spend $561 billion on militarism for 1992 alone and still not protect us from already-vanquished enemies, adding STARS to the fleet won't help one bit.

AIR AND ATMOSPHERIC QUALITY:

Air: I recall in reading the Environmental Assessment that all the mainland production and testing sites involved in this project failed to meet air/noise/water quality standards in one fashion or another. Only Kauai and Kwajalein were free of the air quality problems, because of our trade winds. I wish to point out that hazardous emissions don't vanish when they drift out to sea. Consider the mysterious eye tumours of the sea turtle. These creatures are starving to death because they can't see to find food. Those tumours don't just happen; they are caused. They are caused, somehow, by what we humans put into the air and sea.

Atmospheric Considerations: This is as good a place as any to stand up on my soapbox for a little while.

The question is, can we get smart enough, fast enough, to alter the legacy we've inherited from greedy and thoughtless ancestors who created the mess we're in? What are we giving to our young, the children, yours and mine?

If we keep at it the way we're going now, we'll simply give them the landfill and poisoned wastelands of a planet once thriving, soon defunct. It's our job to turn this pattern around, change it, make it right.

Human population is expected to double in the next forty years, to 11,000,000,000. Our resources are being depleted faster than they're being renewed - already. We're already in the red. What, please tell me, will it be like when our sons and daughters are our ages?
April 13, 1992
Page three

Will they go outside only in the morning or at night because the light rays of our sun have become dangerously fatal to them? Will they shelter their daughters and sons, our descendants, from the legacy of greed and thoughtlessness you and I have passed on? We cannot do this to them. We have to change. You and I. Personally. Every one of us. Or it’s all over.

We pass laws to limit the amount of freon dumped into the stratosphere because we’ve finally noticed that its membrane is rupturing.

Meanwhile, your program would continue to rupture that membrane, to protect us from the ghost of enemies past. I’m told that each launch would deposit the equivalent of at least 66 refrigerators’ worth of freon directly into the stratosphere. This is like injecting heroin directly into the vein. How long can the living live, like this?

BIOLOGICAL RESOURCES:

The researchers from Moss Landing Marine Laboratory who spoke at the hearing, Tom Novis and Anne Joldis, encapsulated our concerns very well. (I know you’re already onto this, Randy. I saw you taking notes while both of them spoke.) We feel that your launches would occur too close to the birthing grounds of the endangered humpback whales, approximately 25% of whom now use the waters directly offshore from PHRF.

CULTURAL RESOURCES:

Mohili dunes is sacred. It is an inappropriate place for war machinery. I refer you to the verbal presentations of various members of Mohili Coalition, Rev. Kaleo Patterson in particular. Please note, in your draft NIS, page B3-3: "The entire land area of KTF and PHRF could be considered archaeologically sensitive because of the cultural resources found within the installation."

LAND USE:

You have failed to consider the concerns of kanaka maoli in making your plans. I refer you to the presentations of Rev. Patterson’s guests at the second citizen reviewer meeting, and to Ms. Davianna Magregor’s verbal testimony at the recent public hearing. The land surrounding PHRF (indeed, the land underlying PHRF) belongs to the Hawaiian nation; Keahua Sugar Company’s lease will soon expire. You would be remiss to assume that land is yours for the overwhelming.

ADDITIONAL LAND USE ISSUES:

Please refer to the excellent material submitted to you by Dr. Raymond Chuah, attached. Dr. Chuah points out that you hope to "attempt" to notify the State of Hawaii when you stretch the base’s boundaries, launch by launch, year after year. This would continue until those boundaries have actually changed in people’s minds (refer also to the verbal testimony of Mr. Nico Godines from the public hearing). Your attempts to domesticate the state park and highway, and adjacent Hawaiian land, do not serve us well.

PUBLIC HEALTH AND SAFETY:

On page B3-4 you mention (under 'Noise') that of-base housing is eight miles away. Base housing is much closer—four miles? three? two? These houses are inhabited by people more directly endangered than the rest of us in the event of catastrophic launch failure.

You will tell me that all 'errors' will fall within a 10,000 square yard area; I will reply to you that if the oil industry projected that a spill like the Valdez' (yes, you've heard this one from me before...) would occur once in 241 years. It took only seventeen.

Errors are human; they compound one another. One man may not be getting along with his wife; the wind is gusty; the wrong computer program gets loaded; a boat line drags an underwater cable, and accidentally short-circuits a monitor; rust gets another one. A message gets garbled on somebody’s phone; an almost-right part gets sent instead of the correct one. The storage tank gets built by somebody with a hangover.

Your fuel might be transported down our little highway (two of your four scenarios allow this). What about the drunk driver, the blowout of a passing vehicle’s tire?

These are the elements of disaster. They are never planned. Combine the infinite random variables with antique rockets and you have a disaster waiting to explode. Or else you still have a program designed to protect us against a former enemy.
April 13, 1992
Page five

INFRASTRUCTURE:

Your 'fire suppression system' is 1\textquoteleft\textquoteleft PVC water pipe. That's sure to put out an explosive fire.

SOCIOECONOMIC:

We reject utterly your notion that a catastrophic launch, or even a near failure, would not damage our economy. We are about 90\% dependent upon tourism for our livelihood. It's too high a percentage, but it's very real. I would like to point out to you that the Kauai Economic Development Board has just applied for more than $1,000,000 in grants to counteract the detrimental economic effects of national news coverage from our one-day flood in December, 1991. How many grants of a million dollars will it take to fix the effects of one rocket failure? Ten years' worth of sporadic access to state campgrounds? One mile gone inland by accident? Reduced tourism because of increased ozone depletion and skin cancer rates?

FINALLY:

There are two specific charts that concern me particularly in your draft EIS:

1. On page 2-5, your strategic target system launch vehicle comparison chart is invalid. It tells the truth as far as it goes, most likely, but it doesn't go far enough to tell the truth: Where is a comparison of the hazard areas for the missiles in question? How many of them are greater than Kauai's entire land mass?

2. On page 3-5, your hundred-year tsunami flood zone map, honestly depicted as 'not to scale,' has miraculously established that the dune/launch area is out of the tsunami zone. According to Kauai's Civil Defense, the entire Hanalei Plane is a tsunami zone.

Time moves along, on small scales and grand ones. Since your postmark deadline is barely two hours away, I must conclude these comments. I do so by beseeching you, in your positions of influence and authority, to join our struggle within the grand scale of time. We need your help to preserve this earth, for the life of the land, we thank you.

Kind regards,

[Signature]

Enclosures (2)
probably other questions the lawyers can think of, one must ask what kind of secret agenda is behind this newly introduced concept of a broadly framed grant of easement which, if signed by the State of Hawaii, would give the United States carte blanche control over state land (including parts of a state park) without giving the public any accountability. Is this legal?

Senator Inouye, 4/10/92

I do not want any portion of the S. De. In program on Kauai. It is inconceivable that a so called "civilized" population could participate in this program. I do not support military expenditures of this kind with my tax dollars.

Steven C. Stocker
Box 910
Kilauea, HI 96754
Dear Senator Inouye,

We do not want to have the Star Wars Program on Kauai. We are concerned not only about the unforeseen environmental impacts and more damage to the ozone layer, but also negative consequences for the tourist industry, our main source of income.

We ask you to use your influence to stop it and respect the fragile balance and ecology of this small island.

Mahalo,

Ann Matthews
P.O. Box 869
Kilauea, HI
96754

Senator Daniel Inouye

I would like to express my appreciation at your efforts at getting the environmental impact statement done. I didn't feel the EIS was done as thoroughly as I would have liked. It didn't include the possibilities of accidents either at the launch site or the public travel on the road, water or by air. I hope we believe STARKS would only damage some ferns and culture is abound.

I remember not too long ago the damage Hurricane Iniki did to our island and to our tourist economy. This was a natural disaster that took 10 years to recover from. I doubt we could ever recover from a man made disaster like the one STARKS could provide. The damage seems endless. Endangering our plant and animal life, endangering on a Hawaiian sacred site, jeopardizing our air, water and fishing, and more damage to our ozone layer. All these items are critical to our well being and to the tourist industry. I ask that you do not endanger my life or my families life and put an end to the STARKS program. Thank you.

Sienna Makauwai
April 9, 1992

The Honorable
Daniel K. Inouye
Senate Office Building
Washington, D.C.

Dear Senator Inouye:

"Star wars" should be scrapped, not only in Kansas, but everywhere.

It is unseemly, not to mention a democracy, to pour billions of dollars into a fuge dream while our entire country is in the throes of a deep recession and much of the continent is in want and need.

Respectfully,

Edward Makarewicz

[Signature]

April 8, 1992

The Honorable
Daniel Inouye
Washington, D.C.

Dear Sir:

The overwhelming majority of Kansans has spoken, in no uncertain terms:

No STAR WARS ON OUR FRAGILE ISLAND!

Respectfully,

Roman Makarewicz

[Signature]
of the effort has been concentrated off the west side of the island between Nobili Point and Kekaha, since my observations have indicated that this area has consistently had the greatest concentration of whales within my range. During the years 1989, 1990, and 1991, we collected 430 observations (identification photographs) of 376 different individual whales (Cerchio et al., 1991). I suspect that this represents only a fraction of the whales that used these waters for two reasons: 1) only a small percentage of individuals were sighted more than once each year (4% in 1989, 4% in 1990, and 12% in 1991) indicating a large population, and 2) we successfully identified approximately 60% of the whales we approached to photograph, we approached approximately 50% of all the whales we sighted, and we worked on only 30% to 60% of the days between mid-January and late-April depending on the season. This leads me to believe there were many more whales in the study area that were not identified than were identified throughout the seasons. I applied these data to mark-recapture models of population abundance estimation, using each year as a separate sample, in order to get an estimate of the number of whales that have used this breeding area over these three years. A Schnabel estimator of abundance model (Seber 1982), recommended for use with multiple years of mark-recapture data by Baker and Herman (1987), provided a population estimate of 3022 (95% C.I. +/- 1647) (Cerchio et al., 1991). Analysis of the 1992 photographic data is currently underway, and I suspect that this years sampling will add at least 200 more observations with similar sighting rates, and will serve to increase the precision of this estimate.

The sample of photographs from Kauai was also compared to the University of Hawaii catalogue of individual humpback whales from the Island of Hawaii in order to assess the movements of whales among the islands (Cerchio and Gabriele, 1990; Cerchio et al., 1991). From a total sample of 1089 different individuals photographed over 1989-91, only 40 individuals were sighted in both regions; furthermore, there was a statistically significant trend for individuals to be re-sighted on the same island which they were initially sighted (Cerchio et al., 1991). This indicates the possibility of partial segregation of the Hawaiian population among the islands, and stresses the importance of Kauai as a unique breeding habitat apart from the other islands. In 1991, an individual was sighted off Kauai (close to P.M.R.F.) that had been previously sighted in Japan in 1990 (Darling and Cerchio, in press). This represents the only observation of the movement of a humpback whale between Japan and Hawaii to date, and comes after an extensive comparison of photographs from Japan and the central and eastern North Pacific from 1975-1990, further indicating the uniqueness and importance of the Kauai breeding region.
Along with collecting identification photographs off Kauai, we also made visual observations of all sightings of humpback whales (both photographed and not photographed) throughout the seasons. All behavioral classes of whales that have been described in the literature have been observed off the P.M.R.F./K.T.F. These include mothers with calves, males engaged in acoustic courtship displays (song) and large competitive courtship groups, indicating that this region is an active breeding area. My personal observations over the four years indicate that the area off P.M.R.F. between Nohili Point and Kokole Point contains the greatest concentrations of whales within my range. This is best illustrated by data from 1991 and 1992, reported also by my associate Tom Norris. In 1991, of a total of 368 sightings of whales, 198 were sighted off P.M.R.F., and in 1992 (prior to 23 March, mid-season) 190 sightings were made off P.M.R.F. of a total of 276 sightings. In both these cases over 50% of the sightings were made in a region where less than 50% of the effort was concentrated. Sightings of mothers with calves seem to follow this same trend; of 22 sightings of mother-calf pairs in 1991 and 1992, 12 were sighted off P.M.R.F. It is also important to note that the population off Kauai is fluid and individuals are constantly moving around the island; I have on several occasions followed groups of whales into the P.M.R.F. region from as far as Poipu. These observations are supported by an aerial survey study conducted by Mobley and Bazer (1991), which indicated that the regions around Niulku, the west side of Kauai and the intervening channel showed some of the greatest concentrations of whales among the Hawaiian Islands.

I have also recorded the breeding songs of 141 humpback whales between 1989-91. I suspect that the efforts of Tom Norris and myself will add recordings from at least 50 more whales by the end of the 1992 season. Although I do not have the exact numbers available, many of these recordings were made off the P.M.R.F. area. From my observations, I believe that the region off the P.M.R.F. may represent a preferred zone for singing whales, which would be expected from the observations of high concentrations of reproductive activity. I have heard on many occasions what has been termed "chorusing," in which several singing whales spaced relatively closely can be heard at once. This behavior seems to be more prevalent off the west side of Kauai than in other parts of my range.

I believe that I have demonstrated that the coastal waters of Kauai and particularly the region off the P.M.R.F. on the west side of the island is critical and sensitive breeding habitat for humpback whales. I feel that the E.I.S. has both underestimated the abundance of whales in this region and the importance of this habitat. If the statement in section 4.4.4.3 of the E.I.S. concerning

Environmental Consequences and Mitigations, which claims that the presence of a whale will delay a launch, is taken seriously and held to, then I fully expect that there will be no launches during the months of January through April. I furthermore think that this should be the case, from the perspective of the population of endangered humpback whales. Consideration should also be given to other sensitive species that reside in the area year round and that are protected by the Marine Mammal Protection Act and/or the Endangered Species Act.

Finally, I support all statements and recommendations made by my research associate, Tom Norris, and I ask that you refer to his statement in conjunction with my own.

Literature Sighted


Dear Mr. Gallien,

I am writing in regards to the October meeting held in Kauai, Hawaii last March 92. I was informed that writing a letter by April 13, 92 (postmarked) would count as a vote at the meeting. If your vote is the only vote that counts in the end, please consider this in your representative decision making.

As a concerned citizen living in Hawaii, I should firstly state that I am against what I feel is a sacrilege to the Hawaiian people, as well as the sacred lifestyles of the indigenous people of the Marshall Islands.

Besides the obvious dangers of bombing near the innocent people of the Marshall Islands and their sacred homelands, the dangers this operation promises to Hawaiian citizens is catastrophic.

As for the SDI (Strategic Defense Initiative), a Rand Corporation report to Congress to get more money funded. On March 15, 1992, when SDI accidentally shot a missile to be intercepted by another missile coming from a different area. It failed to bring SDI to ensure this 'safe' image to the public.

although this image and the safety it insures are obviously false to fact. And are you aware that Polaris, Aries, and Zest missiles have all proven high failure rates with great danger to both the environment and humans. Perhaps more importantly, it is with these missiles that SDI proposes to shoot on an island only 350 square miles round, saturated with thousands of Hawaiian people and tourists? Even when it has been advised that the Aries missile needs 1,000 square miles surrounding it to be "safe". Please don't vote to allow a faulty missile blow that would make Hawaii the other experimental "Slum of the Pacific".

This is what SDI thinks is ok. to do to people like the Marshall Islands, now one of the most depressed, densely populated parts of the earth.

Thank you for your time. You may be our only hope if we are to believe in this system any longer.
We want to live without the rockets and glocks, the bombs burning to ash. Let there be peace on Earth, let it begin with me. I love you, I bless you, my peace I leave with you.

I want you to do the right thing. I think in perpetuity yours.

Peace. 

Theresa of Judas, 32 yrs.

Nikko, Berkwedel, 30 yrs.

Grandmother of Apache, 95 yrs.

Chen Kai, 8 yrs.

As Please read the Life magazine. Held the Earth.

Get Blesses the Alt.

Get Blesses the Alt.
Dear Sir:

I appreciate being able to read the Army's EIS for the Star project at Barking Sands on Kauai. I remain opposed to the Stars project for the following reasons:

1. Scientists who have worked for years on the program have publicly asserted (Common Cause, Newsweek, Honolulu Advertiser) that Stars is a "boondoggle," a fraud that, after billions of dollars of research, the project is only a computer simulation; that the project would - even if it were technically feasible and affordable, only produce spotty protection. On top of this, the Patriot missile has been cited as a success story that justifies continuing STARS testing and research. However, last week, national news stories revealed that the reliability and effectiveness of the Patriot was far, far less than originally assumed. The successes of the Stealth airplane were similarly discredited; there is no point in expanding the PMRF facilities to test a patent defense dream.

2. The nation does not have the money to waste. The cost of military spending in proportion to other national needs and the actual small security benefits derived from those expenses is an underlying cause of the disintegration of the Soviet Union. Our military dollars should be spent for well trained, well equipped, well paid combat and support troops.

3. Peace is costly. The dividend of peace is peace and, hopefully, new prosperity based on reallocation of defense dollars to education, health, housing, environment and infrastructure needs in the USA and worldwide. The cost of peace is jobs in the defense industry and that is a real and painful price. On Kauai, over 2000 people feel jeopardized by the possibility of the no STARS, though, apparently it is not their jobs which are jeopardized.
but the expansion of the base with additional jobs. However, in Los Angeles alone over the next 5 years, it is estimated that over 480,000 jobs will be lost because of peace. This is a dreadful high cost, but it is still a sound price to pay for the long term interest of the survival of our species and for the turnaround of our economy.

Please, my opposition to the STARs program has deepened over the last year because of the opinions of the scientists who have worked in the program and because of world events. I also have greater respect for the ARMY for the fair way you have conducted hearings on this issue and for your response to the public and Hawaii's leader's concerns. The ARMY has better things to do than to push ahead with STARs.

Aloha.

Beryl Bigler

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Dear Deputy Commander,

I am writing to you regarding the Strategic Target System program on Kauai.

After attending the public hearing and reviewing the EIS, it is clear to me that the EIS does not sufficiently address the impact of the STARs program. It is the opinion of myself, friends, and I feel that this program should not be allowed here. The cultural, economic, and environmental cannot sustain such an impact.

Therefore, please - no impact!

Thank you for your consideration.

Sincerely,

[Signature]

P.O. Box 1052
Lawai, Kauai HI 96735
9 April 1992

Dear Senator Inouye -

I am the mother of 3 young children. My husband and I moved here 10 years ago to raise our family in the best environment possible. Naturally we are concerned about the future of our lovely islands.

We do not support the Star Wars Program on Kauai - there are too many negative, perhaps disastrous, consequences which could arise from such a program.

We support the people at PNNL but NOT STAR WARS.

Please do what you can to prevent it! Sincerely with Aloha,

Richelle Frailey

RICHIE FRAILEY

4-9-92

TO D. K. Kalama:

I am opposed to any lasers planned for the island of Kauai.

Any accident could mean death or destruction for all of us on this beautiful island.

Instead, plan something for peace. We really do need peace - no more missiles.

Thank you.

Sincerely,

JOAN HUDSON

PO BOX 161

KEAULIHI, HI. 96751
Dear Deputy Commander:


I decided to address this comment to you after reading in the April 3, 1992 issue of the Honolulu Star-Bulletin that France has announced it will suspend its nuclear testing program and is urging other nations to follow suit. This is wonderful news!

The former Soviet Union, now the Commonwealth of Independent States, instituted a moratorium on testing last year with the end of the Cold War, where is the danger of a missile attack coming from? Any danger is more apt to come from terrorists who would not resort to missiles to fire nuclear or other explosives.

I am a missionary of the United Church of Christ, a Protestant church of 1.6 million members, and as presently stationed in Hawaii assigned to work on Pacific and Asian concerns. From 1978 to 1988 I served as a missionary in Asia. At the end of 1991 I completed a three-year term as the inter-secretary coordinator of the Pacific Ecumenical Forum, an ecumenical network consisting of the Christian Conference of Asia, the Pacific Conference of Churches and the Ecumenical Councils on the West Coast and Hawaii. During my work with the Pacific Ecumenical Forum I was privileged to travel to various Pacific Island nations and to meet many of their church leaders. I was one of the resource persons for the 10th Youth For Christ conference held in Majuro, Marshall Islands in June, 1991 and attended by almost five thousand youth, including a large delegation from Ebeye.

My major concern in your draft EIS statement is the cultural destruction that will affect both the Native Hawaiian and the Marshallese people. The Pacific Missile Range Facility in Barking Sands on Kauai is located on "St. Ceded lands," and the nearby Hawaiian Homelands in Kekaha are bound to be affected by the slightest testing mistake. Past testing in the Marshall Islands has been the major cause resulting in the close to 10,000 people now living in overcrowded conditions on Ebeye, an island the size of the Ala Moana Shopping Center.

You must include in the final EIS report the possible cultural impact the missile testing program will have on both the cultures of the Native Hawaiian people and the Marshallese, especially those living in Ebeye island. I have been informed that the EIS statement that was made available in a hearing on Ebeye was only in English and not available in the Marshallese language. Is this true? If so, how can you expect to have adequate response to the EIS process?

I am concerned about the effects of hydrogen chloride emissions on the environment of Kauai and the effect of the release of frown on ozone depletion. Since the atolls of the Marshall Islands and Kiribati are low-lying, even a one meter increase in height of the ocean will destroy a significant land area of these countries.

I urge you to follow "The No Action Alternative" of the program to launch the SDF or "Star Wars" vehicles from the Pacific Missile Range Facility on the island of Kauai, Hawaii to land in the vicinity of Kwajalein Atoll in the Marshall Islands. I am not in favor of closing down the Pacific Missile Range Facility on Kauai but urge you to consider a conversion of the facility to producing products of a peaceful nature.

Thank you!

Sincerely yours,

Ronald L. Fujita
Missionary
United Church Board for World Ministries
4/10/92

To whom it may concern:

As a resident of Kauai, as a citizen of the USA, I would like to voice my position with regard to PURF and Star Wars experimentation. I am FOR PURF. I am AGAINST Star Wars ballistic missile testing.

Sincerely,

Ray C. Bailey
Kilana, Hawaii

April 6, 1992

Dear Sen. Daniel Inouye and Mr. Rudy Gallion,

I am an history instructor working at Kauai Community College. I grew up on Kauai. PURF was seconded as long as I was and I know there have been efforts to protest the base or its projects. Until now, I was strongly opposed to the STARs missile launch program. I do not believe in the need for such a program, especially on Kauai. Please do not let this happen. It is dangerous and works against a peaceful community. Kauai should not support a force that will destroy the earth or its people. PURF as it stands is not a problem. STARs is.

Thank you for your time.

Sincerely,

[Signature]

Calvin M. Cherry
3508 Haapae Rd.
Kapa'a, HI 96782
April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

3. Nohin Dunes is a culturally significant area, inappropriate for use as a launching site.

4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebelo.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

[Signature]

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Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

To the Deputy Commander:

After reviewing the Draft E.I.S.,
I worry and wonder what couldn't
be considered to have no environmental
impact. I doubt the right words I suppose
you could write your way out of a nuclear
ground nuclear test.

If one in the community fail on the
dry sides of Kauai, who will put out
tires in hurricanes, or fires, and
storms? Please find a better
way to spend your time. Go talk to
the Ozone.

Name

Address

City/State/Zip

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EV-5 (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
April 6, 1992

To: HONORABLE SENATOR DANIEL INOUYE

MR. RANDY GALLIEN

As a concerned citizen of the island of Kaua'i, I would like to voice my opposition to the proposed use of Kaua'i as a missile launch site. Especially in view of the fact that the area in question has such cultural and spiritual importance to the native Hawaiian. Another item is the question of safety. If this is so safe and environmentally sound, then why is this system not tested on the mainland, which is a lot closer to the areas in which the materials would be manufactured and produced? Why are native peoples forced (through force) to be evicted from their ancestral lands and lifestyle? This seems so similar to the plight of the people of Bikini and the refusal of the United States follow through on their promises. In light of recent developments concerning the breakup of the Soviet Union, why is this system needed anyway? Hawai'i, and especially Kaua'i, does not want to be a dependent of the United States Military. The establishment of this program is a step toward military dependency. Not having the program doesn't mean jobs will not be available or people will be losing jobs. This is a fallacy that is being promoted by those who approve of experimenting with other peoples lives, culture, lifestyle, and land (as long as they themselves are not affected). Please help keep Kaua'i from becoming another Kaho'olawe.

MALAMA PONO,

DENNIS CHUN

2830A 6th Ave.
Lihue, Kaua'i, Hi.
96766

4/3/92

Dear Senator Inouye,

and Mr. Gallien,

The conflict over the STARs issue has been very painful for our community. Until now, PMRF has enjoyed a friendly relationship with its neighbors. This situation has brought some ugly feelings to the surface - based on fear, mistrust and anger which, I believe, has been purposely created and manipulated by those with economic interests as their hidden agenda. But this is not about money - it is about peace, sanity, our children, our environment and our spirits. Please find some other work for these folks to do which will contribute to the health and welfare of their community and protect our tiny island from the military weapons systems.

Thank you,

Hilary Mayall

A.Mayall, Box 142, Kilauea, Hi 96754
Dear Senator Inouye        4/2/92

I am asking you to please stop
the Star Wars project on Kauai.
PMRF has done fine without it.
The missiles are dangerous
to our environment - immediate
atmospheric.

Mahalo,

Jullita Jones

Jullita Jones
PO Box 735
Kilauea, HI
96754

Senator Daniel Inouye
and
Mr. Randy Gallin

I am a student at KCC and am
concerned about the STAR missiles being
launched from Kauai at PMRF.
I do not agree that it should
be launched from Kauai because of
how small our island is. The effect
of the missiles be being launched could
contaminate our island and destroy every-
thing at the same time.

So please stop the STAR missiles
from ever being experimented on this
island.

Thank you,

Marciana Garma
To whom it may concern:

I have lived in Helena, for nine and a half years, gaining my experience of the majestic and mystical wonder that is the beauty of this Pacific island. On my side of Kauai is the north gateway to the Hawaiian coast, and though by car, shoreline caves and polishing green on the other side of the earth, the missile base there is actually no farther from me than Kilauea. That the army wants to test these ancient, outdated rockets, that they will be blasting them off from a sacred place, then they will be shooting them off in my neighborhood, from this premier coastline reveals the minds of madmen.

The EIS conducted by the military could hardly be an objective piece of research, and in fact is so broadly speaking and generalized in its terms that it cannot be seriously considered as a foundation document for such life and death decisions as the placement, construction and firing of these antique weapons.

I am opposed to the star wars missile program at PRMF and feel the threat of loss of projects is obfuscation. That these launchees are being aimed at other islands whose people have been given no voice in the matter shames me for my country. It seems the military has no conscience, certainly not one I can trust.

Murphy's Law has a name for a reason; because things do go wrong. Remember the scene in "Body Heat" when the woman tells James Woods that even if you think of all the things that could happen, there will be 30 more you didn't think of? The army thinks it has thought of all the eventualities. Kauai residents have thought of a few possibilities too, yet the unmentionable ones lurk as well.

Add one more line. There must be no ROCKETS IN PARADISE.

Sincerely,

Elaine de Bruin
PO 138, Hanalei, HI 96714

April 7, 1992

Dear Senator Inouye and Mr. Gallien,

I am a long time resident of Kauai. It has come to mind that the STARS project, targeted to be tested on Kauai, is inappropriately placed. I object to the placement of STARS for several reasons.

First, the ground safety area of 10,000 square feet is inadequate compared to the 18,000 square mile ground safety area at Canaveral. I am not sure if 18,000 sq. miles is needed for this project, but it does strike me that the Aries missile did fling its burning debris three miles in different directions. Why then does this STARS missile which is a good five feet longer have the ground safety area of a small play ground?

Second, should the missile need to be aborted along its path, and near in destination to Nihoa Island or Kauai aerial, and its prevailing winds are North-Eastern, can you guarantee the safety of all lives near in proximity? I speak in reference to the hazardous emissions and chemicals hydrogen chloride and aluminum oxide.

Thirdly, I feel that the government is making a choice that involves risks with the lifestyle and health of Hawaii's people. I believe that this experimental tests encompasses not just the PRRMF base on Kauai, but also the surrounding lands and residents. Morally, if you are willing to take risks and it affects only you, then it is permissible. However, should you involve other human beings against their will, you are taking away the fundamental rights of citizens of the United States of America. This is a protection that cannot be violated, not even for national defense.

I do not assume that Strategic Defense Command will consider the feelings of the residents over matters of national defense. But I do depend on our elected government officials to relay these concerns to them and do your utmost to address these concerns yourself. We are relying on you to make this STARS program strategically safe for those not wishing to take these risks.

Thank you for your consideration on these vital matters.

Respectfully submitted,

Amy C. Nishihira

April 7, 1992

Dear Senator Inouye and Mr. Gallien,

I am a long time resident of Kauai. It has come to mind that the STARS project, targeted to be tested on Kauai, is inappropriately placed. I object to the placement of STARS for several reasons.

First, the ground safety area of 10,000 square feet is inadequate compared to the 18,000 square mile ground safety area at Canaveral. I am not sure if 18,000 sq. miles is needed for this project, but it does strike me that the Aries missile did fling its burning debris three miles in different directions. Why then does this STARS missile which is a good five feet longer have the ground safety area of a small play ground?

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Thank you for your consideration on these vital matters.

Respectfully submitted,

Amy C. Nishihira
4-7-92

To: Senator Daniel Inouye
    Mr. Randy Gallien

I am strongly against the STARS project being done here on Kauai. I've had to do a lot of research on STARS for an English paper, and with the evidence given I feel that STARS is a big risk and hazard to our island. Please don't put it here.

Julie Bigele
1691 Keleka Road
Koloa, HI 96756

To: Senator Daniel Inouye and
    Mr. Randy Gallien

I am strongly against the strategic Target Systems project on the island of Kauai. The STARS program is not necessary here. Our people are very concerned about the environment.

Sincerely,

Ferdinand Mariano
P.O. Box 932
Kekaha, HI 96752
To Senator Daniel Inouye & Mr. Randy Gallian,

I am totally against the STARs.

Although ET21 is a good program, the results of failure could be catastrophic for our island. I think that our heritage should be preserved and our economy protected by putting an end to the STARs program.

Sincerely,

Joe A. C. I.
Jess Carborei

P.O. Box 762
Kapaa, HI 96746

Senator Daniel Inouye
Washington, D.C.

ATTENTION: RANDY GALLIAN

As a resident of Kauai who voted, I am writing to voice my support for The Pacific Missile Firing Range facility and the people who work there. However, at the same time I STRONGLY OPOSE the “STAR” wars. I oppose the concept and I oppose spending any money at all on research or implementation of the project.

Our environment is in a precarious position. The economy is fragile. The educational system is failing in part due to lack of adequate funding. Why not spend our tax dollars on research and implementation of unique, innovative solutions to these real problems instead of on a system, equipment and materials that will hopefully never be used?

Kauai is a microcosm of the problems in the rest of the nation. Students are not receiving an adequate public school education and we are being overwhelmed with garbage, lack of recycling options, overfishing and water pollution, etc.

Changing spending priorities to the environment and education will not only put much needed dollars to work today but will also continue to have a positive impact in the future.

James Hoffer, PhD

Box 321
Kaneohe, Kauai
Hawaii, 96714

Date: April 6, 1992
To Senator Inouye & Mr. Gallien

I oppose the Star Wars Defense Program here on Kauai for environmental reasons.

However, I do support the Pacific Missile Range Facility in Kekaha.

Mehalo

Gary Zerille
PO Box 515
Kilauea, Kauai
96754
Senator Daniel Inouye
Washington, D.C.

ATTENTION: RANDY GALLIAN

As a resident of Kauai who votes, I am writing to state that I STRONGLY OPPOSE the "STAR" wars. I oppose the concept and I oppose spending any money at all on research or implemention of the project.

Our environment is in a precarious position. The economy is fragile. The educational system is failing in part due to lack of adequate funding. Why not spend our tax dollars on research and implementation of unique, innovative solutions to these real problems instead of on a system, equipment and materials that will hopefully never be used?

Kauai is a microcosm of the problems in the rest of the nation. Students are not receiving an adequate public school education and we are being overwhelmed with garbage, lack of recycling options, over-fishing and water pollution, etc.

Changing spending priorities to the environment and education will not only put much needed dollars to work today but will also continue to have a positive impact in the future.

Sharon Smockhoffmann, PhD
Box 3021
Managi, Kauai
Hawaii, 96794

Date: April 6, 1992

April 2, 1992

TL: Deputy Commander
U.S. Army Strategic Defense Command

Sen. Inouye

Having spoken at the "STARS" hearing in Lihue on March 25th, 1992, I also wanted to express my feelings in writing.

As a farmer on the North Shore of Kauai, I do not feel that launching of rockets from this island would be anything but harmful to the environment. While I support HWF, I cannot support the proposed program.

I am already beginning to question just how much damage to my crops is due to the irresponsible destruction of our precious eco-system. Will the farmers of the future be growing our food underground if we continue to destroy our environment?

Respectfully,

Chad J. Deal
North Country Farms
P.O. Box 723
Kilauea, Hi. 96754
I am against the Star Wars project on Kauai for the following reasons:

1) From the point of view of local politics:
   This small and beautiful island should be a place of aloha and peace
   like preparing for tomorrows, our main source of income.

2) From the point of view of environment:
   You get heavy fees for littering highways or trampy walks.
   And can be self-defining with the ozone layer, our life-protecting shield, and tramp
   with the fragile ecosystem of native and non
   sustainable communities. In Vietnam, they also took
   Agent Orange that was damaging effects in human
   beings, today we know that was not true.

3) From the point of view of democratic rules:
   These objectives can be studied by the interested party itself. Do we not outline
   of the EIS clear from the beginning?

4) From the point of view of economy and jobs:
   The main question is if this is an old one
   food can think of many more meaningful jobs
   created from all the billion tax money.
   Wouldn't it be channelled into life-preserving

5) Last but not least from the military strategic point
   of view:
   There is no such thing as a perfect defense system.
   We have reached a point in time, where not the
   military defends us against an enemy - they
   after the fall of the Iron Curtain is self-created
   by the export of billion-dollar-worth of armaments.
   Do we have to defend ourselves against the military
   machine that puts the country of resources in
   terms of material environment and human
   intelligence, directly needed elsewhere.
   I don't feel my life preserved by them but
   threatened.

We ask this vicious circle to be broken.

"Ingrid"

INGRID TILLMAN
PO BOX 818
KICAAU, HI 96754
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I oppose STARS WARS due to an inadequate EIS which made it evident a missile launch would devastate Hawaii.

Thank you.

Name: J. P. Riley
Address: Box 1458, Hana, HI

I do not feel that the Draft EIS adequately addresses some of the potential damage that could affect our tourist-dependent island economy.

This island is supposed to be a place for people to get away from the very type of activity. I also feel this particular program is a waste of taxpayers' money. We could be doing more valuable work at PMRF.

Name: Kathleen K. Pickett
Address: P.O. Box 630, Kula, HI 96754

Please hand this form in or mail by April 13, 1992 to Deputy Commander, U.S. Army Strategic Defense Command, Attention: CSSO-ENV (D.R. Callen), P.O. Box 1500, Huntsville, Alabama 35807-3801.
U.S. Army, Strategic Defense Command

April 7, 1992

Dear Sirs/Madam:

I am opposed to the Starship Program here on Kauai. I have included a verse of poetry to express my feelings on this matter.

"Oo la la, while we suck on those lies
Your blood soaked costume gonna light up the sky."

Sincerely,

Solitude La Fete

P.O. Box 1697

Haualei, HI 96714

---

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

To whom it may concern:

This letter is written out of respect and not hate for people.

April 7, 1992

Dear Sirs/Madam,

I am opposed to the Starship Program here on Kauai. I have included a verse of poetry to express my feelings on this matter.

"Oo la la, while we suck on those lies
Your blood soaked costume gonna light up the sky."

Sincerely,

Solitude La Fete

P.O. Box 1697

Haualei, HI 96714

---

Please hand this form in or mail by April 13, 1992 to Deputy Commander

U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.E. Gallem)
P.O. Box 1500

Huntsville, Alabama 35807-3801
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Yes, but no missiles.

Name: Dickie Lewis
Address: 2999 Kahe St, Hualoa, Kauai 96754

April 8, 1992

Dear Mr. Gallien,

I support the "No Action" alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

3. NoHo Dunes is a culturally significant area, inappropriate for use as a launching site.

4. I do not want my tax dollars to perpetrate human rights violations upon the people of Elveya.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify the misconception immediately so that each P.M.R.F. employee may make a conscious decision based on the true impact of the program, not under duress from fistulous threats.

Sincerely,

Michele Wubuli-Dam
Registered Voter
P.O. Box 138
Milnau, Hawaii 96754
April 6, 1992

Dear Mr. Gallien,

I support the "No Action" alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

3. Nohii Dunes is a culturally significant area, inappropriate for use as a launching site.

4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeve.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

[Signature]

1. We support PMRF, but it doesn't really make sense for all those missiles
   to be there, no sense wars!

2. Name: Cyndi Dr. Pa
   Address: 2900 Holste Rd, Kulahe, Kauai 96734

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3501
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I sincerely implore you, that you folks reconsider the least little by accident and its effects and even the "God Guaranteed" promise of no traumatic effect by some least expected "mistake", well actually just what will be the effect upon the state of Hawaii environmentally and socially.?? Please write me in reply so that the anxiety and fear and confusion many people feel they might soon be confronted with, if this S.T.S. program is actually to be initiated might "logically and Truthfully" be laid to rest. And now those fears at least after the meetings of discussion/debate are still at large. Within myself also.

Name: James Friend
Address: P.O. Box 7952

*URGENT: Please return this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1910
Huntsville, Alabama 35807-3801

Deborah & Frank
P.O. Box 1601
Hanalei, Hi 96714

4/7/92
To whom it may concern:

I am a resident of Hawaii since 1982 and am adamantly opposed to having Polaris rockets/missiles tested on our precious island. There are far too many negative aspects and possibilities that could have devastating results.

NO ROCKETS!!!
April 9/92

To Whom This May Concern,

I am writing this letter to let you know some of my feelings with regard to the STARS program. I do not support this program, however I do support PMRF. I feel this is a very dangerous program and should not be happening on Kauai. I do not feel that the people who work for PMRF should lose their jobs. I am sure there are other positive programs to which these people could be re-directed.

Sincerely,

Eleanor Darrell
Box 420
Hana, Hawaii 96714
Dear President Bush,

I am a Physician Assistant on Kauai and have dedicated myself to the health and wellbeing of all who live here. Having missiles launched from this small island seems directly in opposition to this goal. Please do what you can to support no missiles here. We are proud to have the Pacific Missile Range Facility here but do not feel missiles are appropriate. Let's please support the world park in Antarctica.

Yours truly,

Sally Jo Moore
Box 2713
Kauai, Hi 96740

Written Comment Sheet
Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

On March 24, I attended the hearings on the Draft EIS.

What a disappointment! I feel that the Draft fell so short of addressing the numerous charges that the STSS project can bring. Please look closely at these supportive letters of the supporters of this Draft: they are all employees of the base! We need you to understand that this little island was not and is not made for Missiles. Our island is financially supported by the tourist industry. Having missiles launched here, do you really think that people will still want to come here to spend their vacation? There is so many other places where they could go.

I urge you please to consider all our comments before making any further decision.

Sincerely,

Leanne Danielcourt

Name
6383 Makana Rd. Kapa'a - Hi 96746

Address

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD BN V (O.R. Gallican)
P.O. Box 1500
Huntsville, Alabama 35807-3801
Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

First of all, the Draft EIS feel very short of addressing the possible irreversible, immediate danger to plants, animals, and human life on Earth, not to mention the ozone layer of the planet. The presence of SM-300s on two islands could do irreparable damage to a very fragile ecosystem and damage the basic of our economy which is tourism. Maui is known as the Garden Island, not the missile island.

At the hearing, the opposition to SM-300s was far outnumbered those in favor by at least 3-1. Those in favor are afraid of losing a job. Those against are afraid of losing a precious treasure.

Name: PATRIC MCDONALD
Address: 6383 MAKANA KAPAA HI 96746

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallieni)
P.O. Box 1300
Huntsville, Alabama 35807-3801

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I oppose the STARS program on Kauai. These islands are too small and fragile to accommodate a missile range that could have a chance of endangering the environment... Even if the EIS concludes that STARS can be safe - there is always a possibility of an accident and Kauai can not afford even a small accident.

I propose the STARS program anywhere - we have enough money going to defense and I propose this money go into feeding and sheltering our starving and homeless children and for AIDS research that helps humans.

Name: T. SEGO
Address: 6383 Makana Kapaa HI 96746 CARE
Dear Sen. Inouye & Mr. Hillin,

My husband, daughter and myself live in the island of Kauai. I have been to the
change in the island and wish to speak my truth as well. I strongly
oppose the STARwars program on this island. I feel
that the people who live on this remote
island have the right not to change, as a democracy
whether we want such a program to exist or not. I support STARwars and
am sure that this issue

This has torn our community apart so that the workers
at STARwars must be fearful of their positions due to
the STARwars program.

I am grateful for the island
hand to see the open forum
of public interaction with
the government that was
created in response to
this urgent situation.

Thank you,

Michelle O’Hearn
1324 Kuhio Hwy
Kapaa HI 96746
Senator Inouye & Mr. Gallivan:

April 6, 1992

Mr. Gallivan,

Iemand who ever I am not for Star Wars program on Kauai Island, but for PMRF. Because of possible accidents, why cannot you test on ships at sea or on small deserted Island. This is a sacred Island. Please test your missiles at sea away from our citizens danger. On a beach?

Maybe. I've seen some missiles explode shower down over the sea. I would not want that anyone careless about fellow humans. Standing up Royal O'Kahanui Waianae, Kauai "I Geggs"
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Mr. Henry Cooper
Strategic Defense Initiative

Dear Mr. Cooper,

4.2.92

it is a pity that you were not present at the hearings on the Draft EIS, not only to answer our questions but also to feel what was really happening - a vital experience that you won't be able to have just by reading our words from your desk.

Seeing all these hundreds of comments, you are probably making lists of FOR and AGAINST.

But it is not as simple as that. I was there both evenings, and I saw something very frightening: if you could look closer at the letters supporting STARS, you would find something in common - they were all written by people who have direct or indirect ties to the PMRF. They were all written out of fear: it was not necessarily approval of the STARS program but fear of losing their jobs or losing some lucrative business related to this project.

On the other side - the whole rest of the island. Not only all the residents who love Kauai for what it is, and want to protect their precious Garden Island, but also all the visitors who keep dreaming of returning here to enjoy the peace and the magnificent manifestation of Nature that Kauai offers. Each one of the project had his/her special reason for their disapproval, but we all have one special point in common, and that is the willingness to save the spirit and the essence of Kauai, too precious to be threatened by this project.

Mr. Cooper, you must be looking at Kauai as a good located site for launching missiles. Please think that it is our beautiful GARDEN INLAND, a place of peace and magic, of nature expressing itself in all its magnificence, and we, the absolute majority, want to keep it so, without your Strategic Target System. Mahalo.

[Signature]

Lillian de Mello
6381 Makana Road
Kapa'a - HI 96746

---

North Country Farms
P.O. Box 723
Kilauea, Kauai, HI 96754

April 2, 1992

To: Senator Inouye
and
Deputy Commander
U.S. Army Strategic Defense
W.R. Gallien

Dear Sirs:

As a mother and Businesswoman on Kauai's North Shore, I must express my strong feelings on the current "STARS" issue.

I surely support my fellow islanders working so hard at PMRF, but I am unable to do the same for the proposed rocket launches from that site.

I am not convinced, even after reading the EIS, that these launches would have no effect on our environment.

I am not convinced that this "defense" system is needed at all.

I am not convinced that the Hawaiian lands aren't in danger of being further infringed upon.

I am convinced that Kauai is one of the most beautiful and unpolluted places on this planet, and for this reason we have chosen to move here and raise our precious family. We do not want or need your program on Kauai.

Mahalo for hearing us.

Sincerely,

[Signature]

Lee Rosseri
Dear Honorable Senator Inouye and Mr. Randy Gallion,

Please include me as one of many concerned citizens who objects to the proposed STARS project. I believe that the purposes of the project, including the economic argument in terms of jobs for PNR employees, can never justify the detrimental effects that the project may have on our environment.

I humbly urge you to voice our objections and concerns.

Sincerely Yours,

Bernice Hirakuba

1761 Haena Rd.
Kapaa, HI 96746
MEMORANDUM

TO: Senator Daniel K. Inouye
Commander D. Randy Gallien

SUBJECT: Strategic Target System (STARS) on Kauai

The STARS project at Pacific Missile Range Facility (PMRF) at Kauai must be stopped. Please do everything you can to stop the project.

This is a personal statement, but I know that hundreds -- in fact, thousands -- of residents on Kauai oppose the project, but they are not taking the opportunity to express their opposition because they believe that the issue has been decided, and that the hearings, public pronouncements, letter writings, telephoning, etc. are all exercises in futility.

I hope that they are wrong because at issue here is the future of Kauai. The STARS launches will affect the land and the people, Kauai's best resources -- the resources on which the economy of the island depends.

First, the amount of freon that the STARS launches will generate into the atmosphere will deplete the ozone layer, thus endangering plant and animal life, particularly human life. Second, Hawaiian Home Lands, including archaeological sites, will be affected to the point of desecration. Third, the STARS project will have an emotional and psychological impact on the people of Kauai.

Opposition to the STARS launches and fear of potential hazards and potential mishaps will not go away, and Kauai will have a resentful population, not a people with aloha.

Please do the right thing: Stop the STARS project at PMRF to ensure the preservation of the Garden Island, which 51,600+ people call "home."

Sincerely,

Catherine Lo

Catherine Lo
April 8, 1992

Dear Senator Daniel Inouye,

I support the ‘No Action’ alternative on the Draft E.I.S. of the U. S. Army concerning the testing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on the ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbons, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

3. Nohii Dunes is a culturally significant area, inappropriate for use as a launching site.

4. I do not want my tax dollars to perpetuate human rights violations upon the people of Eleele.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from blatant threats.

Sincerely,

Pamela J. Nelson
P.O. Box 238
Ha'ena 96718
I feel convinced that democracy will send a clear message. No missiles on Kauai.

Thanks,
Jim Stoh
P.O. Box 959
Kilauea, HI 96754
Dear Senator Inouye and Mr. Gallien,

At a time in our nation's history when we are at peace and with an all-time economy, I would like to see as many anti-peace programs such as STARS cut from the budget as possible.

Instead, let's promote programs which heal instead of destroying our environment for future generations. The earth is a small place with fragile ecosystems.

Sincerely,

Glenn Katahara
Dear Senator Inouye,

Although I have only lived on Kauai for two years, the STAR WARS issue is important to me and I would like to include my opinion. I am against using this beautiful island for a launch site. I would like to see the military resources, which as you know are vast, channeled into areas where much is needed, both in finances and manpower. Some of these areas are education, and cleaning up the environment. We must all learn to work together, getting along, and improving our way of life. Thank you.

Sincerely,  
Alfred J. Petrich 

ALFRED J. PETRICH  
P.O. BOX 78  
A.H. HOUSE, HANNOVER, 96723
TO WHOM MAY CONCERN,
I support PMRF
NOT STAR WARS

Sincerely,
Nicole A. Bailey
P.O. Box 738
Kailua, HI 96734
(808) 824-1357

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I concur with U.S. Representative Patsy Mink's assessment and feel that many valid points were raised in her testimony. Among them the summer dismissal of many issues as "small risk", "indirect", "all precautions will be taken" and "impossible". The impacts anticipated and "very little hazard". Such comments beg a questionable explanation and do not alleviate my concerns. Little attention has been paid to alternative action or alternative plans implying that it is the Army's way or the "no action alternative". We are left with an all or nothing proposition.

The land upon which PMRF rests is not one that should be sculptured or defaced in the name of national security. We should not fumble with the delicate social and spiritual fabric of the community, and we have weighed very sincerely the potential outcomes.

Name: Gerald M. Hirata
Address: P.O. Box 566

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callen)
P.O. Box 1500
Huntsville, Alabama 35807-3801
to Wilson at Way Incon

I support your idea but I don't support the way

Yours sincerely

Respectfully with

P.O. Box 967
Kapaun, Kansas 66701
(608) 826 6066

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The EIS bears unanswered questions and invites further public comment.

1. What are the most important environmental considerations?

2. What are the potential impacts of the proposed system?

3. What are the benefits of the proposed system?

4. What are the drawbacks of the proposed system?

5. What are the alternatives to the proposed system?

6. What are the implications of the proposed system for the community?

7. What are the implications of the proposed system for the environment?

8. What are the implications of the proposed system for the economy?

9. What are the implications of the proposed system for the quality of life?

10. What are the implications of the proposed system for the future?

Name: Marilyn Axtell
Address: 811 N. 36th St.

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
that is even more vital...this means food, employment and ecological security. I call this concept 'living security.'

I pray you are a man of vision...a vision that sees less in the world pursued by destructive means rather than by non-destructive means. Thank you.

Martin Luther King

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I attended the public hearing on the Strategic System...to the proceedings. I am deeply concerned about the danger to the health and safety of the population in general. I am also concerned about the potential for the development of the program.

The SDI does not, indeed cannot, address the interlocutors that constitute it. It is based on the theory of deterrence. It is a system of defense for the defense of defense. It is a system of security for the security of defense. I am deeply concerned about the development of the program.

Have you personally ever experienced this particular piece of real estate? If so, then it is beautiful. Have you ever been to a beautiful place? Have you ever experienced the beauty of the place? Have you ever seen the beauty of the world?

The SDI project is ultimately detrimental in some way. Have you seen the beauty of the world? Have you ever seen the beauty of the world?

Can you relate to this description? Dr. Martin Luther King, Jr...a great military man...a great humanitarian...when he said the following: "Every man that is safe, every woman...". Of course, every rocket fired signifies a threat from those who have...". Of course, every rocket fired signifies a threat from those who have...". Cast no doubt on the beneficence of the system. It is not spending money alone. It is spending the world on its behalf. We cannot express the total cost of the solution.

In very recent times, very little...much of the SDI Label Feeds...the SDI project...it is vital that we redefine global security...security on this planet and our concern for too long, it is security for people.

Name: Michael J. Butts
Address: 4420 Pulaski St., Marse, VR 16763

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSB-ENV B (D.R. Calhoun)
P.O. Box 1350
Huntsville, Alabama 35802-3801
TO DR. GALLIEN:

I am opposed to any new
launches planned for the island
of Kauai.

Any accident could turn into
a disaster. Our environment is
at stake.

We don't need this here.

Thank you.

Sincerely,

Francisco Sandoval

FRANCISCO SANDOVAL

P.O. BOX 52
HANAMAU, HI
96715

4-10-92

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
PO Box 1500
Huntsville, AL 35807-3801

RE: SDI Launches on the Island of Kauai

Dear Sirs:

13 April 1992

This is to formally OPPOSE the launching of missiles, rockets, or other weapons
that are related to the Strategic Defense Initiative (SDI) proposed for the island of
Kauai.

The DEIS filed by your organization is clearly lacking in its assessment(s),
specifically those relating to safety. This includes safety of the island population,
marine resources, and economic health.

We are in support of the Pacific Missile Range Facility, but not if it will require
involvement in the SDI program to survive.

As I prepare to send in my tax dollars, I find it difficult to feel good about where
the money will be spent. We can spend billions on defense, much of it wasted,
yet we cannot repair our environment or provide a roof over the head of all of
our citizens. And if I were to conduct my business in the same manner as that of
the Federal government, I would be bankrupt, disgraced before my peers, and
quite possibly thrown in jail.

The SDI project does not make sense for our civilization and its deteriorating
environment. The SDI project will only be fruitful for a few defense contractors,
the Dept. of Defense budget, and some high ranking politicians.

Much like the French have finally given in to protests of its nuclear testing in the
Pacific, the U.S. Army will eventually cave in to protests of SDI on Kauai. Our
numbers are small, but we are an intelligent populace who will be persistent in
its opposition to Star Wars.

Thank you for your consideration on this matter.

Respectfully Submitted,

Patrick L. Durkin
Safety Educator & Consultant
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

This Project Must Be Stopped!

When reading this part, I protest any further appropriations or development of the Strategic Target System for the island of Kauai.

Continuing these military efforts destabilizes the civilian community, creates a logistical (that physical) safety and security in the waters of the people and only does irreparable damage to the people. This frequent it occurs. Please stop.

Name: Lawrence A. Fuentes
Address: 2901 Sunny Lane, San Antonio, TX 78229

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallen)
P.O. Box 1300
Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

with the demise of the USSR, MAD (Mutual Assured Destruction) is no longer needed. It only serves as a part of our national defense.

An adequate defense against a threat coming from an international power can be achieved via a number of satellite-delivered, ground-based ICBM's (intercontinental ballistic missiles). We must increase our defense and extremely accurate, defense capabilities. This money should not be spent on an endeavor that will only result in increased security for America and other developed countries. (It is alleged) a growing multinational effort to deal with society through a wide variety of \phantom{2} 1

approach the world's growing population growth and to \phantom{2} 2

spread programs aimed at helping underdeveloped countries. (It is alleged) a growing multinational effort to deal with society through a wide variety of approaches the world's growing population growth and to spread programs aimed at helping underdeveloped countries. (It is alleged) a growing multinational effort to deal with society through a wide variety of approaches the world's growing population growth and to spread programs aimed at helping underdeveloped countries. (It is alleged) a growing multinational effort to deal with society through a wide variety of approaches the world's growing population growth and to spread programs aimed at helping underdeveloped countries. (It is alleged) a growing multinational effort to deal with society through a wide variety of approaches the world's growing population growth and to spread programs aimed at helping underdeveloped countries. (It is alleged) a growing multinational effort to deal with society through a wide variety of approaches the world's growing population growth and to spread programs aimed at helping underdeveloped countries.

Name: GARES, L. F.
Address: 5730 Kakehi Rd., Honolulu, HI 96819
CribPDF - www.fastio.com
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I do not want this system located on Kauai or anywhere else. Let's find an alternative to nuclear-energy period. And let's find alternatives to violence, too.

— F. Scott Fitzgerald

Name: Banyana Shee
Address: 907, P.O. Box 607

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callahan)
P.O. Box 1500
Huntsville, Alabama 35807-3801
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please, don't come and shoot missiles on Kumu, Kauai and the Marshal Islands. We're the missiles would be hitting are very special places to many people. Please think about what I'm saying.

This land doesn't belong to my son, he's serving it from our children.

I want to keep Kauai in unique, grow up fast. It's keep it that way.

How up! Terence Kanaka (11 years old)

Name

Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSDF EN V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Our study site extends from Malheur Pt. to Malheur Bay. From 1991-1992, our data set 641 picking of whales over the area. 31/38 of the men were in the area. Even though we spent almost 50% of our time away from the area. In other words, there is a good concentration of whales in the stated impact area. Essentially it is the Army maintains its proposed mitigation to delay necessary

Ms. Okawa is 11. I work with Clyde Clark, an international ecotourism research group. I am probably an have working in affiliation with the La Perle Club, which you know. Some of the data from this project was provided earlier today. I'd like to take the opportunity to point out some inferences of some of the data that is not in the EIS statement regarding endangered marine mammal species. An important item that has not been addressed is the lack of any mention of potential effects on harbor seals. Recent research has demonstrated that harbor seals are extremely susceptible to human-related disturbance. Since the parks prefer very near they're shallow water, usually less then 10 feet deep, it would seem very likely that disturbance related to sonar and regularly impact the animals. Our research centers on sightings of the park will consist of our data showing that 82/3 of 303 parks might have been in the PMSF area. Examples of impact include effects from boat activity relative to claiming the safety zone and transport of boats related to areas via boats for surfing. A study from it's hard areas, I have concern about the lack of services on the part of the Ministry of regard to federal laws and regulations needing marine mammals.
When wheels are ignited, and I quote from Section 400.13 of the EIS, "Prior to launch, the US Navy will survey the 1st stage impact area and the launch safety zone. Any vehicle or debris space covered in these areas will cause the launch to be delayed." This means that there would be no launches per month of Dec - April.

CRITIQUE

DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM

(FEBRUARY 1992)

Presented by
The Nohili Coalition
(April 1992)

Aboriginal Native Hawaiian Association
Hui Holomalu i Ka `Aina
Ulul Noho Kai O Anahola
Ka Laulii Hawai‘i - Kaua‘i
E Makala Kākou
Protect Kahului O‘hana
Pele Defense Fund
Ka ‘Ohana O Kālāe
and
Independent Kaua‘i and Ni‘ihau Hawaiians

Nohili Coalition Critique of STARS draft EIS / 1
Summary

As drafted, the Environmental Impact Statement for the Strategic Target System (STARS) prepared by the U.S. Army Strategic Defense Command does not conform to the National Environmental Protection Act. There are numerous deficiencies, particularly with regard to the impact upon Native Hawaiian subsistence, cultural, and religious customs, beliefs, and practices and ancestral land base, as identified below. It is our contention that a new draft must be prepared for public review and comment as this statement is grossly inadequate. We also contend that the reports which form the basis for the conclusions reached in the document should be made available for public scrutiny. In particular, our group would like to receive copies of the cultural resources report written by Flores and Kaohi.

(1) Native Hawaiian Rights

A special briefing was provided to the drafters of the EIS on the potential impact of STARS upon Native Hawaiian cultural, subsistence, and religious customs, beliefs, and practices and upon sovereign Hawaiian claims to the ceded public lands and Hawaiian Home lands in Kaka'ako. None of the concerns identified and described in that briefing are addressed in the draft EIS, except to be listed in the summary of major issues. We remind you that NEPA policy states that a responsibility of the Federal Government to "preserve important historic, cultural, and natural aspects of our national heritage, and maintain, whenever possible, an environment which supports diversity and variety of individual choice." (42:4331(b)(4). The draft EIS is severely deficient in assessing the impact of the proposed project upon Native Hawaiian cultural customs, beliefs, and practices in the Kuhio pua'a of Waimoa, Kaua'i.

In order to protect the indigenous Hawaiian culture for future generations, the Hawaii State Constitution and the Hawaii Revised Statutes reaffirm the state's responsibility to protect Hawaiian rights. Infringements upon these rights are illegal. The following are applicable sections of the law.

Article XII of the Hawaii State Constitution deals with Hawaiian Affairs. Section 7 states,

The State reaffirms and shall protect all rights, customarily and traditionally exercised for subsistence, cultural and religious purposes and possessed by Hawaiians who are descendants of native Hawaiians who inhabited the Hawaiian Islands prior to 1778, subject to the right of the State to regulate such rights."

The Hawaii Revised Statutes, Chapter 7-1 defines rights of the people which were established in 1850 when Kuleana Act granted private property parcels to the common people. It reads as follows:

Nobili Coalition Critique of STARS draft EIS / 2

Where the landlords have obtained, or may hereafter obtain, allodial titles to their lands, the people on each of their lands shall not be deprived of the right to take firewood, house-timber, alo, cord, thatch, or ki leaves, from the land on which they live, for their own private use, but they shall not have the right to take such articles for profit. The people shall also have a right to drinking water and running water, and the right of way. The springs of water, running water, and roads shall be free to all, and on all lands granted in Fee Simple; provided that this shall not be applicable to wells and watercourses, which individuals have made for their own use.

Chapter 174C - 101 of the Hawaii Revised Statutes deals with conservation and resources. Part (c) reads as follows:

(1) Traditional and customary rights of abupua'a tenants who are descendants of native Hawaiians who inhabited the Hawaiian Islands prior to 1778 shall not be abridged or denied by this chapter. Such traditional and customary rights shall include, but not be limited to, the cultivation or propagation of taro on one's own kuleana and the gathering of hibahili, opae, o'opu, lihau, thatch, alo, cord, and medicinal plants for subsistence, cultural and religious purposes.

(2) Water Resources

The EIS, as drafted, fails to indicate how much water will be consumed for the operation of STARS; if larger water lines will be required; where the water will come from; who owns the rights to that water; and to assess the impact upon Hawaiian appurtenant rights. The source of the water would be the Kokua, Kaka'ako and Waimoa ditch systems which are located on Hawaiian Home Lands and ceded public lands. Increased use of the water would negatively impact Native Hawaiian utilization of the water for settlement on Hawaiian Home Lands and upon utilization of the ceded public lands. The Hawaii Water Plan states that the Kaka'ako aquifer is sensitive to overpumping and that it is currently overpumped. The State Commission on Water Resource Management recently contracted a study of water shortages in the Kaka'ako area. However, the study is limited in scope, and no action is being contemplated to relieve the stress influenced on the aquifer by overpumping. Increased use of water by PMRF for STARS would exacerbate the overpumping of the aquifer.

The report is also deficient in assessing the impact of drainage of water utilized in the project on the dunes and upon the offshore ocean.

(3) Native Plant Species

A. The impact statement fails to note the presence of species of the following native plants: a'ali'i, alea, 'akakai, 'akoko, 'akulikuli, hi'a, hinahihi kahakai, hina kai, hiilina, kaana'a, 'uma 'akai, naupaka, pohipihi, pohuehue, and pu'a o lili'aha. It only mentions the presence of piapoa moa (adder's tongue) and ohiai. While these plants are not on the
In the Caribbean, the U.S. Navy does not bomb Culebra during the nesting season of the locally endangered species of turtle. Perhaps no launches should be scheduled from April through September/November to avoid negative impacts on subsistence fishing and gathering and upon the life cycles of the green sea turtle and Newell’s Shearwater.

The draft report acknowledges that the drainage canals on PMRF are potentially important waterbird habitats, that the Mana base pond adjacent to PMRF is also a wildlife/bird sanctuary, and that the Kawaihe Wildlife Sanctuary is located about 4 miles south of the launch facility. It asserts that these areas would not be affected by construction or launch activities. However, no authoritative source or study is cited to support this assertion.

5. Native Hawaiian Subsistence Fishing

The executive order which designated the lands for use by the military guaranteed that access to the shore for the purpose of fishing would be guaranteed, except on portions used for bombing and that only while the activities are actually in progress or about to commence. In Kekaha-Walama, 90 percent of the local Hawaiian community fish off of PMRF from April to September. The ocean is too rough to fish from October through March. This natural cycle affords an seasonal abundance of fish in pristine waters. It is likely that the prime time for fishing from April to September will coincide with the prime time for missile launches. If the majority of the 56 days of closure fall within April to September the impact will be substantial and very significant. Access to the shore would be prohibited during the ideal time for fishing, effectively denying access for fishing. If subsistence fishing is disrupted, the lifestyle of 90 percent of the local Hawaiians who fish off of PMRF will be negatively impacted. This will precipitate a chain of negative impacts experienced for the families and community of Kekaha-Walama. The ‘ohana system of exchange and sharing of foods caught and gathered would be disrupted. The diet of the families will worsen. The standard of living will be negatively impacted by the increased cost of purchasing food, due to the lack of fish, seaweed, and other marine foods which are part of the regular diet from April through September. The inability to fish and gather marine foods regularly relied upon may impair the ability of the ‘ohana (extended family) to celebrate life cycle events - baby lu’au, weddings or birthdays.

6. Impacts Upon Cultural Sites and Use Areas

The draft EIS is not in compliance with the National Historic Preservation Act, particularly since no enumeration of the sites in the project area was made. Under the National Historic Preservation Act, the U.S. Navy is required to nominate eligible sites to the National Register of Historic Places. In addition, the U.S. Navy should be required to develop a cultural resource management plan to assure that Native Hawaiian use if the historic and cultural sites are assured and that uses in the area would not negatively impact the historic and cultural sites and use areas.
The study refers to a report written by Flores and Koheh but it was not appended to the copy that was made available to the public. Without the report, we cannot determine if the study was complete. The EIS only addressed the impact upon sites in the area where the launch pads and support facilities are to be constructed. The EIS should address the impact upon sites in the Blast Zone as well. No map of the sites in the entire project area, including the Blast Zone was provided. The public is unable to determine if the report is accurate with regard to the location of all known sites and to the nature and extent of potential impacts upon those sites.

Each of the historic and cultural sites that are identified in the EIS and the reports which were used as the basis of the EIS should be nominated to the National Register of Historic Places.

In addition to the impact upon particular sites, the National Historic Preservation Act requires that the report must assess the impact upon cultural use areas such as the place known as leina-ka-uhane, areas utilized for fishing, and gathering, as areas known for experiencing ho'ailona (signs in natural phenomena) such as the mirage phenomena of Limahau that Mana is famous for. The sacred nature of the area known as leina-ka-uhane is acknowledged in the EIS.

Trails in the site must be identified and protected. Hawaiian state laws required that traditional trails be maintained and access along those trails be provided.

The EIS states that, “PMRF is located within an archaeologically and ethnographically sensitive area of Kaua'i.” The EIS also acknowledges the fact that the dunes in the area are known to have pre-contact Hawaiian burials and is classified by the county as a special treatment district.

Kama'aina witnesses can verify that the area is also important for subsistence fishing and that there are fishing spots on the land related to fishing grounds in the ocean. In light of this, we believe that the area encompassing the dunes, including the shoreline and offshore areas utilized for subsistence should be protected and as a historic district on the National Register of Historic Sites.

Native Hawaiians should also be afforded access to the historic and cultural sites and use areas under terms of the American Indian Religious Freedom Act. This is not addressed at all by the draft EIS.

(7) Burials Treatment Plan is Required

The Hawai'i Revised Statutes, Chapter 6E defines how prehistoric burial sites must be treated. Under the law, before a proposed project which may affect unmarked prehistoric or historic Hawaiian burials commences, the Department of Land and Natural Resources (DLNR) must be notified, allowed to review, comment and concur. This includes development of a burial treatment plan that must be approved by the appropriate island burial council. After referral, the council shall have 30 days to make a determination whether to approve the burial treatment plan. The draft report acknowledges that the State of Hawai'i Coastal Management Program has designated the dunes and adjacent sandy beach areas in the northern portion of PMRF as moderately sensitive due to the potential for the presence of human burials and paleontological remains. As mentioned above, the County of Kaua'i has designated the area as a special treatment district because of the presence of human burials. Archaeologists and naval planning staff have indicated that there could be considerable potential for the inadvertent disturbance of burials and archaeological materials by project activities. The report also states that Hawaiian oral tradition and traditional burial patterns indicate that the dunes and adjoining sandy areas can be considered to be an area of high sensitivity with the potential for containing human remains.

The proposed mitigation plan for cultural resources, including burials is to proceed with work unless and until cultural artifacts are discovered. At that point the remains would be treated as inadvertent discoveries and a full or sample data recovery/research and documentation program (controlled excavation) would be implemented. This is unacceptable and illegal. Given the admission by the draft EIS that burials are known to be present throughout the PMRF site, the STARS developers are required, under law, to develop a burial treatment plan which must receive approval of the DLNR and the Kaua'i Burial Council, prior to commencement of any construction. The burials cannot be treated as if they were inadvertent discovery given the fact as stated by the draft EIS that, “current available information indicates that burials within the PMRF can occur virtually anywhere within the installation.”

(8) Land Use

The area bordering the project site and impacted by the blast zone is part of the ceded public lands trust. Currently the land is under lease to Kekaha Sugar Plantation, a subsidiary of AmFac. The lease on the land expires in December 1993.

Adjoining lands also include lands of the Department of Hawaiian Home Lands. Those lands are also used by the Kekaha Sugar Company under terms of a lease that will expire in December 1993.

Currently, there are 21,000 Native Hawaiian beneficiaries who have applied to settle upon Hawaiian Home Lands. At least 2,000 applicants desire to settle upon the Department's lands on Kaua'i. Native Hawaiians from the West side of Kaua'i have already indicated their desire to settle upon the Hawaiian Home Lands in Waimea.

There is a concern that development of STARS will render the ceded lands useless for future habitation, development or diversified agricultural or other uses. Hawaiians are concerned that STARS would prevent ultimate settlement upon Hawaiian Home Lands.

A proposed possible swap of Kekaha Sugar lands for upland Hawaiian Home Lands would result in approximately 16,000 acres adjacent to PMRF becoming available. These lands would be used for housing and economic development but could be rendered useless by the emissions toxicity, noise and potential of catastrophic launches. Toxic fuel spillage, leakage or
catastrophic launching could render lands useless or permanently contaminated, so that future use by Hawaiians would not be possible. An assessment of the economic impact of restricted uses of the adjacent coded and Hawaiian Home Lands must be included as part of the EIS. This must also address the issue of compensation for lands included within the Blast Zone and around its perimeter.

In addition, the entire aluapua’a of Waima’a from Koko’e down to the ocean is Crown Land. Most of Hawai‘i’s aluapua’a (land divisions running from the uplands to the sea) already are developed, fragmented and heavily used. But the aluapua’a at Mana is special for two reasons: it is one of the biggest in the state and other than PMRF, it has remained in agriculture or conservation use. When Hawaiians regain sovereignty and control of their lands, the aluapua’a, which are traditional land divisions, will become valuable cultural components of the Hawaiian nation. Since most of the aluapua’a are already developed with resorts, government buildings and other uses that will be hard to move, the undeveloped aluapua’a become even more precious for restoration of the Hawaiian culture. As the Hawaiian people move toward achieving formal recognition of sovereignty, the aluapua’a of Waima’a, the largest single aluapua’a comprised entirely of Crown lands, would be ideal for inclusion in a sovereign land base. In the interim, Hawaiians are moving toward calling for a moratorium on the exchange and development of coded lands which would negatively impact upon the coded public lands and the Department of Hawaiian Home Lands.

(9) Failure To Assess Impact On Niihau, Kaua‘i, and Lehua

The draft EIS does not assess potential impact of overflight on Niihau, Kaua‘i, or Lehua. Niihau’s 200 residents utilize rainwater catchment systems for drinking water. In addition, the only fresh water ponding on the island is used for cattle and sheep. Exhaust emissions and catastrophic launches would jeopardize the health and livelihood of Niihau Hawaiians. The residents of Niihau, whose first language is Hawaiian need to be informed about the STARS program and consulted regarding potential impacts. Testimony presented at the public hearing indicates that residents on the island were inappropriately pressured to sign letters of support for STARS without being informed of the impacts.

(10) Failure To Conduct Social Impact Assessment

The EIS provides no information on new jobs, types of jobs, required skill and educational level for the jobs or how many local people versus new employees from off-island would be hired. There is no indication of how many off-island employees with their families would move into the community if STARS is constructed and operated. Moreover, the draft EIS provides no confirmation of the fact that the PMRF base will, in fact, remain open under a “No Action” scenario if STARS is not approved. PMRF will continue to fill a training need for the U.S. Navy, especially in light of the recent closures of Subic and Clark Bases in the Philippines, as well as Kaho‘olawe Island in Hawai‘i.

No survey was conducted of the community to assess community concerns regarding the STARS. The community anticipates an increase in social tensions and a change in the rural character of the Waima’a-Kekaha area if personnel from outside of Hawai‘i move into the community for the STARS. They also anticipate a negative impact on the availability of housing and a related increase in the price of houses. The influx of additional families into the community will also place additional burden on the school system, social services, fire and police protection, civil defense and medical services. These kinds of social impacts should be assessed in the EIS.

(11) Natural Disasters Area

PMRF is located in an area prone to tsunami, hurricanes, and tropical storms. It notes that a gazebo structure located in the vicinity of the project area was destroyed by a tsunami. These issues are not adequately addressed in the draft EIS.

(12) Failure To Assess Impact Under Different Scenarios

The draft EIS does not consider the social impact of operating STARS under different scenarios: (1) If use of the adjoining coded lands changes after the expiration of the Kekaha Sugar lease; (2) If the Hawaiian Home Lands are settled; (3) If the adjacent coded lands and Hawaiian Home Lands come under jurisdiction of a sovereign Hawaiian nation.

(13) Procedure to Designate a Blast Zone

The procedure and under what authority, rules and regulations a blast zone would be designated is not described. The report does not indicate what kinds of restrictions would apply within the blast zone. The report does not discuss forms of compensation that would be provided for reducing the value to the coded public lands trust and the Office of Hawaiian Affairs which receives 20 percent of the revenues generated from coded lands.

The proposed STARS program is a multimillion dollar venture. If allowed to continue, Hawaiians must be compensated and a new lease agreement drafted. If a proposed Homelands swap is terminated because of the intrusion of the blast zone into lands targeted for the exchange, then revenues from STARS should be utilized for developing infrastructure on Hawaiian Home Lands in the uplands of Waima’a.

(14) Rainforests

Acid rain and catastrophic launches could threaten lowland to upland Koko’e rainforest due to upper atmosphere prevailing winds that blow inland, unlike the low level winds, which are seaward. Seasonal wind conditions are unpredictable, increasing the threat to inland habitats, rainforests and subsistence hunting.
(15) Hawaiian Language

Information from the EIS should also be translated in Hawaiian for native speakers of Hawaiian who live in Waimanalo-Kahala and on Ni'ihau. The highest concentration of native speakers of Hawaiian live in the area to be impacted by STARS. They should be given the benefit of being fully informed on the impact of the program to their lifestyle and livelihoods.

Deputy Commander
U.S. Army Strategic Defense Command
CRB-EN-V (D. R. Gallien)
P.O. Box 1200
Huntsville, AL 35807-3801

Subj: PUBLIC COMMENT ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT

My name is Eugene Henriques and I am a lifelong resident of Kauai. I have worked at the Pacific Missile Range Facility (PMRF) for the past 12 years, and as currently employed as the Operations Control Supervisor for CPK, the prime Operations and Maintenance (OM) Contractor at PMRF. With the execution of my daily duties, I have thorough knowledge of the process which all prospective programs at PMRF must endure in order to become operational. I wish to state that no single program has involved the in-depth research and overall program scope as the STARS program. I felt all along that the Environment Assessment (EA) adequately met my concerns both as a citizen and as an employee at PMRF. I also recognized the political realities which existed, and understood that all levels of politicians from our local county council up through our senators in congress insisted upon a complete EIS, that you had no choice but to carry it out. I am more than satisfied with the findings of the draft EIS.

Keep in mind as an example the recent public hearing at the Kauai War Memorial Convention Hall, the first night by night estimates a crowd of no more than 900 people showed up to listen and testify. The center holds over 1000 people quite comfortably. of the 900 or so there, it was readily apparent that more than 90 percent of these people were yellow shirts; symbolizing support for the STARS program. In addition to these people, there were numerous people in yellow who also were there in support of STARS and PMRF. Yet, when you count up your speaking engagements both Pro and Con, you will see a number clearly in favor of the opponents of STARS and SDI. This was clearly an organized effort of the professional protesters, most of whom are recent arrivals to this island and who make a lot of noise in proportion to their numbers, and who enjoy the solid sympathy and support of our island's two newspapers and one local cable access TV station. Those who are opposed to STARS all showed up, yet they were still outnumbered by those who support this program and the findings of the DEIS. Keep in mind that over 40,000 residents did not show up to listen or testify. That tells me that approximately one percent of the people of this island actively oppose this program. The other thing which is so shocking to me is the amount of loose propaganda which STARS opponents are allowed to toss around unchallenged. In particular showing a catastrophic launch failure of a Titan Rocket and comparing the result as equivalent to a similar event involving the Polaris booster.

Nohili Coalition Critique of STARS draft EIS / 10
Another example is the sudden discovery of those poor unfortunate souls on Ebeye by STARG opponents. I am a student of the Pacific, my wife is Micronesian, so I have a very deep understanding and personal concern for the welfare of the Pacific People. I could not believe the utter trash being put out by STARG opponents about this program causing or perpetuating the social situation on Ebeye. Enclosed please find a copy of the Jan/Feb 1990 issue of Pacific Magazine as supporting documentation. I am a regular reader of various Pacific publications, and I can attest that this particular magazine is not noted for its pro-American articles. This particular issue is totally dedicated to the Ebeye improvements which were only possible by the money the Marshall Islands and Kwajalein Development Authority received from the current agreements with the U.S. Government. You will see that the Ebeye concerns are being addressed in a very humanitarian way. Considering the economic alternatives for that area, I feel the Marshall Islands Government has gotten a pretty good deal.

In closing, I would like to commend the Army for its professionalism and level temperament displayed through this whole process to date. I would also like to thank the DOD officials who had the foresight to pair the DOD's best product manager and the best test and evaluation facility in the nation, PMRF, together for this critical series of experiments.

Thank you for this opportunity,

[Signature]

Ray H. Henrichs
Features

Landfill has added more than nine acres to Enewetok's land area.
Enewetok: From Pacific Slum to Isle Showcase 30
KADA Leads Kwajalein Atoll Revitalization 39
KADA Leads Kwajalein Atoll Revitalization 40
Local Kwajalein Government Takes Charge 44
Marshall Wells Opportunity on Kwajalein 46
Enewetok's 'Inner City' Keeps Growing 48
Missile Play Major Role in Local Economy 49
Enewetok Residents Have Money to Spend 55
RE PACK Looks at Multi Million Dollar Expansion 55
Robert Reimers: 40 Years of Success 56
Gibson's Sees Major Enewetok Shopping Center 58
Triple J Carves Out Share of Enewetok Market 59

Interview

Carlton Hawley: Enewetok's Architect 61

Departments

Advertiser's Index 70
Ad & Displaying 78
Business 83
Editor's Mail Box 79
Pam Pals 79
Business Briefs 83
Government 83
Publisher's Report 85

Cover Story

Enewetok Atoll in the Republic of the Marshall Islands has a bright future ahead of it.

PACIFIC MAGAZINE 3

Special Report: The Reconstruction of Enewetok

Enewetok: From Pacific Slum to Isle Showcase

by Gail Johnson

Enewetok: From Pacific Slum to Isle Showcase... usually taken shock by the overcrowded, dilapidated homes, and the sway of children running wild on the island. But long-time residents just shake heads and smile, because they know what Enewetok used to be like.

Enewetok has come a long way with marked improvements in power, water, garbage, and roads since 1966. But it has a long way to go before it will be a healthy environment for people, particularly children, to live in. A planned community, linking Enewetok with six islands to the north, will open the door to serious redevelopment of Enewetok and neighboring islands. New neighborhoods are under development in place, there is an ocean view, and most importantly, freedom from the island... in that their island could be a model for development in the Pacific region.

8,000 people—predominantly children—a huge community, or a small community in time-scale.

With no local authority to take charge of development, the island was caught between the intransigence of a distant U.S. Trust Territory Government in Saipan, and a hostile military presence in the islands. The Army contended that Enewetok was the civilian Trust Territory Government's responsibility, while the Trust Territory's attitude was that Enewetok was in the Army's backyard, and the Army should deal with Enewetok problems.

PACIFIC MAGAZINE 3
Special Report: "The Reconstruction of Ebeye"

Isle Showcase...

(Continued from page 31) Desperating living conditions marked the inadequacy of the U.S. construction. During the summer of 1979, the sewer system collapsed, spewing sewage into the ocean. The problem in the three generations of the old power plant were not of commission, and the pollution levels in the lagoon were registered at 2,000 times the safe level set by the World Health Organization. The landslides, by Senator Ionas Kebes and Harold Dobre, was again taken to their boats in protest, setting up camps around the island. While earlier protests had centered on the mid-island corridor, sometime, the tide was out, and the people occupied the missile range headquarters at Kwajalein Island and the large missile tracking station of Fort Wither in the northern part of Kwajalein. It was impossible for the Americans to ignore the protest.

Kwajalein Island was charged with continuing neglect of needs on Ebeye. "Have a letter from (Hawaii Representative) Paris Mink which, in 1976, stated the Ebeye sewer system needed immediate action," NANPA said. "It's more than three years later and what has been done? Nothing."

Typical of Ebeye crowded conditions is this cluster of homes, joltingly marked "homeless." The 1979 protests resulted in a dramatic increase in annual compensation payments from the U.S. from a few hundred thousand dollars a year, the lease payments jumped to $1 million, with $5 million going directly to Ebeye residents, the balance going for development projects.

Still, a lack of local control at Ebeye meant problems continued to fester. And while the landslides were receiving more money, the U.S. interest in Ebeye's needs faded as the people tested their occupations of the islands. Three years later, the last protest against the recently signed Compact of Free Association was launched at Kwajalein. More than 1,000 Ebeye residents said about 10 miles from the camp and camped out for some four months, demanding increased compensation and improved living conditions.

A demonstration of the gap between the U.S. perception of the situation at Ebeye and the reality of life on the island, climate-clad Ebeye, was in comments by U.S. Commerce Secretary Robert Strauss to the United Nations Visiting Mission in 1982. Said Zinder, "(On Ebeye), there are schools, a hospital, a commercial enterprise, and other amenities. It should also be noted that the U.S. Government provides all Medicaid, free hospitalization and education, as well as job opportunities that pay well in excess of the local wage level." I am thinking about the United States of Ebeye, to that end, I would like to point out the Kwajalein Island and the importance of missile tracking station of Fort Wither in the northern part of Kwajalein. It was impossible for the Americans to ignore the protest.

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20-JANUARY/FEBRUARY 1990

PACIFIC MAGAZINE—91
Special Report: 'The Reconstruction of Ebeye'

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Isle Showcase...
(Continued from page 32)

KADA: A Team That's Reshaped Kwajalein Atoll
by Giff Johnson

The Kwajalein Atoll Development Authority (KADA), working closely with the local government, has been a successful team of planners, architects, engineers, and construction contractors, reshaping the island. The development authority is run by Marshall Islanders who have brought in outside experts to nurture their ideas and plans to fruition.

New and much improved homes are being built on Ebeye. Above is Alyjoe Katoa's home under construction.

"A lot of people have lived here and now they have their own identity," said Bill Delneri, a long-time Ebeye resident and the controller at Triple J Wholesale. "But now people are building their own facilities. The people were cast off on their own, and now they have their own identity."

"I think the Marshall Islands will get a new lease on life," said Delneri. "With the changes that are happening, we're getting better.

A new community will soon connect Ebeye and Guagoe Islands.

Secretary Jesse Katoa, the most powerful (chief) on Ebeye and a close relative and political ally of President Amos Katoa, is chairman of the KADA board. He is joined by other local leaders and Marshall Islanders, who represent the Marshall Islands government. KADA's executive committee of chairman Justin Delneri, the government's liaison officer to the Kwajalein Army Base, Alvin Jackiel, Ebeye mayor, and Faisufo, a prominent local businessman, have proved effective in steering the work along.

(Continued on page 39)

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- Individual Life Insurance
- Group Life Insurance

Marshalls Insurance Agency is under the management of a professional insurance agent fully licensed in the Marshall Islands, Mainland USA, and Hawaii. Located in Robert Ranch new building, ground floor, west to parking lot.

P.O. Box 113, Majuro, Marshall Islands 96960
Ph. 33656 Telex: PUT 7560537

(Continued on page 30)

34—JANUARY/FEBRUARY 1990
PACIFIC MAGAZINE—38

Members of the Kwajalein Atoll Development Authority include, from left: Justin Delneri, chairman of the executive committee; Faisufo, president of KADA; Robert Johnson, chairman of the authority; and Joel Johnston, executive director, and Carolee Heage, architect and planning consultant.
Special Report: 'The Reconstruction of Ebeye'

KADA Team...

Continued from page 41

During the time of the 1990s, the Marshall Islands government began a massive rebuilding effort in the area. The rebuilding effort was led by the Marshall Islands Development Bank (MIDB), which provided financing and technical assistance to the government.

KADA was the implementing agency for the rebuilding effort. It was responsible for the development of Ebeye, the largest city in the Marshall Islands. KADA worked with local communities and private contractors to rebuild homes and infrastructure.

KADA was also responsible for implementing the Marshall Islands Development Bank's (MIDB) loan program. The loan program provided funding to the government for the rebuilding effort.

The reconstruction of Ebeye was a major undertaking. The KADA team worked closely with local communities to develop a comprehensive plan for the city's reconstruction.

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Marshall Islands Development Bank

The Marshall Islands Development Bank (MIDB) was established in 1984 to provide financial assistance to the government for the reconstruction of Ebeye.

MIDB provided financing for the construction of new homes and infrastructure. The bank also provided technical assistance to the government in the development of the city.

The Marshall Islands Development Bank (MIDB) played a crucial role in the reconstruction of Ebeye. The bank provided both financing and technical assistance to the government.

The Marshall Islands Development Bank (MIDB) played a crucial role in the reconstruction of Ebeye. The bank provided both financing and technical assistance to the government.

Marshall Islands Maritime Authority

The Marshall Islands Maritime Authority (MIMA) was established in 1986 to develop and manage the country's maritime resources.

MIMA was responsible for developing the country's maritime transport sector and promoting sustainable development of the marine resources.

The Marshall Islands Maritime Authority (MIMA) played a crucial role in the development of the country's maritime sector.

The Marshall Islands Maritime Authority (MIMA) played a crucial role in the development of the country's maritime sector.

Marshall Islands Government

The Marshall Islands Government (MIG) was established in 1984 to provide executive, legislative, and administrative functions throughout the country.

MIG was responsible for the development and implementation of policies and programs to promote the economic, social, and cultural development of the country.

The Marshall Islands Government (MIG) played a crucial role in the development of the country's policies and programs.

The Marshall Islands Government (MIG) played a crucial role in the development of the country's policies and programs.
Kwajalein Revitalization...

(Continued from page 41)

Economic development has brought to the Kwajalein Atoll a new lease on life. But improving the infrastructure and providing decent housing for the residents of the Atoll are daunting challenges for the local government.

KADA Building Inspector Augustine Nakamura, right, discusses the upcoming housing projects with KADA construction supervisor Max Wendt and Deputy Director of Construction Ross Read.

Looking to the future, members of the KADA staff review proposed development plans.

42—JANUARY/FEBRUARY 1990

Local Kwajalein Government Takes Charge

by Gilly Johnson

"People said we were just a bunch of young kids trying to overthrow the government and the Army. They went wrong and they're wrong now," said Kwajalein Mayor Ahia Jacklick, who leads the Kwajalein Atoll government.

In the late 1980s, the Kwajalein Atoll was a haven for American military personnel and their families. But as the Cold War drew to a close, many Americans left the Atoll, leaving behind a sparsely populated community.

Mayor Ahia Jacklick decided to take charge of the Atoll government and work towards improving the quality of life for its residents.

"We were like the hunters without a job," remarked Jacklick, who is a former military police officer.

Since taking charge, Jacklick has worked to improve the infrastructure of the Atoll, including roads, housing, and sanitation.

"Now we're working towards creating a better environment for the people," said Jacklick. "We're doing what we can to make the Atoll a better place to live."

The Kwajalein Atoll government is now working on several new projects, including a new water treatment plant and a new housing complex.

"We're making progress," said Jacklick. "But there's still a lot of work to do."

Mayor Ahia Jacklick now heads a local government workforce of more than 150 employees.
Special Report: The Reconstruction of Eubea

KALGov 'Takes Charge'...

(Continued from page 41)

Americans from Eubea had been assessed.
Jockeck said that this was a long operation
and wouldn't be finished in a year.

KALGov's police force has expanded
during the past year under Public
Safety Commissioner Grants Mabena. They
now have 151 police officers (with plans
to expand to 70 in 1990), and a newly
completed jail and office facility.

The local government takes an active
role in enforcing its ordinances. In
August, it issued a series of arrest warrants
against local leaders to stop the illegal
drinking and those without required
work permits. The town's 'Fidel' Wave
by the police, the operation netted
more than 20 violations of KALGov's
ordinances, including a substantial
number of Americans from Eubea.

Jockeck noted that KALGov had
launched similar efforts in the past, but
was the first time that a lot of

Regularly scheduled garbage pick-up by local government workers has dramatically improved sanitation on the overcrowded island.

A minor incident at the local government's new water plant was noticed last year. The changes that have occurred in the island. One day in August, a KALGov payroll computer
"bounced," prompting former officer
Julian Hixon to state that he and the work
oversee to recover the financial records.

Ten years ago, when the biggest
complaint was that the toilets and sewer
systems don't work, few people had
sufficient toilets. In one computer,
there are still problems on the island.

Jockeck and KALGov have come a long
way in a few short years.

Jockeck is now leading the transfer of
functions to KALGov from the various
Education and Health Services.

KALGov's record with Public Works
and other government agencies is
capable of handling the increased
responsibilities.

"Everyone said we were going to fail," said
Jockeck. "But the people have turned Eubea around," said Jockeck.

Eubea's combination power and desalination plant has the capacity to
produce up to 100,000 gallons of fresh
water daily.

We carry more than just cargo. We carry a tradition.

For almost 20 years, Matson has delivered more
vessels to the Marshall Islands than any other ocean carrier.

We continue to serve you with reliable, dependable
schedules. And the most efficient large in the industry.

Since we introduced the ISLANDER in 1988, we've
increased our service to the Marshall Islands by over 50%.

After all, we want to be the best.

And that's a tradition we intend to keep.

MATSON

PACIFIC MAGAZINE

45—JANUARY/FEBRUARY 1990
Special Report: "The Reconstruction of Ebeye"

Opportunity...

(Continued from page 47)

Patrick said that airlifted personnel, such as nurses, are prepared to help in case of a major mechanical failure, and the entire system is designed to be highly reliable. "We have a backup system in place," he said.

In conclusion, Patrick emphasized the importance of planning for emergencies and ensuring that there are adequate resources in place to respond to any potential issues. "Our goal is to have a resilient system that can withstand any challenges," he said. "We are committed to providing reliable and safe services for our customers."
Special Report: ‘The Reconstruction of Enewetak’

Missile Range...

(Continued from page 49)

The missile range has been used as a “target of opportunity,”--as the Army’s parlance goes--for developing new tracking and intercept capability. It has also provided the underpinning for what is now known as the Strategic Defense Initiative.

Enewetak is one of the United States’ oldest and largest missile testing sites, and will be a center for testing new generations of defense weapons. The $2 billion facility would be difficult to or impossible to duplicate elsewhere, according to the Defense Department. Enewetak’s unique geologic layout, which supports an immense range of high-speed missiles, forms the world’s largest missile target. Enewetak provides an excellent target for incoming missile interceptors, as well as for testing of varying types of missiles launched from distant locations. The radar sensors and high-speed data processing equipment are housed in a number of buildings on several phases of flight of the various missiles tested.

Not surprisingly, the missile range is now being modernized. U.S. Army Kwajalein Atoll (USAAK) plans a major role in the economy of the Marshall Islands. According to Army estimates, Kwajalein accounts for an injection of $50 million annually onto the Marshall Islands, through land compensation payments, development assistance, wages to Marshall Island workers, and support from the U.S. Department of Defense.

The reconstruction of the missile range is part of the larger strategy to modernize the range, which includes the expansion of the range and the construction of new facilities. The range is expected to be completed by 2020.

The project is expected to cost over $1 billion. The United States has pledged to provide an initial $50 million for the project, with the remainder to be funded through a combination of other sources.

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Ebeye Residents Have Money to Spend

by Giff Johnson

Compared are keen to do business on Ebeye because residents have what they call "buying power." The island has an astonishingly high per-capita income—in part from salaries of Kwajalein workers—but in part from the multi-million-dollar income rental payments to landowners. About $6 million a year is paid to some 50 tenant owners for consent of the Kwajalein Military Range. The rental fees is no longer charged, but the distribution of these funds among the landowners on Ebeye is a controversy—less that public centers. What attracts the businessmen—the hard cash of rental payments—could prove a valuable source in the years ahead.

In the early 1960s, when the island rental payments leaped to the million, the Kwajalein Allotment Corp., the major organization of landowners, employed a system of per capita payments, per capita that allowed each of the roughly 3,000 Kwajalein landowners to equally alienate, irrespective of their landholdings or income status. Though these quarterly payments were relatively small, they were augmented at a substantial rate by collecting bank and loans and allowed Kwajalein residents to achieve personal advancement. All that is history.

Ebeye Islanders and the Marshall Islands Government have reached the decision to sell the Kwajalein Allotment Corp. Now, the payments are divided into three equal parts; and divided by the three classes of Marshall Islands landowners. There are three classes of landowners: those who receive one-third of the million, and those who receive two-thirds and those who divide the remaining two-thirds.

The distribution is determined according to the ownership interests of the landowners. The ownership interests are divided into three classes: the top class has the shares of the corporation, the middle class has the shares of the corporation, and the bottom class has the shares of the corporation.

RRE Looks at Multi-Million SS Expansion

by Giff Johnson

Robert Reimers Enterprises (RRE), the largest locally owned business in the Marshall Islands, has been the "big business" on Ebeye since it opened its first small store 20 years ago. Ebeye's stretch of land and the opportunities it offers have continued to expand RRE's business operations to develop in four separate stores on the island.

The company went through a dramatic expansion last year, increasing its operations from two stores to four. The expansion was a response to the growing demand for goods and services on the island. The company expanded its operations in three phases, adding two stores in each phase.

The first phase of the expansion was completed in 2000, with the opening of two new stores. The second phase of expansion was completed in 2001, with the opening of two more stores. The third and final phase of expansion was completed in 2002, with the opening of two additional stores.

The company's expansion has been driven by the growing demand for goods and services on the island. The company has continued to invest in new stores and new equipment to meet the needs of its customers. The company's expansion has been successful, and the company has continued to grow and increase its profitability.

Robert Reimers Enterprises has been a leader in providing goods and services to the Marshall Islands community for over 20 years. The company has continued to invest in its business to meet the needs of its customers, and the company continues to expand and increase its operations.

Robert Reimers: 40 Years of Success

by Giff Johnson

Robert Reimers was a pioneer in the business world of the Marshall Islands, and his legacy continues today. Reimers started his business in 1962 with a small fruit stand on the island of Majuro. Over the years, his business grew and expanded, and he became one of the largest employers in the Marshall Islands.

Reimers was a visionary businessman who was able to see the potential of the Marshall Islands as a place for business growth. He was one of the first people to see the potential of the Marshall Islands as a place for business growth. His vision and persistence paid off, and his business continues to be a leader in the Marshall Islands today.

Reimers was not only a successful businessman, but he was also a community leader. He was a voice for the people of the Marshall Islands, and he worked hard to improve the lives of his fellow Islanders. Reimers was a dedicated man who gave back to the community that had given him so much.

The legacy of Robert Reimers continues today, and his business is one of the most successful in the Marshall Islands. The company continues to grow and expand, and the business continues to be a leader in the community.
Congratulations to the leaders and people of Ebeeye for their success in working towards a better future. We are proud to be a part of the emerging new Ebeeye.

Robert Reimers: The man behind the biggest growth in the Marshall Island communities. During the 1970s, his company operated five boats which went from island to island picking up copra in exchange for food and other goods. RRE is now operating a fleet of ships, and last year, created 12,500 jobs in the service sector and government field. Reimers credits Powell Mikel, who ran the store from 1950 to 1972, and Ron Levy, who took over in 1972 and led the company to a new chapter in 1980 with the addition of the business and business group. The company is now the largest and one of the most significant in all of Micronesia.

(Continued on page 58)

Gibson’s opened a small store on Ebeeye in 1882 and is now eying the possibility of building a multi-million-dollar shopping complex.

An important outcome of the RRE expansion program is the substantial improvement in the local economy. Many businesses have been established on RRE construction projects, which will make the new shopping centers a major economic boost to the local economy.

Gibson’s is well known for its high-quality and unique shopping experience. The store offers a wide variety of products, including clothing, accessories, and home goods. The store’s commitment to customer satisfaction and excellence has earned it a loyal customer base.

Gibson’s is proud to be a part of the growth and expansion of Ebeeye, and we look forward to continuing to serve the community for many years to come.

(Continued on page 58)
Anrohasa Hotel... (Continued from page 59)

Anrohasa Hotel... (Continued from page 59)

Anrohasa Hotel...

Anrohasa Hotel...

Lalobby's is Ebeye's Most Popular Eatery

Lalobby's is Ebeye's Most Popular Eatery

by Giff Johnson

by Giff Johnson

by Giff Johnson

Lalobby's Restaurant has developed into one of Ebeye's most frequented eating spots on the island since it opened. The modern, efficient, and friendly atmosphere, combined with a wide range of offerings on the menu, including a quick take-out service, makes the restaurant a popular choice with the local community.

Lalobby's is not only a favorite eating spot for Ebeye residents, but it has also become a popular choice for tourists and visitors. The restaurant offers a variety of dishes to suit all palates, from traditional Micronesian cuisine to modern international fare. Whether you're in the mood for fresh seafood, gourmet dishes, or simple comfort food, Lalobby's has something to satisfy your taste buds.

Lalobby's Restaurant is one of the most popular eating spots on the island.

Lalobby's Restaurant is one of the most popular eating spots on the island. It's located in the heart of Ebeye and has quickly become a favorite among locals and visitors alike. The restaurant offers a wide range of dishes, from traditional Micronesian cuisine to modern international fare. Whether you're in the mood for fresh seafood, gourmet dishes, or simple comfort food, Lalobby's has something to satisfy your taste buds.

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Lalobby's Restaurant is one of the most popular eating spots on the island.
ClibPDF - www.fastio.com
Special Report: The Reconstruction of Ebeye

Carletta Hawpe...

(Continued from page 64)

HAWP: With considerable difficulty, First, we had to convince the Federal Emergency Management Agency (FERMA), which is the federal government disaster recovery agency. That was one of the most difficult phases of the total rehabilitation project. KADDA had to work closely with FEMA to ensure that all the relocation plans were implemented according to the agency's guidelines.

The KADDA-led team approached this task with dedication and commitment. The team worked tirelessly to ensure that every family affected by the disaster was properly protected and that the new homes were structurally sound. This was a challenging task, but the team was successful in ensuring that the new homes met all the necessary safety standards.

PACIFIC MAGAZINE: In early 1988, the KADDA team visited the community to meet with the local residents and assess the situation. How was this visit received?

HAWP: The visit was well-received by the community. The residents were grateful for the support and were eager to work with FERMA and KADDA to ensure the successful completion of the project.

The recently completed Ebeye Elementary School contains eight classrooms and is the new home for 400 students. The school is located on the north end of the island and was built to accommodate the growing population of the community.

(Continued on page 66)
Professional Services

Clibton Hawpe

(Continued from page 64)

Ciblon and I are building this
dualization facility into the new
giant that we had the first one. There wasn't
even enough money around to do the second
one. But there is a third one.

The funds used for the
diesel recovery program could have gone
toward the causeway, but it wasn't
prorated by the recovery effort. After
that year, we have to pay the majority of the
development fees for building a
dock since the existing one
collapsed. So we are still trying to find
a suitable way to finance and build its
causeway. Without it, the community
will never be able to develop as a unit
with its existing infrastructure.

For the interior, USA is extending
its ferry service to Gagge as-
1.10 a trip, so the workers there can
get back and forth. But this obviously does
not take the place of a direct link
to Gagge, where all the community
services and facilities are.
So, especially since
Gagge grew beyond the initial 300
residents to its current population of
about 3,000.

Through the RNMI of Foreign
Affairs, we have requested an aid
grant from the United States, and we
certainly hope that might be forthcoming.
Otherwise, we hope to look to
financial, which would effectively
double the cost and thereby cut the
amount of funds available for the many
other projects that we cannot.

With the Tuckers, all will be needed
to build a long-sought and much less
expensive road over the reef, but this would not
be the hazard of being washed out storms.

PACIFIC MAGAZINE: What other
U.S. agencies have been supportive
of the development work on Kauai?

HAWPE: The Environmental
Protection Agency has given major
goodwill in an effort to promote
development and participated in
the recent Gagge facility
with a $250,000 grant
in initial surveys.

The Economic Development
Agency has awarded Kauai
$3 million to
build a new
dock, which is projected to cost about $9
million.

(Continued on page 69)
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Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1. I am a resident of Kauai, and deeply concerned about the future plans for the S.D.I. program at Mauka. I am opposed to any nuclear weapons system on this island. I am very concerned about hazardous material storage and the contamination of the land, water and air. The unique and fragile native Hawaiian wildlife would be severely threatened, if not destroyed, should a catastrophic launch occur.

Please reconsider this expensive and dangerous program. We do not need these added stresses on our environment!

Name: Barbara P. Stuart
Address: Box 267, Haiku, HI-96714

2. [Comment from another individual]

3. [Comment from another individual]

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (O.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Please use your return to specify the projected impact on Hilo community and put an end to the S.D.I. program now!
Hawaii Conference

United Church of Christ

April 13, 1992

TO:
Deputy Commander
U.S. Army Strategic Defense Command

FROM:
Board of Directors of the
Hawaii Conference United Church of Christ

SUBJECT:
STRATEGIC TARGET SYSTEM DRAFT EIS

The referenced document was brought to the attention of the Board of Directors of the Hawaii Conference of the United Church of Christ by its Micronesia Committee at the scheduled meeting of April 11, 1992. The imminent deadline for response to the U.S. Army Strategic Defense Command (postmark by April 13, 1992) precludes a comprehensive response by this Board. However, on the basis of the project description provided by the DEIS, the following specific concerns were expressed:

1. What safeguards have been put into place to protect people in the downrange impact zone in the event of a hazardous situation developing in the course of an operation?

2. Given the increasing concern over the decline in protective ozone layer dimensions, particularly over the Pacific area as a residual consequence of the Pinatubo eruption, we are concerned about plans to release CFC's in the upper atmosphere during missile flights.

3. Pursuant to the National Environmental Policy Act (NEPA), consultation with potentially affected parties is required. In view of potential health, safety, and socio-economic impacts on people of the Republic of the Marshall Islands:
   a. Has the U.S.A.D.C. specifically consulted with the Marshall Islands as a potential party?
   b. If so, how has this consultation been implemented? (i.e., Have public notices and public meetings been conducted in both English and Marshallese language?)

We suggest that issues raised in this meeting be considered as formal public commentary pursuant to NEPA, and we request a response to these specific concerns.

Your further consideration in this matter will be much appreciated.

[Signature]
Norman W. Janish
President
Hawaii Conference

15 Craighead Place, Honolulu, Hawaii 96817 • (808) 537-9516 • FAX: (808) 531-7196

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Dear Senator Inouye and Mr. Sakima,

I do not support the Star Wars program on Kauai. I do support PMRF and am happy for its presence here. However, Kauai is not the place for such a program as the Star Wars project.

Respectfully,

LaRae Schutt

P.O. Box 327

Laua, HI 96765
LISA CERVANTES  
P.O. BOX 2950  
Lihue, HI 96766

April 10, 1992

Deputy Commander  
U.S. ARMY STRATEGIC DEFENSE COMMAND,  
CHOS-ER-V (B. Gallien)  
P.O. Box 1500  
Huntsville, AL 358-7-3801

Atts: Henry Cooper

To Mr. Gallien and Mr. Cooper:

I sincerely hope that you do not view mine and other Kauaians' comments as thoughtless that do not really matter. I truly hope and pray with all my heart that you open your minds to the ways in which others see things.

I realize that you have been trained (and trained well) for many years, whether you were trained by military or some other method and through that were led to believe that SDI can and will work. With the proper testing, technological advances and research.

I have examined books, articles and literature on both sides of the national SDI issue, and have concluded that SDI will fail because:

1. Its nuclear strategy is deficient in failing to recognize bomber aircraft, cruise missiles and smuggled warheads. It requires 67 launch sites to be operational, one of which is not yet even in existence.

2. Economically, its main beneficiaries are arms producers, dreamy scientists and top officials, like you, Mr. Cooper, while the hirelings (work force) are fed crumbs from your table.

3. With the Soviets in chaos, we know the Middle East will be our next so-called threat. Americans, military and otherwise, are fed-up with seeing government hypocritically marketing arms to "enemies" and then bullying them into war.

You have provided a DEIS and informational literature supporting SDI on Kauai and I have listed four major areas that will affect the decision to go forward with the program here or not.

On behalf of Kauai, it has been evident through the public hearings "granted" to us by the Army, the media, and County public forums and hearings, that over 70% of Kauai's population is opposed to this testing in the your stated four major areas:

Environment:
- Kauai's ozone is depleted by 10% at present.
- Relicensing hydrazine, nitrogen tetroxide and other rocket fuels into the air is foolhardy.
- The Marshall Islanders' oppression is a national embarrassment, and should be reversed this minute!

Technical:
- The Army's DEIS makes no assurances with regard to public safety or safety of the missiles themselves. Are we to believe there will be no "significant" impact simply because this Army says so? Why should anyone believe that???

Economics:
- Kauai is a national treasure, a rare and lush tropical garden, not some barren desert. Tourism is our main economic base. To risk the loss of our reputation as a retreat of beauty and peace for the far-reaching SDI research is ludicrous.

Agency-Mission Requirements:
- What law says you can use Hawaiian lands, bully the state into granting base access, and rip-off the taxpayers year after year? If we have any VOICE at all, hear our questions!

We urge you to LISTEN to the VOICES of reason and reality. We pay taxes all our lives and would truly rather see a world without suffering, even if the military needs to work in the streets with the war on drugs and poverty, send their scientists and technological advances to clean a filthy environment. We need disciplined, fresh, intelligent...and not for war toys but for world health.

Keep our military for our protection, at airports and other city centers where terroristic games create real threats to public safety. Don't forget what happened to Argentina just this year.

I am proud to be on record for OPPOSING SDI with all my intellectual, moral and spiritual might, and hope against hope it will somehow, someway, THIS YEAR, make a difference!

AS SINCERE AS I CAN BE,

Lisa Cervantes
JESSE CERVANTES
P.O. Box 2050
Lihue, HI 96766

April 10, 1992

Deputy Commander
U.S. ARMY STRATEGIC DEFENSE COMMAND,
CASP-EX-V (D. Gallien)
P.O. Box 1500
Huntsville, AL 358-7-3801

Attn: Henry Cooper

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- The Army's DEIS makes NO assurances with regard to public safety or safety of the missiles themselves. Are we to believe there will be no "significant" impact simply because THE ARMY SAYS SO? Why should anyone believe THAT???

Economics:
- Kauai is a national treasure, a rare and lush tropical garden, not some barren desert. Tourism is our main economic base. To risk the loss of our reputation as a retreat of beauty and peace for the far-reaching SDI research is ludicrous.

Agency-Hission
Requirements:
- What law says you can use Hawaiian lands, bully the State into granting Stars access, and rip-off the taxpayers year after year? If we have any VOICE at all, hear our questions!

We urge you to LISTEN to the VOICES of reason and reality. We pay taxes all our lives and would truly rather see a world without suffering, even if the military needs to work in the streets with the war on drugs and poverty. Send their scientists and technological advances to clean the filthy environment. We need disciplined, fresh, intelligent minds not for war toys but for world health.

Keep our military for our protection, at airports and other city centers where terrorist war games create real threats to public safety. Don't forget what happened to Argentina just this year.

I am proud to be on record for OPPOSING SDI with all my intellectual, moral and spiritual might, and hope against hope it will somehow, someway, THIS DAY, make a difference!

SINCERELY,

Jesse Cervantes
Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I think it is a mistake to place the Strategic Target System on the island of Kauai. It will cause damage to the ozone layer and create an atmosphere of tension every time you fire it. The missiles we really have very few if any enemies. We have enough equipment that comes close to them if we are of such a massive scale that we need short range.

Why don't you spend the money 3 billion and put your missiles there please else...

Name: Ronnie Stelter
Address: 66 Wewa Street, Honolulu, Hawaii 96724

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The Star Wars project is wrong both for the time and place at which it is proposed. In an era where the Cold War has ended, the Soviet Union has disappeared, the national deficit is huge, and the military budget is being cut, this project makes no sense. Nor does it make sense for small, fragile islands and only a small mishap would be necessary to ruin the environmental balance and beauty of the Sandwich Islands. I do not believe the conclusions or those that launching missiles and dropping their launcher attachments will not affect the area and the wildlife especially turtles and whaling which I...
I have experienced there. An EIS prepared by the
army on an army project is hardly unbiased
and credible. Please do not do this to our island
and to our world, which needs trust and peace—
not defenses against enemies which no longer exist.

Sincerely,
Michone Ziai

P.S. Senator Inouye has said that the people
working at PHEP now will not lose their jobs
if this proposal is not passed— it is not an
issue of jobs.

---

General Hammond

I'm glad efforts were made at getting
the environmental impact statement done.
I didn't feel the EIS was done as thoroughly
as I would have liked. It didn't include
the possibilities of accidents, either at the
launch site or the fuel travel on the road,
water or by air. It has us believe STAES
would only damage some farms and culture
is abroad.

I remember not too long ago the damage
Hurricane Diana did to our island and to our
tourist economy. This was a natural
disaster that took us many years to recover
from. I doubt we could even recover from
a man-made disaster like the one STAES
could provide. The damage seems endless.
Endangering our plant and animal life,
exposing our sacred sites,
reproaching our air, water and fishing,
and more damage to our economy. All
these items are critical to our well-being
and to our tourist industry. I ask that you
do not endanger my life or my families
life and put an end to the STAES program.

Thank you
Sierra Makauwey
ClibPDF - www.faslio.com
For the Protection of Hawaii's Native Wildlife

HAWAII AUDUBON SOCIETY

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ZN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

April 17, 1992

Dear Mr. Gallien:

The purpose of this letter is to provide comments on the Draft Environmental Impact Statement for the Strategic Target System program at the Kauai Test Facility, Pacific Missile Range Facility on Kauai, Hawaii.

GENERAL COMMENTS

1. Although the Draft Environmental Impact Statement (DEIS) for the Strategic Target System (STARS) program discloses the No-Action alternative, it fails to evaluate this alternative in light of recent international relations and global affairs, which cannot be ignored. The No-Action alternative must be re-evaluated in light of these recent developments.

2. The STARS DEIS describes a program that is only part of a larger one. The Army has illegally segmented the STARS program by assessing each component of the program separately, and fails to discuss other STARS programs at the Pacific Missile Range Facility (PMRF). Consequently, the Army has prevented meaningful analysis of the cumulative impacts of the program.

3. As in the Environmental Assessment for the STARS program on Kauai (U.S. Army Strategic Defense Command 1990), the Army does not include detailed information on safety procedures to be followed in the proposed STARS program. Instead, the Army refers to various plans, regulations, and requirements -- several of which are yet to be developed -- in discussing the effects of the proposed action on public health and safety (see specific comments on liquid propellants below, for example). In the absence of such specific information on safety procedures, regulations, and requirements, it is impossible to evaluate the effectiveness of the proposed mitigation measures.

GENERAL COMMENTS CONT...

4. The Army has failed to conduct recent field surveys of rare and endangered species and their habitats at PMRF and in the general vicinity. Consequently, it is impossible to evaluate potential impacts to the species and their habitats resulting from the proposed action. Furthermore, there is no discussion in the DEIS on the adverse impacts to rare and endangered species in the affected area, within the context of overall populations and statewide distributions.

SPECIFIC COMMENTS

Motor Boosters

1. The alternative involving the remanufacturing of necessary motor boosters is not thoroughly discussed in the DEIS. On the one hand, the Army claims that remanufacturing boosters would be too costly and time consuming, and that such necessary tooling is no longer available. On the other hand, the Army is prepared to refurbish the Polaris boosters for which some tooling is apparently available. The EIS must provide a more thorough discussion on the remanufacturing alternative in order to properly assess this alternative.

2. A history of Polaris A1 launch malfunctions, aborted launches, terminated launches, and other accidents should be included in the EIS.

3. The Army's typical conclusions for virtually every concern relating to the aging and reliability of first- and second-stage motor boosters is that "the proposed protocol of x-raying and refurbishment addresses the issues that have been associated with aging first-second-stage boosters." However, the Army does not provide adequate information on the effectiveness of previous testing, x-raying, and refurbishing. The DEIS should also include evaluations by independent experts and consultants who have no professional or economic interest in the STARS program. This is justified for several reasons. The Army did not adequately discuss aging and booster reliability in its Environmental Assessment. Differing opinions among experts in the field were brought to light in a legal action filed by the Sierra Club Legal Defense Fund against the Army.
Motor Boosters cont.

4. Regarding the third-stage motor boosters, the Army states that there is not a large statistical database to address the reliability of the third-stage motor boosters. The Army further states that, because the third-stage motor is newly manufactured, there are no reliability or safety issues associated with its development and use. It is rare to say that reliability and safety issues relating to the newly manufactured third-stage boosters are not known at this time, rather than to say they do not exist. Presumably, the third-stage boosters will be tested and monitored at some point. However, the Army does not thoroughly discuss how, specifically, the third-stage motors will be tested and monitored for safety, reliability, and compatibility with refurbished first- and second-stage motor boosters.

5. The Army notes that the DEIS that third-stage motor boosters were designed to have a 5-year storage life without degradation. Since the STARS program is at least a 10-year program, how, specifically, does the Army plan to test the third-stage motors: (1) at the onset of each launch; and (2) after the 5-year storage life period? This information is necessary to evaluate the safety and reliability of the third-stage motor boosters.

6. It is not clear from the DEIS why the Minuteman III boosters would not be able to "transmit encrypted information when flown on a Minuteman III" as they are permitted to do when flown on a Strategic Targets System vehicle. The DEIS should include such an explanation so that a more complete assessment of this alternative can be made.

Liquid Propellants

7. Throughout the EIS, the Army cites various safety procedures, safety regulations, and standard operating procedures for the PNP. The Army further states that safety plans will be developed. All relevant information must be included in the EIS. Citations to existing documents and references to plans that have not been developed yet are of little, if any, use in evaluating the program's impacts and the Army's proposed mitigation.

8. Who will develop the safety plans and operating procedures mentioned in the DEIS? Who will review them, and who will ultimately approve them? Will a supplemental statement be prepared upon completion of these procedures and plans? This information is essential in our evaluation of the proposed action and mitigative measures.

Liquid Propellants cont.

9. Worst-case scenarios regarding spills and accidents involving hydrazine and other hazardous substances must be included in the DEIS.

Launches

10. Criteria by which launch azimuths will be determined should be included in the DEIS.

11. Figures 2-12 and 2-13 (showing PNP ocean safety zone and STARS ground hazard area) should include existing water and land uses, respectively.

12. The release of hydrazine into the atmosphere (by experimental payload and venting experiments) is not discussed in the DEIS. Although the DEIS states that similar experiments have been conducted previously by the U.S. Air Force for other programs, the DEIS does not discuss the results of the experiments, nor does it discuss why additional experiments are required for the STARS program.

13. The DEIS states that launches will be postponed if endangered humpback whales (Megaptera novaeangliae) are observed in the area. This means that missiles will remain on the launch pad for an undetermined amount of time, until the whales are no longer in the vicinity. In addition, certain public recreation areas will remain closed/evacuated until the whales are no longer observed in the area. If whales are utilizing the waters during the "whale winter season," is the Army proposing to ban STARS launches for the entire season? This could mean prohibiting launches for as long as 3-7 months. It is impossible to assess the impacts to public recreation and safety without knowing, specifically, how long the whales utilize the area in any given season and, consequently, how long launches may be delayed on the pad.

14. The effects of launch emissions should be discussed for sugar cane and other plants in the area.

Air Quality and Hazardous Substances

15. In the DEIS, the Army finds that the amount of ozone-depleting chemicals released by STARS is insignificant when compared to other sources, such as the Space Shuttle launches. Impacts to ozone caused by launch emissions and releases of ozone-depleting chemicals need to be assessed within the context of existing emissions and releases on Kaiwi and in Kauai.
Air Quality and Hazardous Substances cont.

16. Although the DEIS briefly discusses the greenhouse effect, the Army does not compare the increased levels with existing emissions from Kauai. As in the case of ozone depletion, the Army finds that levels of carbon dioxide from STARS launches are insignificant when compared to other (global) sources, and significance within the Kauai context is not evaluated.

17. The DEIS does not adequately discuss potential fish kills resulting from the emission of hydrogen chloride.

18. Discussions on wind patterns, launch emissions, and terminated launches should include impact assessments for periods when Kona (or leeward) winds prevail. These winds blow from southerly quadrants and do not follow the prevailing, northeast trade wind patterns.

19. The DEIS does not discuss the impacts caused by water deluge systems (used to protect dune and non-native vegetation during launches) on soil and groundwater quality.

20. The DEIS does not explain why lead deposition is not a factor in the proposed STARS launches, if this is the case.

21. Figures 3-3 and 3-4 should reflect the type of sampling being proposed.

22. Table 3-3 should include a column indicating STARS results (per launch).

Rare and Endangered Species

23. Thorough field surveys by qualified biologists must be conducted for rare and endangered species in the PMRF area, in order to assess potential impacts to the species and their habitats, and proposed mitigation measures. The EIS should contain maps depicting the general locations of rare and endangered species and habitat, in relation to the proposed action. The maps should be based on the best and most current information, including recent field surveys, which were not conducted in preparing the DEIS.

24. Because field surveys of the endangered Humpback whale (Megaptera novaeangliae) in waters between Kauai and Ni‘ihau were not conducted in preparation of the DEIS, it is not possible to assess the impacts to this endangered species caused by the proposed action. The DEIS does not contain adequate information on the use of these waters by whales during a typical winter season, nor does the DEIS discuss the use of the area by cow/calf pairs. Consensus and research on Humpback whales is currently being conducted by researchers from Moss Landing. Preliminary results indicate that the waters between Kauai and Ni‘ihau may be very significant for the Hawaiian population of Humpback whales. The DEIS does not mention this information. The DEIS also fails to discuss the proposed action in relation to the overall distribution of Humpback whales in the Hawaiian islands and in the North Pacific. Consequently, impacts to the species cannot be accurately assessed and properly mitigated.

25. Site (submarine) surveys of the threatened Green sea turtle (Chelonia mydas) should also be conducted in the waters off PMRF, especially in the proposed landing areas at Major Bay and 0.6 mi south of Nobili Ditch. The surveys are needed in order to specifically assess impacts on foraging and resting habitat. Existing information indicates that turtles aggregate or congregate in large numbers in the immediate vicinity of the Nobili drainage ditch. The DEIS should include this information, as well as the impacts of the proposed action on the habitat.

26. The EIS should also discuss the PMRF nesting occurrences of the Green sea turtle within the context of total nesting habitat remaining on the main Hawaiian islands. The fact that 90 percent of the nesting occurs at the French Frigate Shoals makes it essential to protect any nesting habitat on the main Hawaiian islands. The DEIS does not discuss the potential impacts of lights on gravid females and on hatchlings. Such information is necessary to evaluate the potential impacts to the breeding of this species.

27. The DEIS does not discuss the possibility of endangered Hawksbill sea turtles (Eretmochelys imbricata) at PMRF. Have recent field surveys been conducted in order to rule out this possibility? Potential impacts caused by the proposed action to this species must also be assessed and mitigated, if it is known or found to occur at PMRF.

28. There is little discussion on the impact of noise to endangered Hawaiian water birds (coot, Fulica americana, alai, gallinule, Gallinula chloropus sanguinolenta; stilts, Himantopus mexicanus knudseni; and duck, Anas wyvilliana). Who will prepare the noise monitoring plan mentioned in the DEIS? Will endangered water birds be a consideration in such a monitoring effort? Where specifically will the noise monitoring stations be located? Without this information, we are unable to evaluate the potential impacts to these endangered birds. Furthermore, testing should be done prior to evaluating the impacts and proposed mitigation measures.

29.
Rare and Endangered Species cont.

29. There is no discussion on the effects of launch emissions on water bird egg fertility and hatching success. Undoubtedly, research has been conducted on chemicals and their effects on the eggs of similar species elsewhere. Such research results are necessary in assessing the proposed project’s impacts on these endangered birds.

30. The DEIS does not discuss the effects of launch emissions on water quality and food sources for endangered water birds in the area. It should also be noted that irritation to the birds’ legs and skin (potentially resulting from chemical spills) would be in violation of both federal and state endangered species laws.

31. The subspecies name for the Hawaiian gallinule is sandrinensis.

32. The endangered Hawaiian stilt’s foraging behavior is different than that of the Hawaiian coot, gallinule, and duck. It is a wader and utilizes shallow salt-water and mudflats. The Army’s evaluation of the proposed action’s impacts on the stilt should reflect this distinctive habitat preference.

33. The DEIS does not adequately discuss how the Laysan albatross (Diomedes immutabilis) will be affected by the proposed action. Specifically, how many known courting and nesting habitats of this bird are known from the main Hawaiian islands? How does the proposed action affect the species’ breeding? The latter is especially critical in light of the fact that various tactics have been employed over the years to discourage albatrosses nesting from nesting at PMRF.

34. The Army does not discuss the foraging behavior of the endangered Hawaiian hoary bat (Lasiurus cinereus semicinctus) along the shoreline at PMRF.

35. The most commonly accepted name of the genus to which the endangered Hawaiian hoary bat belongs is Lasiurus.

36. The Hawaiian monk seal (Monachus schauinslandi) is not Hawai'i’s only endemic mammal, as stated in the DEIS. The Hawaiian hoary bat is also endemic to the Hawaiian islands.

37. The DEIS should discuss the success rates of transplanting Adder’s tongue (gigliofoium concolor) to “suitable habitat elsewhere,” as discussed in the DEIS, so that this mitigative measure can be properly evaluated.

38. Well-developed native strand vegetation is rare in the Hawaiian islands today. Discussion on this ecosystem-type at Nobili should be made within the context of the state-wide distribution of such communities.

39. The spelling of “Bruegman” should be corrected to “Bruegmann.”

Land/Water Use

40. The DEIS should discuss alternative sites within PMRF for the STARS program, so that further desecration of Hawaiian burials and other culturally significant sites are avoided.

41. The DEIS does not discuss land ownership of the proposed STARS site or of the PMRF in general.

42. The DEIS should contain maps depicting existing land ownership, lease agreements, county zoning, and important cultural and recreational sites, in relation to the proposed action.

43. The DEIS does not discuss the impacts of the proposed action on: (1) native Hawaiian fishing and gathering rights; (2) subsistence life styles, which depend on the resources at Mala; (3) ‘ohana (extended family) networking and sharing of resources; and (4) the future settlement of Hawaiian Homeland settlers at Kealakeka.

44. How much additional water (potable and brackish) will be required by the proposed action? Who is currently using these resources, and how will the proposed action affect existing and future users in terms of water quality and quantity? This information is necessary to assess the program’s impacts on existing and future water users, including Hawaiian homesteaders.

Thank you for the opportunity to comment on the Draft Environmental Impact Statement for the proposed Strategic Target System. If the Hawaii Audubon Society can be of any assistance, please do not hesitate to call me.

Respectfully,

Marjorie Siegler
Board of Directors
Deputy Commander
U. S. Army Strategic Defense Command
Attention: CS|D-E*2-V (D. R. Gallien)
P. O. Box 1500
Huntsville, Alabama 35807-3801

RE: Written Comment on the Draft Environmental Impact Statement For The Strategic Target System Dated February 1992

Dear Deputy Commander:

Submitted herewith are my comments on the Draft Environmental Impact Statement (DEIS). Please note that all references in parentheses denote page numbers in the DEIS unless otherwise stated.

INTRODUCTION

Federal actions that significantly affect the human environment require an EIS that addresses the following issues comprehensively and with fairness: 1) the objectivity of the EIS - i.e., Does the affected agency so influence the shape, form, and content of the EIS that it becomes a mission-oriented statement? 2) the consideration of alternatives - i.e., Are the alternatives fully explored and discussed? 3) sufficiency of evidence - i.e., Are inferences and conclusions fully supported and documented by data? 4) omission - e.g., Are "worst case" scenarios and other negative information excluded, thereby limiting full disclosure? 5) a proper statement of economic matters - i.e., Are economic benefits correctly quantified and balanced against possible environmental costs? and 6) conflict of interest - i.e., Is the party that determines the adequacy of the EIS the same party that prepared the EIS?

The most disturbing element of the DEIS is the imprint of a mission-oriented agency that pervades the DEIS, as evidenced by the following: 1) conclusory statements are made without sufficient data to justify such statements; 2) disclosure is limited so as not to highlight worst case scenarios; and 3) alternatives are not fully explored under the pretense of meeting time constraints imposed by the Missile Defense Act of 1991.

People may differ as to the wisdom of spending so much money and effort on the SDI program. But if the SDI program is to be a burden on taxpayers, that burden should not be one that results in bitterness because of waste or haste. There are already these rumbles of rage. Most importantly, the people of Kauai should have been provided an easily understandable DEIS, one that discloses the full range of possibilities on worst case scenarios together with the asserted benefits. This is lacking in the DEIS.

Inherent Conflict of Interest

There is an inherent conflict of interest when the same agency, either directly or indirectly, both directs the shape and form of the EIS and decides the adequacy of the EIS. The unavoidable tendency and result would be for the EIS to lack objectivity and instead to resemble a mission-oriented statement. Embellishing favorable information and dismissing or not disclosing negative information would become persistent temptations. Conclusory statements without adequate supporting data would result. Because of this inherent conflict of interest, no matter


how clean the hands of the decision-maker may be, there will always be a taint.

The kinds of conflicts described above pervade the DEIS under review. In section 1.3.1 (1-5), the DEIS states that the Director of Strategic Defense Initiative Organization (SDIO), Henry Cooper, agreed to the preparation of an EIS because of the concerns of the public. In truth Mr. Cooper and his office resisted the preparation of an EIS. It should be pointed out that actually it was the Congress that appropriated funds for the EIS and mandated the SDIO to prepare an EIS.

Kauai residents have been informed by Mr. D. R. Gallion that Mr. Cooper's office will be the ultimate decision-maker regarding the adequacy of the EIS. His office should not have the final authority to determine whether the proposed launches will have any significant impact on Kauai. The adequacy of the EIS should be determined by an independent third party.

The Waste of Money

The deployment of some kind of ground-based anti-ballistic missile program at a base by the year 1996 or as soon as technology permits is the mandate of the Missile Defense Act of 1991. Deadlines often spur activity. But activity made in haste can lead to waste in monies and effort, especially when short-cuts are taken. The DEIS reflects this kind of "rush to judgment" approach in its failure to consider all alternatives in a thorough and careful manner.

Incorporation by Reference

In section 1.3.2 (1-5) of the DEIS, certain documents are incorporated by reference. This is an objectionable practice. If incorporated by reference, those documents should have been attached to the DEIS. Comments should then be permitted on these documents. Incorporation by reference leads to an over-load of information that is not relevant to the DEIS. This practice should not be allowed.

Alternatives

Chapter 2 of the DEIS starts out with the summary statement that "operational, safety, and treaty considerations" left only the proposed action and the "no action alternative" as appropriate for discussion in the DEIS. The alternatives were eliminated from further consideration without being fully explored and discussed. Instead of the cursory treatment given them, the alternatives should have received full consideration. Such brief mention in section 2.3 (2-34) of the alternatives and quick dismissal of these alternatives should not be acceptable. Is it not the purpose of the SDI program to test defense systems against intercontinental ballistic missiles? Or is its purpose to rush to utilize the budgeted amounts under the Missile Defense Act of 1991? If it is the latter, a great waste of energy and taxpayers' monies would occur because testing would take place under less than ideal conditions.

The DEIS developed certain criteria against which the various alternatives were evaluated. These criteria (2-16) must be closely
scrutinized because their wording would tend to narrow the choice to the alternative desired. Through the selection of criteria a mission-minded team can often eliminate certain alternatives. Thus, a review in the DEIS of some of these criteria would be appropriate.

First: Scheduling to meet the time set for the deployment of anti-ballistic missiles should not be a criterion in the DEIS. The stated objective of developing "for deployment a limited ballistic missile defense system by FY'96 or by the earliest date allowed by the availability of appropriate technology" (2-36) is an admission of the SDI objective. Concern with scheduling, however, should not be used to outweigh environmental concerns since the Missile Defense Act of 1991 also talks of "the earliest date allowed by the availability of appropriate technology." (2-36). Technological advancement can be attained without environmental despoliation. Therefore, whether the use of a site would satisfy all environmental concerns should override any consideration based upon meeting a 1996 deadline.

Second: The START Treaty is ripe for amendments. Such amendments could be structured to provide the ideal conditions for testing. Intercontinental ballistic missiles as well as multiple test objects from these missiles would provide the ideal vehicle for testing under the SDI program. Minuteman I and II rockets are scheduled for discontinuance from the weapons system. These ICBM's could be launched from either Vandenberg Air Force Base or Alaska's Poker Flat Research Range. Not only would the SDI program be
testing the very type of long range missiles for which the testing is designed, but the infrastructure and rockets are already available. Therefore, the alternative of treaty modification should be explored and discussed in the DEIS. If the SDI program is aimed at testing ICBM targets, then ICBMs should be tested and not intermediate range missiles. Using the criterion of scheduling and cost limitations (the sixth criterion) only provides an excuse to force a conclusion that "the Strategic Target System vehicle launched from the Kauai Testing Facility (KTF) is the only reasonable option." Is it not because the "rush" is on to spend appropriations that the "forced" option becomes "the only reasonable" option?

Boosters

At page 2-9 of the DEIS, in the discussion of refurbished booster reliability, much more data need to be provided to substantiate the conclusory statements made. For example, a full discussion of the characteristics that are typical of aging solid propellant boosters would be useful. Some negative information is being glossed over by statements such as, "The refurbishment process for each booster is specifically designed to meet original Polaris A-1 flight specifications in the areas of performance, safety, and reliability." Non-disclosure suggests an attempt at cover-up and is certainly unacceptable in an EIS.

First-Stage Booster Reliability (2-9). There are 27 year old boosters refurbished for the SDI program. At minimum, scientific testing should be done by independent third parties and inspected
by independent third parties. Confirmation of safety should be required instead of a reliance upon in-house statements of reliability. Since room for disaster by human error is great, past record of unreliability should also be presented. In the DEIS only affirmative conclusory statements are being made.

Second Stage Booster Reliability (2-10). These are 26 year old boosters refurbished for the SDI program. The DEIS contains an admission that "Some older Polaris A-3 second-stage boosters have experienced failures caused by forward dome burn-throughs," yet fails to provide detailed statistics of failures. Testing results of refurbished booster must be presented. The absence of such test results in the DEIS leaves the reviewer with an uncomfortable distrust of such conclusory statements as the following: "The Strategic Target System second-stage booster refurbishment and static test program has adequately addressed the technical issues that caused concern about using aged boosters. Static firing and subsequent dissection has not only demonstrated the validity of the refurbishment process by meeting all test objectives and success criteria, but it has also shown that the boosters meet the original performance specifications."

Flight Termination

Strategic Target System Vehicle Flight Safety (2-16). The discussion of flight termination over certain circumscribed pathways does not provide comfort. What would happen if a missile went outside its narrowly designed pathway? Under those circumstances all of Kauai would be exposed to the dangers of an abort order due to a failure in the guidance system. Therefore, it would be an appropriate procedure for the logs of the Missile Safety Officer to be made available for review by an outside inspector.

At page 2-16 of the DEIS, the depressurization of booster cases and the directional hole cuts in the liquid fuel tank in the event of an early termination of flight are discussed. Test results, if any should be presented as a malfunctioning destruct mechanism could cause dangerous gases and liquid fuels to be dispersed over life and property.

The launch hazard area described at page 2-18 at 2,000 feet is one-directional. In the event of a misguided flight, the launch hazard area could easily be expanded to cover the islands of Kauai, Niihau, and other islands in the Hawaiian chain. To designate the launch hazard area in the one-directional manner shown is probably adequate, as long as there is no malfunctioning of the guidance system. How did the Pacific Missile Test Center (PMTC) at Point Mugu, California arrive at its designation of the launch hazard area as described in the DEIS? A thorough explanation of the factors PMTC used in defining the launch hazard area should be presented.

The ground hazard area described at page 2-18 at 2,000 feet is arbitrarily set. A 10,000 feet maximum arc is used (Fig. 2-13 DEIS). The simulation program used to compute the dispersion of debris from a point of early termination must have assumed only one point of early termination. No data is presented as to alternative
points of early termination so that the conclusion as to the size of the ground hazard area is unsupported. The conclusion that "The risk to the public from the falling debris of a flight that has been terminated is extremely remote" is not substantiated by data. Even if the ground hazard area is as circumscribed in Figure 2-13, both Polihale Park and the State of Hawaii lands are being exposed to danger and deprived of their maximum use potential. The residents of the State of Hawaii would be denied use of Polihale Park every time a launch is planned. The State of Hawaii would be denied access to its lands as well.

Deprivation of Ownership Rights and Incompatible Land Use

The use of PMRF for the launching of rockets of the size required for the SDI program constitutes a taking by the military of lands belonging to the residents of the State of Hawaii. PMRF is a long sliver of land without the land mass needed for the launching of SDI rockets. One need only look at Figure 2-13 to see the fallacy of using a narrow finger of land for the launching of intermediate range rockets. It may have been a different story when smaller rockets were fired. Intermediate range rockets call for vertical flights, more fuel, etc. The extension of the ground hazard area into Polihale Park and State of Hawaii lands causes neighboring landowners to lose the right to use and occupy their lands. This is an important issue for the residents of Kauai and must be addressed by SDIO and fully discussed in the EIS.

The importance of land ownership is also reflected in the necessity for the State of Hawaii to execute two documents: the Memorandum of Agreement (Appendix B) and the Grant of Easement (Appendix C). Both of these documents seem to be after-thoughts, the realization by SDIO that the launches intrude into the ownership rights of the State of Hawaii. Both of these documents have not been signed. It would be against the interest of the State of Hawaii to enter into these agreements. SDIO should realize that the launching of intermediate range rockets from a small finger of land, like that of PMRF, is inappropriate. The State of Hawaii, in its fiduciary role as title holder to certain ceded lands, would be remiss if it were to burden its lands with such an easement.

Flight Termination (2-25). No empirical data are presented that upon early termination of the first and second stages fragmentation would occur as stated in the DEIS. Besides missile dispersion, the explosive dispersion of dangerous hydrazine and other chemicals could cover a wide area of Kauai. Gregory Feeley aptly described it in the March 1992 issue of The Atlantic magazine in discussing the Challenger disaster:

... as the Challenger disaster showed, a rocket, however complex its computerized regulatory systems, is essentially a space capsule sitting atop an enormous bomb, which is burned slowly rather than detonated all at once (42).

An explosion over the launch site would be highly destructive and significant to Kauai because of Kauai's small land area, fragile land and sea environment, and conflicting land ownership and land use claims adjoining the launch site.

The explosive consequences are not only possible but probable
inasmuch as ground zero to pitch maneuver does not occur for at least 2.18 seconds of vertical flight. (See 2-25). This is the moment of greatest danger to Kauai from a bomb-like explosion. What that explosive force would be is a function of flight time. The first stage is stated to weigh 24,300 pounds at lift-off. (See Appendix B). In view of this kind of danger that is present at the first stage, scientific and empirical data of safety precautions at this stage are profoundly lacking.

Flight Trajectory (2-25). There are instances of guidance systems going awry. According to the DEIS, it will take 15 seconds of flight time for the flight vehicle to clear Kauai. This means that during a period of approximately 12 to 13 seconds a guidance system error can occur, assuming that no other guidance errors occurred during the two to three seconds of vertical ascent. This is another point of extreme danger since either Kauai or Niihau could be exposed to the ruinous effects of early termination. A comprehensive EIS would include data of other early terminations.

Payload Flight (2-26). The release of dangerous hydrazine is for experimental purposes. As such, what empirical data there are have to come from other studies. The U.S. Air Force has conducted similar experiments. Why are these results not summarized in the present DEIS?

Modifications To The Proposed Action

Modifications to the Proposed Action To Reduce Environmental Impacts (2-29 et seq.). Without third party continuous monitoring and reporting, the actions to address public concerns are easily buried in a bureaucracy. This is especially so because of two reasons: first, many of the statements made in this DEIS are predictive and the actual must be compared with the predictive; second, the proposed launchings are continuous for over a 10 year period. Therefore, independent third party inspections and monitoring by trained people reporting to the public should be provided and paid for by the SDI program. The DEIS makes no provisions for continuous monitoring and inspections.

Not all of the environmental concerns of the public have been addressed. The modifications outlined in the DEIS are inadequate because they cannot rectify what are essentially inconsistent uses of land. The launching of rockets under the SDI program from PMRF highlights the incompatibility of intermediate range rocket launches with land use and land ownership rights of neighboring land owners.

One need only look at Figure 2-16 on page 2-16 of the DEIS to get the flavor of this incompatibility. Dangerous hydrazines and nitrogen tetroxide are but yards away from non-PMRF property. Are such dangerous chemicals as well as noise and blast activities compatible with adjoining agricultural use, recreational activities, and residential use by Hawaiians under the Hawaiian Homes program as well as by other residents?

The transportation of hydrazines and nitrogen tetroxide to the PMRF is given only superficial attention in the DEIS. More data should be presented of the danger to life and property in the event of accidents and the proposed action to address the damage
resulting from accidents. This section displays either an unconcern with the dangers of accidents or else a desire not to discuss this matter fully (2-34).

Affected Environment

The affected environment is described in Chapter 3 of the DEIS. Areas of concern are identified as geology and soils, water resources, air quality, biological resources, cultural resources, noise, hazardous materials and waste, public health and safety, infrastructure, and socioeconomics. Only certain of these areas of concern will receive comments.

In the section on land use (3.6), the region of influence is defined to include KTP/PNRF, Polihale State Park, and the coastline to the Waima River. Not included are the areas adjacent to PNRF - lands held by the State of Hawaii under the Department of Land and Natural Resources and the Hawaiian Homelands east of PNRF. The region of influence for land use purposes, at minimum, should be expanded to include these lands adjoining the PNRF. The proposed launches represent a significant increase in the use of PNRF. Such increased use will affect not only Polihale State Park and the coastline to the Waima River, but also the State of Hawaii lands and the Hawaiian Homelands.

The inclusion of the above lands in the region of influence provides a better picture of the conflict of land uses within this newly defined region of influence. The State of Hawaii lands, for example, are presently leased to Kekaha Sugar. The lease expires on December 31, 1993, and the lands could possibly be converted to other agricultural and residential uses. Similarly, the Hawaiian Homelands approximately three miles away from PNRF could be settled with farmers and ranchers. The launching of intermediate range rockets under the SDI program is incompatible with agricultural, ranching, residential and recreational uses within the properly defined region of influence.

At page 3-35, the DEIS states that PNRF operates on lands set aside under two Territory of Hawaii executive orders. The DEIS continues with the statement that "public access to the shore be permitted for fishing. However, PNRF is allowed to deny access to the shore under the executive order during hours of hazardous operations." (emphasis added). The DEIS then describes how PNRF divides its coastline into three recreational areas (See Figure 3-9, 3-37) and sets hours for their use and restricts access whenever "hazardous operations" are being conducted (3-35). What do these executive orders really say?

The executive orders read, in pertinent part, as follows:

The land herein described is set aside upon the understanding that access to the shore for the purpose of fishing will be denied only on the portion used for bombing and that only while same is actually in progress or about to commence. (emphasis added).

How should the underscored language be interpreted?

First: the language of the executive orders is stated in the affirmative as to "access to the shore for the purpose of fishing." The only exception to this affirmative reservation of right of access to the shore is the denial of access to the shore "only on
the portion used for bombing and that only while same is actually in progress or about to commence." PMRF, by setting hours of use for the different recreation areas, is denying access to the shore even while there is no bombing or, for that matter, while there is no "hazardous operation."

This is contrary to the wording of the executive orders. While there is no bombing, any barrier to access to the shore, whether it be physical, temporal, or otherwise, is contrary to the wording of the executive orders.

Second: the denial of access to the shore can be imposed when "bombing" is in progress or about to commence. The DEIS uses the term "hazardous operations" as justification for the denial of access to the shore. Of course, no one would suggest that safety should not be a concern. PMRF is using the term "hazardous operations" as justification for a denial of access to the shore. This policy, used in conjunction with an already existing restriction on the hours of use of the recreational areas, effectively leaves little meaning to the term "access to the shore."

There is a danger in equating "hazardous operations" to "bombing." Most everyone can agree what a "bombing" is. Not everyone will agree on the definition of "hazardous operations." By loosely construing the term "hazardous operations" the PMRF can deny access to the shore in a manner contrary to the terms of the executive orders. The right of access to the shore will erode as PMRF conducts more and more "hazardous operations" at the base.

Table 3-5, on page 3-18 of the DEIS, shows the effect of PMRF's imposition of a permit system and the restriction on the hours of access, and the denial of access during "hazardous operations." Undoubtedly, many more residents would seek access to the shore if these restrictions were not in place.

Aesthetics

DEIS limits its discussion of aesthetic impact to the visual impact of the launch pad. Other aesthetic concerns such as noise, the fear of a serious accident, and the misuse of land and natural resources have been overlooked in the DEIS.

The DEIS fails to consider the impact of noise upon future residences on the adjacent State of Hawaii lands and on Hawaiian Homes lands. The launching of intermediate range rockets at PMRF would cast an unmistakable blight upon these neighboring lands. Safe levels of noise under U. S. Army Regulation AR 200-1 are not the same as desirable levels of noise for farming, ranching, and residential use.

Region of Influence for Public Health and Safety

The region of influence for public health and safety concerns is defined in Section 3.10 (3-44). The areas that could be affected must be enlarged inasmuch as errors in the launch operations could affect areas outside the launch hazard zones.

In discussing the First-Stage Booster (4-48), the DEIS asserts that migration of nitroplasticizer into the insulation could caused insulation and booster case burn late in the first stage burn. "Such an event would cause the booster to lose forward thrust and
possibly veer off course." (4-48). There is no discussion of the possibility of the rocket veering off course early in the first stage when the rocket is over the island of Kauai. In fact, there are no data presented that this will not happen.

In a similar vein, conclusory statements are once again made about case insulation separation problems and the failure of hydroburst and static firing tests to test the aging of the boosters. Details of the various tests, if available, should have been presented.

The greatest concern in the discussion on pages 4-50 and 4-51, is the statement, "In the unlikely event that the first stage is terminated, it is still improbable that the second stage would detonate. The second stage would be susceptible to detonation only if the booster were broken up into fragments that hit a very hard object while flying, or hit a hard and heavy object on the ground." Probabilities are discussed in theoretical terms. Assurances based upon study and data derived therefrom should be presented inasmuch as early termination of the first stage could detonate the second stage over Kauai. This could be a major disaster. Therefore, thorough testing and more data need to be presented in the EIS.

Similarly, the statement, "It is also unlikely that either a command destruct, using the flexible linear-shaped charge of the flight termination system, or a secondary detonation, resulting from the rupturing of the liquid propellant fuel tanks, would cause a detonation of the second-stage propellant." (4-51) is also conclusory. The fact that "no Polaris second-stage booster has ever detonated directly as a result of case rupture or use of shaped charge" is not sufficient. A full range of knowledge in this area should be presented.

There are two occurrences that could definitely constitute a significant impact to the human environment - the rocket flying off course or an explosion occurring. Two considerations are used in analyzing the booster debris pattern of an explosion: 1) the speed and trajectory of the booster; and 2) the amount of time the Range Safety Officer has to detect a problem and to take action to terminate the flight. (4-52). Three scenarios are then considered (4-52 and 4-53). Termination at any stage would be undesirable. However, it is Scenario Two, "Early flight Termination After Lift-Off" and Scenario Three, "Pitch Back Over The Island" that bear commenting.

Scenario Two. The ground hazard area is shown on Figure 2-13 (2-23). If we use the ground hazard area defined in the DEIS, the debris pattern under a controlled and prescribed termination would nonetheless intrude over a portion of Polihale State Park and the State of Hawaii lands. See both Figure 2-13 (2-23) and Figure 4-5 (4-54). The Range Safety Officer uses a 3.5 second reaction time to detect a malfunction and to terminate the flight. (4-53). Besides a reaction time prolongation, there could be a failure of the termination device. Should this occur, what would be the consequences? Could not the rockets return back to Kauai? This problem of a failure to pitch and the failure to trigger termination needs to be explored and fully discussed with data to
support various possibilities.

Scenario Three. In this scenario a pitch of 20° from horizontal is hypothesized, and the statement is made that vehicle flight could be terminated up to 15.1 seconds into flight and still provide a debris pattern within the ground hazard area. In both Scenarios Two and Three the damage to surrounding lands would not be acceptable even within the prescribed ground hazard area. But with the potential for a larger hazard area the damage may be so great that the project proposal may have to be scrubbed. In Scenario Three what would be the consequence of different degrees of pitches and the failure of the destruct device? Again, the rocket could return back to Kauai or some other island in the Hawaiian chain. The problem of a pitch in the wrong direction, particularity back over the island, and of the failure of the destruct mechanism to trigger termination needs to be explored and discussed in full with data to support various possibilities.

All three of the scenarios mentioned in the DEIS (4-52 and 4-53) lack supporting data. A confident statement is made that "if a flight is terminated, the effects will be confined and will not affect any populated areas of Kauai or Ni'ihau." (4-53). How can this statement be made with such assurance when, almost in the same breath, a subsequent statement is made that there is an over all system reliability of 97%. In other words, not only is there a probability of at least one early termination occurring, there is the probability of other scenarios happening, other than those stated in the DEIS. The consequences from these scenarios could be devastating for Kauai and for the State of Hawaii. Why are these worst case scenarios not mentioned in the DEIS? Uncertain and unknown impacts need to be explored thoroughly in an EIS. Full disclosure requires the discussion of all eventualities. Instead of such a thorough discussion, only confident and glowing conclusory statements are made in the DEIS.

Transportation of liquid hydrazine and nitrogen tetroxide (4-58 through 60) under certain circumstances will be by an overland route from Port Allen to PMRF via Route 50. Safeguards on Route 50 are not adequately covered in the DEIS. Specific steps to protect the public from accidents, leaks, and spills need to be spelled out. Even with safeguards established, there will still be grave reservation about the use of Route 50, for Route 50 is the one and only roadway between Port Allen and Kekaha.

The effect upon lands adjacent to PMRF caused by propellant spills adds another dimension to the issue of incompatibility of intermediate range rocket launches from PMRF and the use of lands neighboring PMRF. Propellant spills add to the risks of further blight on the value of the neighboring lands. See, for example, Figure 4-10 (DEIS 4-69).

Socioeconomics

The discussion of socioeconomics under Section 3.12 (3-48-52) and Section 4.12 (4-73 and 4-74) needs modification. The space devoted to PMRF's employment activity is disproportionate to the space devoted to that of other employers on Kauai. The importance of PMRF's contribution to the economic life of Kauai is overstated.
and suggests that without the SDI launches, PMRF will close down. In fact, outright statements to that effect have been circulated in the community by proponents of SDI. The contribution to the economy of Kauai that the SDI launches would have, not the contribution that PMRF has had prior to the SDI launches, is the issue at hand.

Several questionable items exist in Section 4.12.1 (4-73). The DEIS states that "Given personnel expenditure profiles, four launches a year could generate up to $0.9 million annually in additional spending in the surrounding communities." This figure appears over-inflated, but without economic analysis, it is difficult to make any comment. The DEIS requires a more detailed economic analysis instead of the lengthy write up on PMRF.

Similarly, a survey should have been conducted on the effect on tourism should an accident occur during an SDI test launch. Comprehensive data should have been presented on this very important question instead of just a parenthetical conclusive statement that the Challenger disaster had no effect on tourism in Florida.

CONCLUSION

The DEIS fails to meet the standards of an objective and properly documented environmental impact statement. Until the issues are properly addressed, no launches should be allowed.

Respectfully submitted,

Clifford L. Arinaga

TOM NORRIS
P.O. Box 628
Kekaha, HI
96752

STATEMENT PREPARED FOR THE STS HEARING ON THE DRAFT EIS

My name is Tom Norris and I am a researcher affiliated with Moss Landing Marine Laboratories in California. For the last two years I have been studying humpback whales off the southwest coast of Kauai, including the waters off PMRF. This study is part of a four year effort initiated by Sal Cerchio, a research associate also from Moss Landing Marine Laboratories. Our research is the only work of its kind which has been performed on the island of Kauai investigating humpback whales. Although data from this project has yet to be fully analyzed, I feel that it is important to present some of it here, as it is some of the only data for the waters directly off PMRF/KTP.

I have reviewed the draft EIS and am concerned that there are some serious deficiencies regarding potential impacts on the federally protected and endangered humpback whale.

My specific concerns are as follows:

Section 3.4.3 - a summary of relevant humpback whale information:
- The first paragraph presents outdated information about concentrations of whales in the Hawaiian Islands from an aerial survey study performed from 1977 to 1979 by Baker and Herman(1981) from the University of Hawaii.
  - It states "they recorded 41 whales in 1977, 40 whales in 1978 and 133 whales in 1979."
  - These data are grossly misrepresented because the figures represent absolute counts from the survey. These raw data were never intended to be used directly to represent population sizes of humpback whales. They were obviously intended for the purpose of comparing relative concentrations of whales among different areas in the Hawaiian Islands.

In the third paragraph of the same section(3.4.3.2), the draft EIS again inaccurately presents information about concentrations of humpback whales, stating:
The Navy proposes mitigation with respect to humpback whales. I would like to commend the ARMY on their proposal for mitigation measures. As Section 4.4.4.3 states:

"Prior to launch, the US Navy will survey the first stage impact areas and the launch safety zone. Any whale or sensitive species observed in this area will cause the launch to be delayed."

-Figure 2-12 of the draft EIS shows the safety zone extends approximately 3 nautical miles from the shoreline of KTF.
-It is apparent when examining Fig. 3 of Mobley and Bauer's study (1991), this region coincides with the area of highest concentration of humpback whales off Kauai.
-The results of the aforementioned studies and my personal observations strongly suggest that concentrations of whales are so high that it would make it unlikely not to sight whales in the established safety zone during the wintering period for humpback whales (Dec. - April).

-This would therefore preclude any launch of missiles during this period.

I am concerned that the U.S. ARMY SDC could circumvent this problem by using unqualified personnel to sight whales. As section 4.4.4.3 states:

"Prior to the launch, the U.S. Navy will survey the first stage booster impact areas and the launch safety zone."

Therefore, I strongly urge that the ARMY uses experienced observers to survey whales and other marine mammals. The National Fisheries Service and the U. of Hawaii have access to many qualified personnel with necessary qualifications and experience.

Additionally, I would like to propose that the ARMY use PMRFs and the NAVY's excellent acoustic monitoring equipment already deployed in the region to verify if whales are in the area. Our research indicates that wintering humpback whales sing almost continuously throughout the breeding season. Whale songs in the area would indicate presence of whales which may not be detectable from surface observations.

Another inadequacy of the draft EIS is the lack of any mention of potential effects on humpback whale mother/calf pairs. Recent research has demonstrated that mother/calf pairs are especially susceptible to human-related disturbance (Glockner-Ferrari, 1991). Since it is also well known that mother/calf pairs prefer very near-
shore, shallow water, usually less than 10 fathoms, it would seem
very likely that disturbance related to STS could negatively impact
whales. Such impacts include effects from boat activity related to
clearing the nearby safety zone and transport of fuels and related
chemicals via boat and/or landing craft.

Furthermore, no mention of increases in boat traffic affiliated either
directly or indirectly with the launch is mentioned in the draft EIS.
This also has the potential to have an impact on humpback whales
especially when considering that, as with all whales and dolphins, their
primary sensory mode is acoustic.

Finally, as a marine biologist I am concerned about impacts to other
marine mammals which we know rely heavily on the area around
KTF/PMRF. Bottlenosed dolphins, spinner-dolphins and spotted
dolphins all of which are protected under the Marine Mammal
Protection Act, are frequently sighted in the area.

Considering the inadequacies and misrepresentations in the draft
EIS I support the no-action alternative and propose that no
further missiles be fired from PMRF or KTF until the issues
are properly addressed.

Signed
Tom F. Norris

Literature Cited


Forrestell & Mobley 1991. 1991 Aerial survey of humpback whales
on Hawaiian wintering grounds. Annual Report to N.M.F.S.

humpback whales on the Hawaiian wintering grounds: 1990 aerial
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the Biology of Marine Mammals, Dec. 5-9, 1991, Chicago, IL.
April 20, 1992

Lt. Gen. Robert D. Hammond, USA
Commander, U.S. Army Strategic Defense Command
P.O. Box 15280
Arlington, Virginia  22215

Dear General Hammond:

The following comments have been sent to me with respect to the Strategic Target System (STARS) program and the STARS Environmental Impact Statement (EIS). I am forwarding these comments to you because I think it is important that the Department of Defense (DoD) have the broadest understanding of the feelings of the citizens of the State of Hawaii on these matters. I also would appreciate it greatly if the Army would consider and address, as part of the "public comment" process, those statements which raise specific concerns regarding the Draft EIS. Please keep me informed about your specific responses to these statements.

Thank you for your attention to these important matters.

Sincerely,

Daniel K. Inouye
Chairman
Senate Appropriations
Subcommittee on Defense
To: Daniel K. Inouye, Senator
       U.S. Senate
       Washington, D.C. 20510

       6/4/92

       Senator Inouye,

       I have been a resident of Hawaii for almost nine
years. I live on the Island of Kauai and I'm against
the installation of the "Star War" program on that Island.
I feel that there are too many dangers including the
transportation of dangerous chemicals on our roads,
the contributing of deterioration or depletion of the ozone
due to the recent (1983) being released in our
atmosphere by the missile launches and most of all
because of the continued use of the Marshall Islands as
the target area. It's heartbreaking to know that the
Marshallers people have been forcibly taken from their
hometown and housed like sheep into a small confinements
the size of Ala Moana Shopping Center.
I was shocked and disappointed by the
special interest groups who submitted
comments and testimony in strong
opposition to the project. The National
Oceanic and Atmospheric Administration
(NAO) and the National Marine
Fisheries Service (NMFS) submitted
comments that were very critical of the
project. They stated that the project
would have a significant impact on
marine life and would negatively affect
the local ecosystem. They recommended
that the project be rejected.

The EIS study, however, was
indefinite in its conclusions. The EIS
concluded that there was no
"significant impact..." on the
environment, including cultural
heritage, historical sites, and
natural resources. However, the
EIS did acknowledge that the
project could negatively affect
the local community and its economy.

I attended the public hearing and
was disappointed by the lack of
community input. The project
developers had already made
decisions and were not
interested in hearing our concerns.

I believe that the local community
has a right to be heard and that their
concerns should be taken into
account. I urge you to consider
these concerns and to reject the
project.

Sincerely,
[Your Name]
A Safety Net Full of Holes

It seemed like a good idea at the time. In a speech on March 24, 1983, President Ronald Reagan described his vision of a "Star Wars" defense system that would protect the United States from nuclear attack. He envisioned a network of powerful lasers and sensors to detect and destroy enemy missiles before they reached their targets. This "Star Wars" program would revolutionize the course of world history.

The defense system was designed to intercept and destroy incoming strategic ballistic missiles before they reached their targets, an idea which hailed back to the end of World War II, when it was announced that the atomic bomb was the key to winning the war. However, the actual implementation of the defense system was not as straightforward as it seemed.

The system was designed to detect and destroy incoming missiles as they entered the atmosphere, using a network of early warning satellites and ground-based lasers. The idea was to create a "shield" that would prevent any enemy from launching a missile that could reach the United States.

Initial plans for the program included the development of a theater missile defense system, which would protect individual cities and military installations from limited missile attacks. The goal was to create a "fighting force" that could respond to any attack with equal power.

However, the implementation of the system faced numerous challenges. The technology was not yet advanced enough to support the Star Wars concept, and the cost of the program was estimated to be several trillion dollars. Moreover, the project faced significant opposition from many countries, leading to a "missile gap" between the United States and the Soviet Union.

In addition, the project was plagued by mismanagement and cost overruns, leading to a major loss of confidence in the program. By the time the program was canceled in 1993, the cost had reached over $20 billion, and the program had been abandoned.

Despite the challenges, the Star Wars program was a significant milestone in the development of missile defense technology. It was a symbol of the United States' commitment to protecting itself from potential threats, and it set the stage for future developments in the field.
Whistleblower Wins Study of ‘Star Wars’ Program

A Congressman wants a delay in the dismissal of a scientist.

Mr. Sauers efforts to have the Army s constraints about the dismissed scientist properly dismissed.

The study was ordered in 1989 by the Federal Office of Science and Technology, which said it had written a report on the effectiveness of the “Star Wars” program.

Army leaders also wanted a delay in the dismissal of a scientist.

Mr. Sauers efforts to have the Army s constraints about the dismissed scientist properly dismissed.

The study was ordered in 1989 by the Federal Office of Science and Technology, which said it had written a report on the effectiveness of the “Star Wars” program.
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Responsible Citizens for Responsible Government

Points to Consider Regarding the Star Wars Programs on Kauai

Public pressure can and will derail these launches. The next step is to speak out at the army's Public Hearing on March 24 and just say NO to missile launches on Kauai! KAUAI IS TOO PRECIOUS TO RISK EVEN ONE ACCIDENT!

CRISIS AT EBEYE: Certainly one of the most critical issues to discuss when considering Stars/EDX programs is their impact on our neighbors in the Marshall Islands. Forced from their home islands in the 1960’s to make way for missile testing, the Marshallese on Kwajalein Atoll are now restricted to a single, tiny island called Ebeye just outside the target zone. With over 10,000 people crowded onto just 86 acres (Kauai Community College is 100 acres), Ebeye Island is one of the most densely populated spots on Earth and has gained the distinction of "Ghetto of the Pacific". Their native lifestyle gone, subsisting on Spam and Budweiser, and yearning for a return of their land and traditional lifestyle, citizens on Ebeye sent urgent faxes to Responsible Citizens for Responsible Government imploring citizens of Kauai to oppose the STARS program. Can we support a program that "claims" to provide a "Peace" shield while inflicting such a toll on our neighbors?

ECONOMIC IMPACT: On Kauai our environment is our economy. The E.I.S. essentially ignores the significant impact on our tourist based economy if there were a catastrophe related to this program.

Responsible Citizens for Responsible Government, PO Box 1440, Wailua, HI 96793
Phone: (808) 826-9021
Fax: (808) 826-7425
Responsponsible Citizens for Responsible Government

SDI - LINGERING DOUBT 30 billion dollar has been spent to date on SDI with little or nothing now. Now we are seeing more support for SDI because they think it will prevent another attack like Pearl Harbor. They feel that SDI is the key to saving America from a back.

EMOTIONAL AND PSYCHOLOGICAL IMPACT: What will the emotional and psychological impacts be to citizens on Kauai as they realize that Kauai has become a primary strategic target? If there is a catastrophic launch? If military escalation continues?

CULTURAL HERITAGE: The launch pad sits on Nohili Dune - the most sacred spot on Kauai to native Hawaiians. As Nanette Slaven Kaumoana pointed out in a letter to the Garden Island: "It does not matter how many bones are found buried in Nohili dunes. What matters is that burials did occur there because it is the one point on all of Kauai considered the pathway to Eternal Life.

The Army has responded that "through established procedures they will reduce the risk that may occur to cultural resources." Depending on who you speak with, those 'Cultural Resources' may be your great-great grandparents. But haven't they missed the point? Nohili dune is culturally significant. It is sacred land. How do you measure 'sacred'? Certainly not with the instruments the Army used to produce the EIS.

Washington, D.C. 10.10.1162

Dear Senator Inouye,

I am writing to you today because of my strong feelings against having strategic target system launchers on Kauai. The EIS does not adequately address my concerns for the nuclear test. I highly regard the Newell seawaters, the whales and the Nukalei Tongue tennis. Now does this address my concerns for the people on Kaualei and Kahealani at all. Now does this EIS adequately address what if an accident occurs and all the negative impacts to us here including the economic impact on the tourism industry. Plus this EIS was done by the Army.

Thank you for whatever you can do to stop this project.

Sincerely,

Mary Ann Kelley
461 Waikele Rd.

U.S. 1 1162
Senator Daniel Inouye  
722 Hart Senate Office Bldg. 
Washington, D.C. 
April 7, 1992 
Aloha Senator Inouye,

As a resident of Kauai, I am writing to you to express my opposition to the implementation of any SDI or "Star Wars" missile testing on this island. It is simply inappropriate to the character and ambiance which this island represents in the hearts of our people, both in Hawaii and across the nation.

At a time when we are donating billions of dollars to our former ally who is making a defense program, it seems strange that we would be spending billions on such a program here. It is not only inappropriate, but it is also a great concern (of danger to its inhabitants) with the transporting of dangerous materials.

Thank you,

Sincerely,

Kay Doby
April 6, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft EIS of the U.S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on our ozone layer has not been properly addressed within your EIS. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.

4. I do not want my tax dollars to perpetuate human rights violations upon the people of Eleele.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that

Sincerely,

Ben Drane
P.O. Box 720
Hanalei 96714

cc: Henry F Cooper, Director of STARS
    Mayor Jeanne Auchus, County of Kauai
    Senator Daniel Akaka
    Representative Patsy Mink
    Representative Neil Abercrombie
    Governor, Kauai Times
April 3, 1992

The Honorable Daniel K. Inouye
United States Senate
722 Hart Senate Office Building
Washington, D.C. 20510

Dear Sir:

I am writing to you again to express my opposition to the STARS Program. I recently stated my opposition at a public hearing on the Draft Environmental Impact Statement in Lihue, March 25, 1992. I wish to express them directly to you at this time.

There is significant opposition in Hawai'i, and on Kaua'i, to the use of the Pacific Missile Range Facility at Barking Sands as a launch site. This opposition has many different components:

- The environmental impact of the program, including the potential damage to the ozone layer.
- The imposition on the rights of native Hawaiians, including spiritual concerns — shared by others — over the use of Kaua'i for the program.
- The impropriety of using the Pacific Ocean as the target, including the harm being done to the Marshall Islanders — a people who have already paid a high price for our use of the Pacific Islands as nuclear test sites.
- Safety concerns over possible launch accidents and the transportation of dangerous materials, such as Hydrazine, over local roads — an option the military has pointedly not ruled out in its DEIS.
- The impact on the tourist industry, particularly in the event of an accident.

Then there are the more general concerns over the STARS and SDI programs:

- Many reputable scientists question whether the goals of the program are at all feasible. These questions have been given greater credibility by the recent revelations that the Patriot Missile did not, in fact, work as well as the White House public relations staff would have us believe.

- The STARS and SDI programs are extremely costly, in a time of budgetary constraints resulting from massive deficits and significant unmet domestic needs.

Given these concerns, it is time for a careful reassessment of the purpose of the program, and whether that purpose justifies the expense and risk. STARS is part of program designed to guard against Intercontinental Ballistic Missile attacks. But who is going to be making such an attack? Not the Russians: They are no longer our enemies, and want financial aid from us, and our assistance in disarming their military. Not the Chinese: They are more concerned over losing most favored nation trading status than anything else. I presume we are not expecting an attack from the English or the French, or the space programs of India or Japan.

That leaves a Saddam Hussein-type. But if someone like him obtained nuclear weapons, he would not wait the years necessary to develop an ICBM and risk a launch failure, when small planes or boats are available. Indeed, once the hurdle of obtaining fissile material is overcome, building a nuclear weapon is no major technical feat — we did it with 1940's technology.

By contrast, building an ICBM is a difficult task, involving inertial guidance, materials, fuel, etc. Even then, accidents do happen, as our own failures (both in the beginning of the space program and in more recent years), the failures of the European Space Agency Ariane program, and the launch failure last month in China, constantly remind us. What dictator would wait so long, spend so much, and risk so much, when every night drug smugglers demonstrate how easy it is to sneak a plane into the US?

Given the many concerns listed above, spending billions of dollars for protection from a non-existent limited attack is an inexcusable waste of scarce resources. I urge you, in the name of scientific and fiscal responsibility, and aloha aina, to lead the fight against this unjustified waste of taxpayer dollars.

Thank you for your consideration.

Very truly yours,

[Signature]

Scott I. Butterman
April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered a location if this were not the case!

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Twana S. Fernandez
4460 Ilima #31
Kalaheo, Hi 96741

19 March, 1992

Dear Senator Inouye:

I recently viewed a film titled "Home on the Range." This documentary portrayed the history and life of the Kauai residents. The United States military activity and treatment of the native peoples of this area is deplorable. The residents of Kauai Island (more people squeezed into little more than 10 square miles!) do not want any more missiles launched to Kauai. For a mere 2-3 miles from their homes, they have written a letter of appeal to Denver seeking to do our part to keep more missiles out of their back yards.

Surely the need to protect our health & well-being on Kauai, we also need to, in good conscience, be sympathetic to our pacific neighbors.

Please continue to support efforts to stop the Star program in Hawaii. Thank you this much, Senator Inouye.
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

Aloha Senator Inouye,

I am writing to add my voice to those who oppose the planned SDI testing here on Kauai.

SDI is a system that won’t work designed to defend us against an enemy that doesn’t exist. It’s outrageously expensive. We have far more pressing problems in America than the development of another high-tech defense system. While no one doubts that there are still dangerous people in the world, SDI will do nothing to protect us from them. Money spent on defense should go to practical, workable systems. Money left over, the so-called “peace dividend” should go to resolving the problems of homelessness, drug abuse, crime, AIDS, pollution, and to improving our educational system.

Please Sen Inouye, vote NO! on the SDI. Mahalo.

Sincerely,

William M. Grier
3787 Mo’oohiki St.
Lihue, HI 96766
March 26, 1992

Senator Daniel K. Inouye
Room 722 Hart Senate Office Building
Washington D.C. 20510

Dear Senator Inouye,

Kauai's environment is our economy. One accident would be devastating to our tourism revenues and real estate values.

Please stop the military escalation on Kauai. We do not want Stars missiles launched from our island.

Sincerely,

Dick Franksca
B. Franksca
P.O. Box 930
Hanalei, HI 96714

The Honorable
Senator Daniel K. Inouye
U.S. Senate
Washington, D.C. 20510

Dear Senator Inouye:

While the DEIS is substantive, it still fails to address a few issues of direct importance to Kauai. My perception is that, for the Military, Kauai is merely a conveniently located, geographically correct, launching pad for STARS, a program which, to many of us, is of dubious value to the promotion of global peace, and which is detrimental to the Marshallese at the receiving end of the trajectory.

This week I attended the public hearing at the Convention Center in Lihue, a meeting seeking community input regarding the Draft Environmental Impact Statement (DEIS) on the Strategic Target System (STARS) program. I am deeply disturbed.

This issue is corroding the island. The workers at the Pacific Missile Range Facility (PMRF) at Kauai Sands equate the viability of the base to the approval of STARS. Thus, if one is against STARS, one is automatically branded anti-PMRF, an unforgiving person who does not care about the well-being of PMRF employees.

I feel that the beautiful spirit of this island is threatened by the specter of the STARS program, which hangs like a dark cloud over this precious land.

Global peace is desired by all of us. The question is: is the STARS program the way? Should we not seek other ways toward that end?

I beg you to take these concerns to heart.

With Aloha,

Respectfully,

Maria C. Snyder

Kapa'a, HI 96746
March 25, 1992

Senator Daniel K. Inouye
Room 722 Hart Senate Office Building
Washington D.C. 20510

Aloha Senator Inouye,

The citizens of Kauai do not want Star Wars missiles launched from Kauai.

Thirty billion dollars has been spent to date on SDI with little or nothing to show for it. Please stop funding this program immediately and start spending these funds on more relevant programs (i.e. education and housing).

Sincerely,

Pamela Palmer
P.O. Box 238
Hanalei, HI 96714

To Whom It May Concern,

I recently relocated to Kauai Hawaii and would like to express my opinion concerning Star Wars Missiles. I find it highly offensive that our Government would deem it necessary to spend these experimental rockets knowing the apparent side effects that we would be exposed to in the aftermath.

As a citizen of the United States I strongly suggest those representing my political beliefs to vote against the Star Wars Program.

Sincerely,

Lisa K Ross
P.O. Box 1263
Koloa HI 96756
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

AND A STOP ON STAR MISSILE LAUNCHES FROM PURU

M. Harris

U.S. Senator
Washington, D.C.

Dear Senator, 20510

I am a current resident of Kauai and lived on the island for the past ten years. I was truly uninformed about the proposed Star Wars Missile testing. Somehow it did not sound right to me, so I had to get informed.

Kauai is a small island, a small inhabited island, with people living on it although I guess humanity is not an issue here. After all look what we have done to the 10,000 Marshall Islanders who were taken off their land, only in later years to suffer diseases, suicide, and death.

One human error and then what to say about the economy, the vegetation, the life... that still remains one of the only places left that is still unspoiled!

Kauai has always been a very spiritual place to me. I've seen and been through alot here. It is a testing ground for our souls not for missiles. How else we allow launches off the sacred grounds of Nohili Drive.

Obviously, Capital Hill does not know about the power of this island and its Hawaiian people.

I beg of you to stop this madness before it begins! Right Now!

Lana Perreira
March 27, 1992

Senator Daniel K. Inouye
Room 722 Hart Senate Office Building
Washington D.C. 20510

Aloha Senator Inouye,

Thirty billion dollars has been spent to date on SDI with little or nothing to show for it. Please stop funding this program immediately and start spending these funds on more relevant programs (i.e., education and housing).

The citizens of Kauai do not want Star Wars missiles launched from our island.

Sincerely,

Joseph Thomson
P.O. Box 238
Hanaelei, HI 96714

Dear Senator Inouye,

I recently went to the EIS Star Wars Hearing on Kauai (where I reside).

In short please note that I am opposed to the plans to test Star Wars. It is my opinion that it is unhealthy for our environment and out of step with events in the world and our horrendous budget deficit.

Thank You.

Edward DeDeDe
Dr. Edward DeDe, D.C.
3707 Pono Rd
Kauai, Hi 96738
United States Senate
Washington, D. C., April 9, 1992

Respectfully referred to
The Honorable Daniel Inouye

(unacknowledged)

Dear Senator Nunn,

I live on the island of Kauai and am the mother of two young sons. I would like to see the STARS program stopped before it begins. The reasons are clear, we here on Kauai have a clean pristine environment and are working to keep it that way. The STARS program is a threat to this. No one can say what will happen if these 20 year old missiles are launched, but the experts agree there is a 50% chance of misfire. Along with human error, other mechanical failures, spills, leaks and spewing of rocket fuel onto our air, water and land, I hope you can see the senselessness of this project. I am not against arming ourselves and protecting our country. Please do not let this or any of the planned missile launches happen here on Kauai. This is a vacationer's paradise, and our main source of income. (I meant to say tourism is.)

Isn't there some way the armed forces can disassemble these rockets (missiles) and re-use the parts for something else? I have a feeling that this project is geared to getting rid of those things. Yes, I know about the EIS study, but as far as that goes, I haven't much faith in that report.

Please do what you can to stop the STARS program from starting on Kauai. I would not feel safe living here any more if this foolish game is allowed, did I mention dangerous? Thank you for your time and attention to this matter.

Sincerely,

[Signature]

67-746 Kauai, Hi 96746
I am a resident of Kauai. I oppose the proposed launching of STARS missiles from Kauai. I also oppose the entire STARS program.

1. You requested an independent EIS and be performed for Boeing and the Army conducted their own EIS. If they won’t even follow your request for the EIS, what else will they do independent of control?

2. The world situation that prompted the STARS program is no longer occurring. It is not necessary to have such a defense system anymore.

3. Given our present economy, it is foolish to spend billions of dollars on a project that is not necessary and very probably will not be effective.

4. The potential for ecological harm to Kauai which directly causes economic harm, is too great.

Please oppose this project with all the power you have available.

Sincerely,
Richard Sherman

Senator Daniel Inouye
US Senate
Washington DC

STAR WARS MUST GO! I JOIN THE RAPIDLY GROWING NUMBERS OF KAUAI RESIDENTS IN OPPOSING THE VERY THOUGHT OF ESTABLISHING A TESTING AND/OR OPERATIONAL BASE FOR SDI ON THIS ISLAND. MY REASONS GO FAR BEYOND CONCERNS FOR A SMALL AND FRAGILE PACIFIC PARADISE. THIS IS A SMALL AND PRECIOUS WORLD AND IT IS BARELY TIME FOR US TO COME TO OUR SENSES AS A NATION, AND REALIZE THAT IF WE ARE TO REMAIN A WORLD LEADER, WE MUST PRACTICE HARMONY RATHER THAN DOMINATION. WORLD ORDER WILL NOT COME THROUGH ACTS OF WAR! SDI IS A旗ENT DEMONSTRATION OF POWER MANIPULATION BY PRO COLD WAR STRATEGISTS WHO ARE SAYING THE COLD WAR IS OVER OUT OF ONE SIDE OF THEIR MOUTHS, WHILE TRYING TO FEAR UNSEEN MONSTERS WITH THE OTHER.

IF MANKIND IS TO SURVIVE, WE WILL DO IT BY PUTTING OUR ENERGIES INTO CREATIVE EMBEVARIES. IF THE UNITED STATES SURVIVES, IT WILL BE BY DEMONSTRATING OUR WILLINGNESS TO LIVE IN HARMONY WITH ALL NATIONS AND ALL PEOPLES. IT’S TIME TO PUT IT ON THE LINE.

Your's for a better world

Charley Love
Honorable Senator Swine
U.S. Senate
Washington, D.C. 20510

Dear Senator Swine,

I am so concerned and my heart feels heavy for various reasons. I have been raised here in Hawaii, I am 52 years old, a wife, a mother, and a citizen of this planet. The issue that is causing me such concern is the proposed Star Wars testing on this island, and the division occurring amongst the people regarding this issue. This division was so apparent at the hearings. As a mother and a steward of the Earth, I am saddened by such deep family fights.

I do not want to see this garden island as a launching pad for antiquated and dangerous polaris missiles. Further, the proposed Star Wars missile systems seem a waste of taxpayers' money, considering the recent developments in Europe and the Soviet Union. Not only will this island be impacted, the oceans around it will be, as well as the people in the Marshall Islands. The role we have played in regards to abusing these

Islands is a national embarrassment. I vowed to go on you, there is the issue of the Hawaiian lands, on which PMRF sits at Pearl. We need to preserve this special area pura, as a valuable gift to give our children, our future.

Please, Senator, use your power as head of the Defense Appropriations Committee to stop the proposed Star Wars missile launching on pura, and to the Star's programs. NOW, Senator Swine, I am a calm, peaceful person, the extreme anger I feel, with what is being proposed, is the impact on our living island and its people, is unwelcome to me. I want to be heard and understood. There is a thunderous voice arising in this land—this nation—saying "Enough!" Can "Big Government" hear it? Please share to the inner feelings of the people on the island that come from the gut.

Respectfully,

[Signature]

P.S. Box 1139
Kula, HI 96794

ClibPDF - www.fastio.com

SENATOR DANIEL K. INOUYE
722 HART SENATE OFFICE BLDG.
WASHINGTON, D.C. 20510-1102

Dear Senator Inouye,

I am very much against having the Stars Project on Kauai. Kauai's beauty and aloha attracts thousands of visitors from all over the world every year. Having a missile launching site on this island will dramatically change Kauai's image and will negatively affect our economy. We all depend on the visitor industry and turning Kauai into a missile site will turn visitors away. Please protect our island’s beauty and economy. No stars on Kauai!

Sincerely,

[Signature]

Anne English
P.O. Box 1280
Kalaheo, KI 96741

Date: April 9, 1992
To: S. Shibao, M. Casselby
From: J. Shibao
Kathleen Strand
P.O. Box 397
Houle, Hawaii 96710
808-334-1804

She is against Stars Program, she felt that it should be more public for the people to get in and with it and that it shouldn't be only the decision of the defense. Waits a response.
April 6, 1992

The Honorable Daniel K. Inouye
Senate Office Building
Washington, DC 20510

Dear Senator Inouye:

My credentials: I'm a 72-year-old Mainland-born, caring voter who believes that my vote counts. I've voted in every election for which I was eligible since I reached voting age. I've cast my vote in every primary and general election on Kauai for over 21 years, including one absentee ballot.

I ask you to speak for the many citizens of Kauai who fear the impact of the Stars program on our "laid back" island.

Many of my friends work at PMRF. I do not want their lives as well as mine to be in jeopardy.

My plea is from the heart—others will surely provide you with all the statistics.

Please bring your far-reaching influence to bear for those who champion a Garden Island without Star Wars.

Sincerely,

Patricia B. Spillane

3/31/92

Senator Inouye

Please help us stop the military from relocating the Stars missile program on our beautiful Island. The majority of Kauai residents do not want it here. Please read my card. Thank you present last seed not growing in India.

Sincerely,

Patricia Feely
Oral Testimony presented Wednesday, March 25, Kauai War Memorial Convention Center
Given by Gabriela Taylor, 5620 Keapuna Road, Kapaa, HI 96746

I come here tonight as a 20-year resident of Kauai who cares about the quality of life on our beautiful island. For that reason, I am against the STARS Missile Program. This island is a place where hundreds of thousands of people come to rest, to rejuvenate, if you will, to heal mentally and physically. Therefore, I speak tonight also as a health professional.

I feel that the presence of a STARS Missile Program on this island would represent the hand of death, a sinister shadow hovering over this life giving island. I would like to quote from the STARS Environmental Impact Study, pg. 4-57 through 4-59, referring to the effects of rocket propellants on the human biological system.

"Hydrazines are toxic and corrosive to the skin. In contact with raw, the liquid may auto-ignite at temperatures as low as 73 degrees Fahrenheit and present a very serious fire hazard. Hydrazine is a suspected human carcinogen. Besides liver damage it can cause pulmonary edema and damage to lungs, kidneys and blood.

The propellant, nitrogen tetroxide is highly corrosive to human tissue: Its vapors may cause permanent injury, primarily in the form of burns to the tissue of the pulmonary tract."

I am horrified to think of the possibility that such poisons would be transported on our island roadways. For that reason alone the STARS Program is contraindicated for the health and well-being of Kauai’s people. There are many more reasons, however. The program should be stopped because of the detrimental effect of fumes released during the launch. It would further destroy the stratospheric ozone layer which protects us from UV rays that cause skin cancer. The EIS does not deal with this problem adequately. The EIS should not be used as a document to decide the fate of the STARS Program.

How would the military feel if the EIS was done by the Mayor’s office or perhaps the Sierra Club of Kauai? Any visible and credible study must be done by an impartial party not attached to either side. The EIS as it stands is not acceptable.

I want our Garden Isle to remain the gift of life and health to residents as well as visitors from around the world.

I say no to STARS Missiles, no to death.
I say yes to life - Yes to Kauai!

Aloha

Gabriela Taylor
Deputy Commander
U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3801

Attention: CSBD-EN-V (D. R. Gallien)

Re: Strategic Target System Draft Environmental Impact Statement

Dear Sir:

A family whose breadwinner is out of a job, deeply in debt and learning to exist on unemployment benefits must quickly learn to prioritize spending. It is not difficult for them to separate their basic needs from luxuries and to spend accordingly in order to survive. We as a nation are like that family. We are in a recession with a record deficit and must learn to prioritize. We must learn to spend on only our most basic needs and not on luxuries that we cannot afford. STARS is such a luxury. It is unnecessary as it is expensive. We are in peace, not war. The only nation that has the capability of long-range missiles is now no longer an enemy but a friend. That nation is itself, according to a recent article in the Honolulu Advertiser, considering stopping all missile testing due to ozone depletion, which is a worldwide concern.

As to ozone depletion, we, here in Kauai, are already experiencing ozone depletion. We cannot afford to have it further depleted by STARS. It cannot be restored once it is depleted. We cannot subject ourselves to the danger such a depletion would endanger to ourselves, our family and friends. Also, our tourist industry would cease to exist if that happened as our island would no longer be fit to live on, let alone visit.

The EIS does not address what would happen in the event of an accident. What are the measures that will be taken if a missile misfires or goes on an incorrect trajectory. What if it hits Nihau, or falls over a populated area of Kauai. The greatest casualties our nation suffered in Operation Desert Storm was from our own Patriot Missiles and the debris that fell on the barracks containing our men and women in the service of our country. This could be our island and our people here in Kauai and Nihau.

Lastly, although the Marshall Islands is not part of our nation, it is a friendly island nation that we have damaged and will continue to damage with STARS. They do not deserve this. They have treated us as friends, and we have repaid them with inhumes treatment and apartheid. If you have not the film "Home On The Range", please do so. It is a testament to our failure as a nation to respect another nation and its people. We take pride in our nation...
Carmela Tuck
P.O. Box 376
Koloa, Kauai, HI 96756
(808) 742-9618

Senator Daniel Inouye
United States Senate
222 Hart Senate Office Bldg.
Washington, D.C. 20510

Re: S.K. S.D.

Dear Senator,

First of all, I do support the Pacific Missile Range Facility, but I do not support S.K. S.D.

1. The Pacific Missile Range Facility is located near the town of Koloa, Kauai, Hawaii. The potential environmental impact of the facility may be significant.

2. The Pacific Missile Range Facility is a key component of the nation's national security strategy. It is a critical facility for testing and evaluating the capabilities of our military forces.

3. The Pacific Missile Range Facility is a key component of the nation's national security strategy. It is a critical facility for testing and evaluating the capabilities of our military forces.

4. The Pacific Missile Range Facility is a key component of the nation's national security strategy. It is a critical facility for testing and evaluating the capabilities of our military forces.

5. The Pacific Missile Range Facility is a key component of the nation's national security strategy. It is a critical facility for testing and evaluating the capabilities of our military forces.

Thank you for your consideration.

Sincerely,

Carmela Tuck
Dear Senator Inouye,

I am writing to you today because of my growing concern about the Star's Program. It is only been since the Russian-Ball presence that the defense has gone out of sight. The Star's Program is a major reason for this. The project should be stopped for this reason alone: 38 billion dollars, nothing for it, a 1.5 billion dollars, and another 48 billion dollars. We need to stop this nonsense now. Before the defense.

The Star's Project is designed to stop the Russian-Ball, ballistic missiles, for a country to come up with. Our ICBM is equivalent to a Russian 3.4 billion dollar program which takes years of research and money. Which country has the kind of technology and money to stop in Russian? The United States has the kind of technology and money to stop it. If this is a threat to the country, it will be coming to an end.

I am a property owner of the island of Kwajalein, where the Army is interested in launching. If it is a threat to my home, I want to know if there is a way to stop this threat to the United States. I strongly oppose this Star's Program, and urge you to use your power to stop this threat to our soil.

Thank you,

Peter H. Healy

1950-C
I am writing to you in regards to the STARS program on Kauai. I am very much against the STARS program. My reasons are:
1. STARS is not safe.
2. STARS is damaging to the environment.
3. STARS costs too much money.

First of all, I don't think that STARS is safe enough and many noted scientists agree that STARS is very unlikely to work. The Army keeps insisting that the 20 year old Polaris missiles are completely refurbished and have a 97 percent reliability rate. The Army also tries to reassure us that there has never been a detonation or explosion of Polaris booster in flight. Contrary to these "facts" given by the Army, there has been termination of two rocket launches. Last December there was a rocket explosion at White Sands, New Mexico. More recently, at Cape Canaveral a guidance missile, similar to the one to be used at PMRF, had to be destroyed shortly after liftoff. Cape Canaveral has a safety area of 18,000 square miles, while PMRF only has a 10,000 square foot safety area.

Secondly, the EA and EIS state that there will be no significant impact on the environment. I do not believe that at all. For one thing, there are freons in emissions from the missiles. Freons have similar properties as CFC's. Researchers from NASA blame CFC's for depletion of the ozone layer. Also, chemicals such as aluminum oxide, hydrazines, and hydrochloric acid will be in the payload of the missiles. These chemicals are known to cause death and disease in plants, animals and humans. Medical research has linked aluminum to Alzheimer's disease. Further more, hydrochloric acid is a deadly gas to humans. Recently, a California highway was closed due to a spill of hydrochloric acid. Also, exposure to chemical emissions from STARS missiles can cause respiratory problems.

Finally, I think the STARS program will cost too much money. I have seen figures as high as $75 billion dollars! I do not want any of my hard-earned-tax-paying-money to be spent on STARS. I do not think the government has the right to be spending billions of dollars on STARS while there are millions of homeless people in the USA; while there is still no cure for AIDS or cancer; while most of the children in the USA live in poverty; or while most of the citizens of the USA have inadequate or no health care.

In summary, I think that the STARS program should be scrapped! The USA needs to be using its money, resources and time for the tangible benefits of all its citizens. Finally, I think the military should remember that pollution knows no boundaries and that the citizens of the USA are not the only inhabitants of The Earth.

STOP STARS!

Brigid McBride
P.O. Box 1476
Kapaa, Hi. 96746
April 2, 1992
Dr. Robert M. Bowman is President of the Institute for Space and Security Studies. The recipient of the Eisenhower Medal, the George F. Kennan Peace Prize, the President's Medal of Veterans for Peace, the Republic Aviation Alipower Award, The Society of American Military Engineers' Gold Medal (twice), and numerous other awards, he is one of the country's foremost authorities on space, the environment, and international security matters.

Until July, 1982, Dr. Bowman was Vice President of Space Communications Company, and before that was Manager of Advanced Space Programs at General Dynamics. From 1974 to 1978, as Director of Advanced Space Programs Development, he controlled about half a billion dollars worth of space programs for the Air Force and other Department of Defense agencies, including what are now the "Star Wars" programs. Included in his responsibility were all the High Energy Laser developments for space, the development of advanced surveillance spacecraft, including radar and infrared satellite systems, and the development of advanced space vehicle subsystems (computers, solar panels, gyro's, thrusters, batteries, attitude control and navigation systems, etc.). During this period, Colonel Bowman also worked on space doctrine and strategy and established cooperative programs with other agencies.

Some of Dr. Bowman's previous positions were Deputy Director of Ballistic Systems (where he designed advanced ballistic missiles and warheads for all the military services) and Head of the Aeronautical Engineering Department and Assistant Dean at the Air Force Institute of Technology (where he initiated the Space Systems Design curriculum). From 1971 to 1974, Colonel Bowman was in charge of aeronautics for the European Office of Aerospace R&D in London, where he was responsible for Air Force and NASA contracts in Europe, Africa, the Middle East, and Southern Asia. He is a graduate of the Armed Forces Staff College and the Air War College. His military career included 101 combat missions in Vietnam, took him to 34 countries around the world, and resulted in some two dozen decorations.

Dr. Bowman is active in national and international professional societies and has chaired eight major conferences. He has preached at the National Cathedral and at churches of many faiths and has lectured at the National War College, the Army War College, the United Nations, the Industrial College of the Armed Forces, the Air Command and Staff College, the Congressional Arms Control Caucus, numerous ROTC units, and the House of Lords. The Los Angeles Times called him "probably the best public speaker in the country." His Ph.D. is in Aeronautics and Nuclear Engineering from Cal Tech.
Dear Senator Inouye,

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

April 4, 1992

This letter is to let you know that I and everyone I know are strongly opposed to the Star wars Program.

I understand the need for a strong defense, and am NOT opposed to SDI/SDF.

However, after having researched the type of missiles, and their age and the high possibility of an accident; I can understand the militance of those opposed to these launches. And would be willing to put myself on the line in demonstrations blocking their launches.

Please help us to stop these launches.

Sincerely,

Susan Clarke
P.O. Box 732
Killedy, HI 96754

Name __________________________
Address _______________________

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1300
Huntsville, Alabama 35807-3001

Dear Senator,

It is really time to stop making war. We don't live in the stars. We are here on our planet. We are not at war in the stars. We all want to live in peace. We and you. You are no place on this planet where these things are right to do, to suicide. Our right to live is at stake. Do you wish to die in a nuclear war? Because that is what it is all about. There must be good work to do instead of this business of self-annihilation. That is how I see it.

Name __________________________
Address _______________________

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3001
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

ALLS FAIR IN LOVE
AND WAR
PREPARE YOURSELVES.
FOR THE WILL
OF THE PEOPLE.

Name
Address
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callihan)
P.O. Box 1500
Huntsville, Alabama 35807-3801

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

Dear Senator Daniel K. Inouye,

I saw the documented film "Home on the Range" which shows how our U.S. "Starwars" program testing of missiles has destroyed the way of life of the Natives of the Marshall Islands, which have been forced on Ebeye. 10,000 people on a 65 acre island. I am totally against this terrible abuse of human lives and Nature and will do everything in my power to stop it. I hope you will find it in your heart to do the same.

Sincerely,

Alberto Rietfeld

P.O. Box 1494
Kualalani, H. 96714
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE Launches TO KAWAJALEIN ATOLL

DEAR SENATOR Inouye,
I was born and raised in Hawaii and my 15 years old. I am-certifying on You to do everything you possess the to stop and eliminate the horror of "Starks" Launches - both for the sake of my home island and for the sake of the Marshall Island People. Islands of the Marshall "ese People."

I will support you on this in any way that I can. Please sense the urgency of this situation and stop Stars Launches.

Mail the Malama Pono P.O. Box 857

Nalapa, Kauai, HI 96730

Signed,

Barbara H. Clark
Kauai Citizens Call for a Moratorium on Missile Launches to Kauai. We will not be used as a test base or wish to attack a foolish comming. Result from another nation.

Sincerely,

Robert C. Sawyer
Kauai, Hawaii
96754

Dear Sir,

I have just seen a photograph in the newspaper about Nuke Launches in the Marshal Islands. I found it most depresssing. It makes me ashamed to be an American. How can our Government and so cruel?

It's time to put a stop to this sort of thing.

I would like to urge you to work toward a moratorium on Missile Launches on Kauaiein Atoll.

As well as preventing anything like this from happening on Guam or in Hawaii. Lives & cultures are at stake. Thank you for your time.

Heidi Haag
Guam
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

1. SDIO/SDC and DOE all studied the Polaris A-3 between 1984 and 1985 as one of the boosters to be used in connection with placing Dr. Edward Teller’s recommended devices in space to counter the Soviet ICBM threat. As a result of these early studies, contractors reported to SDIO/SDC/DOE that the Polaris A-3 booster would perform reliably only 40% of the time. Following these results, as I recall, the Navy and supporting contractors were able to increase the failure rate of the First Stage and Second Stage modestly, but their V-t graph presentations did not demonstrate a success rate of greater than 50% in 1985. These results were all based upon data obtained from tests conducted between 1960 and 1964.

The reason for this high failure rate resulted from the tendency of the booster’s nozzle to stick a few seconds after launch. This problem destabilized the booster causing it to pitch and roll seconds after ignition in a manner that made it impossible to recover stability through a yaw (a roll-out maneuver). Although the Navy had reported to us in 1985 that it had resolved this problem as early as 1964, the contractors who briefed us provided contradictory evidence and data that made it impossible for us to verify the booster’s actual reliability.

We faced both the uncertainty of assessing a booster developed twenty-five (25) years ago, but also had to consider the effect that extended storage—for a period of years beginning in 1967 may have had on these boosters. We have to face the fact that each of these boosters could behave differently. See: DRAFT EIS for STARS, pp. 2-15, and 2-16. Given this unpredictability these boosters must be considered potentially dangerous, especially because that is a sea launch SLBM that does not have a good track record over its lifetime.

Given the fact that we have not established the booster’s reliability after all of these years, the costs and effects involved in implementing the proposed STARS program...
must be considered uncertain. Ironically, part of the Navy's interest in disposing of these boosters reflects the cost of continuing to store them. This rationale, however, does not support their contention that they have fixed the problems described above or can now assure us that the booster is now highly reliable.

2. I note a number of significant inaccuracies on the SDIO/SDC EIS report, pp. ES-2, 2-16, and 4-8. In which the composition of the solid propellant is presented. I attended SDIO/SDC/DOE and contractor briefings in 1984 and 1985, and I recall that the company presented proprietary material describing the composite in the solid propellant: that causes its exhaust gases to be extremely toxic and highly corrosive to many substances. The exhaust also contains in a moist atmosphere and forms a dangerous fog (white powder). With winds blowing East to Southeast, if a Polaris A-3 had to be destroyed a few seconds after launch, the toxic exhaust gases described could not only harm the island of Kauai, but would also pose a threat to the other Hawaiian Islands. The damage would depend upon the atmospheric climate conditions and occur currents present at the time of the aborted launch.

3. I also note that the sections of EIS for Surfr assess noise, pp. ES-6, and 3-39 to 3-42, and 4-40 to 4-43, appears inconsistent with data that I have seen on the Polaris A-3 type boosters, which has a design similar to the booster proposed for use in the STARS program. Data that I have seen indicates noise and sound pressure levels (which are not well covered in the EIS report) of over 150 dB's for 6-10 seconds duration during launch up to 1000 meters. The threshold of pain for individuals is 140 dB's at 1000 meters. In contrast, normal room speech entails noise at the 60 dB level. Therefore, the data presented on page 3-41 is particularly questionable.

4. I must regard the EIS analysis of alternative launch sites and launch vehicles, pp. ES-2, 2-34 to 2-38, as the worst glossing over of an important EIS requirement that have been in 73 years of work on space vehicles. ICBM's and ballistic missile-defense. In order to reach any supportable conclusions about alternative launch sites and launch vehicles, these sections of the EIS will require major rework.

In conclusion, the significant technical problems I have described in the Polaris A-3's technical design require major overhaul and testing to assure the booster's reliability for use at the proposed launch site. Given the lack of evidence supporting this missile's reliability and its known toxic exhaust gas properties which can clearly endanger inhabited areas, I suggest a new study under the leadership of an experienced SDIO/SDC program manager. Until that time, the Polaris A-3 booster should be rejected due to its past track record, which the Navy and its contractors have not accurately presented to the public in this SDIO/SDC EIS draft report.

FROM THE DESK OF
JUDY L. JORDAN, M.D.

April 7, 1992

Dear Senator Inouye,

I would like to urge you to do whatever you can to discourage any missile launcher on Kauai.

Of all the places the U.S. Military has for these launchers, surely Kauai need not be the place— an island inhabited with its close range that cannot easily be evacuated if a place dependent on tourism, 2 lane roads for transport, you will know all the details of Kauai.

I'm not against the military, nor the launcher—but why not use those areas more suited to such things.

PMRF—yes, Surfr launch or any other—NO

Thank you for your consideration.

Aloha

[Signature]
Dear Senator  

I am very concerned about the future of Kauai. The island is already feeling the impact of people, cars and their by-products of waste. The Star Wars program will only compound these problems much more. I am very, very opposed to Star Wars on Kauai. 

Using rockets that are 70 miles long to wipe Kauai, the thought makes me shiver. The contamination is a very serious issue for us on Kauai. Star Wars will only compound it. I am very concerned about the radiation claimed to be part of the program. Using a rare, lush tropical field as a launching pad is an antiquated and dangerous project. It's really absurd. Please help to stop it.

Sincerely,

Becky Beals
APRIL 4, 1992

SENATOR DANIEL K. INOUYE
722 HART SENATE OFFICE BUILDING
WASHINGTON, D.C. 20510

DEAR SENATOR,

Thank you very much for your efforts which ultimately caused the U.S. Army to produce their Draft EIS regarding the proposed strategic target system missile launches from Kaua'i. I am, however, dissatisfied that the Army failed to conduct an independent study as they had agreed.

Aside from this, the EIS clearly shows that there will be significant impact to three endangered species as well as to the environment, even if all goes well. The potential risks of missile launches to the environment of Kaua'i and its highly fragile tourist-based economy are substantial.

The potential benefits of this project are questionable and totally unsubstantiated, even in the event of successful testing.

I ask you to represent me by opposing this project in every way possible.

Sincerely,

Michael Thack

MOUNTAIN VIEW ROAD
PO BOX 87256
KALUAU, HI 96766
Dear Senator Inouye,

As a constituent of yours, I am writing to express my concern about the missile launches in Kauai. The threat to Kauai's environment is alarming. The juxtaposition of the missile site with the natural beauty of the island could be a tragic error with devastating consequences.

I know that you have been an ally of indigenous peoples as the mainland. Please continue to be an advocate for the Marshallese people.

Sincerely,

[Signature]

PO Box 914
Nukualofa HH 96714

Kauai Citizens Call for a Moratorium on Missile Launches to Kawajalein Atoll
who have been directly re-located and some of who are suffering ill health from radiation exposure.

Thank you for your help!

Sincerely,

L.J. Archambault

P.O. Box 1301

Kahului, HI

96731

KAUA'I CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

Senator Moana Togianu

330 Kapiolani

Honolulu, HI

96814

Please do everything you can to make amends to the people of the Hawaiian Islands for all of our trespasses against them, for your considerable influence (moral and legal) to assist the USA in the right political tide. The people of the Hawaiian Islands (and their islands) are far more important than all the missiles of all the nations.

NO STAR MAPS FROM KAUA'I

AND NO MORE US GENOCIDE AND RAPPINES.

MHALO! Bette
Dear Senator freshmen,

Please make every effort available to stop the missile launching from Barking Sands on the island of Kauai, on which I am a resident and registered voter. I am deeply concerned about the quality of life on my island after the effects of the missile launches, and about the effects of the missile launches on the atolls of the Mariana Islands in the people residing at Enewetak. Please do all you can to stop the inhumanity.

Senator, Freshman World

Dear Senator,

As an environmental scientist, I urge you to stop all appropriations for the STARS defense program. Not only is this expensive, but it is also a waste of human resources. They need their lands, not more bombs. They have lost their culture, their health. Their entire way of life so that we can spend billions and billions of dollars in the preparation of war. This is 1993, we need to stop funding defense programs. That serve no one's interest but weapons manufacturers. For the sake of Kauai and the Mariana Islands please stop the funding of STARS.

Sincerely, Senator.
KABAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

Dear Senator Akaka,

I speak to you as a Native Hawaiian whose life has been spent in Hawaii, and I wish to express my concern about the environmental impact of missile launches in the Kawajalein Atoll.

I oppose the military's missile launching program for several reasons:

1. It is a real and present danger to the health, safety, and well-being of Hawaii's citizens, including the tourist industry. Why subject me to this threat when we ourselves are inviting the possibility of what hazardous chemicals in transport and storage can result in.

2. Any related accidents or mistakes as a result of the rocket's will quickly destroy the tourist industry in Hawaii and other islands. Is it really worth taking these risks as well?

3. The millions of dollars to fund the missile program is needed to help our communities, schools, hospitals, and other services.

Sincerely,

Mau'i Kuhina Nui
P.O. Box 281
Launiupuka, H.I. 96766

"Ua man ke ia o ka 'aina i ka pono"
Dear Senator Chang,

There is a need to halt all missile launches west of Kauai. We have no choice but to support the U.S. for the stop.

Frank Brown
Kauai
KUAM 95.7
I am fearful that a group of people will be attended with the belief by the United States Government. Please check this problem. It's true it's real. We're wild & angry. We mean business. 

Sincerely respectfully yours,

James Lockwood
P.O. Box 781
Kauai, Kauai HI
96744

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAUAAJLEIN ATOLL

March 24, 1992

Dear Senator

I was born & raised in Kauai for 10 years. My home was & would have been a great mistake to allow the Navy to launch & test missiles to be done on this fragile, unique island.

The fact that it is also populated with 10,000 people speaks for the insensible attitude that it is a “safe” testing to leave their project done here. Would you want to live here knowing any accident related to testing & having Manson island possible? Would you feel secure enough for the children & animals & all living creatures being subjected to the danger of the transport of hazardous elements to stop this from happening on Kauai? Please, do everything you can to stop this project for the benefit of Hawaii’s citizens & everything that makes this a special place.
and cherished home.

Also, if anything did go wrong and an accident occurred with the transport of chemicals or the rocket launchers - can you imagine what the effect would be to the tourist industry?

Visitors would not only avoid Kauai but perhaps Hawaii altogether. Now that would be an enormous economic disaster for sure. So for the sake of our visitor industry - we can see that the Star Wars ultimately is a risk economically as well as environmentally, and will affect the well-being of all residents detrimentally.

Thank you for your attention and support.

Sincerely,

Marsha Kee
R.D. Box 261
KILAUEA HI 96756

P.S. Let's not be blind to the lessons of Kauai experience - we would be betraying our own selves to continue with this project.

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

Kauai citizens are calling for a moratorium on missile launches to Kawajalein Atoll.

Sincerely,

[Signature]

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

MIDWEST WARHEAD IMPACT IN THE KAWAJALEIN ATOLL

Kauai citizens are calling for a moratorium on missile launches to Kawajalein Atoll.

Sincerely,

[Signature]
ClibPDF - www.fastio.com


KAIKAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAMAJIN ATOLL

Can you please explain to your colleagues in the Marshall Islands about us? I'm going to the Marshall Islands to see you. I'm very happy to see you. Please come and visit us. We are planning to discuss the matter further. We would like to discuss the matter further. I'm sure you will find the matter interesting. I'm sure you will find the matter interesting. I'm sure you will find the matter interesting. I'm sure you will find the matter interesting. I'm sure you will find the matter interesting. I'm sure you will find the matter interesting. I'm sure you will find the matter interesting. I'm sure you will find the matter interesting. I'm sure you will find the matter interesting.
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

We hereby request a moratorium on the launch of missiles to Kawajalein Atoll.

Love,
Alia Oceana

From,
Alia

March 22, 1992

Dear Senator Inouye,

As a citizen of Kauai, I protest the missile launches to Kawajalein. These people have suffered terribly at the greedy hands of our government and deserve respect.

Please halt the Star Wars Missiles NOW!

Signed,
Malika Wiezbikowski
Gen. Delivery
Anahola, Kauai 96703
March 22, 1992

Dear Senator Brand,

I am writing to you to make known my total objection to further testing being done on any of the Marshall Islands. In particular, I object to the island of Kauai, which is used as a part of their testing and very near an area of their testing and very near an area which is in close proximity of the Marshall Islands. I object to this island being used as a testing site.

It is in your power as a member of the Senate of the United States to act on the behalf of the United States and your fellow citizens. I hope you give this issue the attention it deserves and that it is given the proper amount of time and consideration.

Respectfully,

Mary Lee
Kauai, Hawaii
March 22, 1992
I do not support the missile launches on Kamajalein Atoll. My name is Bernard White. I am a resident of the Island of Kauai, married with 3 children and a professional artist. I am registered voter. I am writing to you because I have just viewed the film "The Ramp," produced and written by Adam Horowitz, that depicts the life of a missile-launcher. I am asking that a moratorium on missile launches be put into effect immediately. I am writing to you because I have just viewed the film "The Ramp," produced and written by Adam Horowitz, that depicts the life of a missile-launcher. I am asking that a moratorium on missile launches be put into effect immediately. Human Rights are being violated by our government. I appreciate your attention to this matter. Bernard White.
Dear Senator,

Please use the authority and position of power you have to stop the testing program in Kauai. Hundreds of people including myself and my wife, and my neighbors are subjected to the harassment of being fired upon and in other ways in so many ways this development has been.

Please senator, as a young woman living in Kauai now for sometime it is clear to me that some local people have very little concern for the immediate safety of their homes. That is how to create long-term permanent weapon than "the immediate." Isn't it true that the words of "the developing" are correct? Please consider this fact of those of us who are innocent enough to live to you. Please use your knowledge and ensure you have been exposed to this kind of work with indigenous people. Please act to stop the lies program. Can we not use the money because the military can not be used for other uses? Please consider changing your side towards the land and I ask you to listen to this, and not against this.

With thanks,

Catherine Zepich, PO Box 3028
Kilauea, HI 96754
Dear Senator Inouye,

I have been an active opponent of the Star Wars program for two years. I sincerely believe this is an act of madness on the part of our government. To fire missiles into the land of the indigenous people of the Marshall Islands is an act of desecration.

Our people have been driven from our land, our culture destroyed, and our way of life destroyed. We are no longer a people.

Our reason for being, our land, is now being used as a launching pad. Take the needed steps, Senator Inouye, to make this a more humane world. The power is in your hands.

Sincerely,

Gary Bartt
To Honorable Daniel Inouye,

Please, please stop the plans missile launches from Kauai to Kwajalein. The Kauai area and environment is far too important to risk. Our Native Hawaiian population deserve respect for their lands as well as the Kwajalein people. Please respect the aina. No missile launches from Peaceful Beautiful Kauai.

Sincerely,

Cora Diamond
20 Kealani St
Hana, HI 96713

March 18
1992

Dear Senator Inouye,

I ask that you take a stand against the testing of missiles. The manner in which this has affected the Marshall Islanders is disgraceful. It makes me truly ashamed to be an American when we disgrace and destroy the culture of the Marshall Islanders. This testing must stop.

Thank you for your time and attention.

Pua B. Delgado
1702 Kaahumanu St
Kahului, Maui, HI 96732
To all who are concerned about our future:

Thank you for taking the time to seriously consider a decision that will have an impact on our lives.

There are many issues combined in this current vote about Star Wars, and there are many of us who feel very strongly about each of them. When you consider giving an okay to Star Wars, it is a vote against much that we feel is precious, and much that has been taken for granted and abused in the past by the military-industrial complex of the United States: our land, our air, our water, our planet - all obviously critical to our survival as a species.

Political enemies come and go, as we have been blessed to observe in the last few years. If we continue to squander our resources defending an obsolete "us versus them" model of the world, we will only make our tasks more difficult as we turn our attention to reviving an injured planet.

Star Wars is an ill-conceived program. There are far too many risks and recorded failures to defend it intelligently. We can't afford to continue throwing money down the drain, nor can we continue to abuse our environment and expect that we will be sustained on earth as healthy peoples capable of responding to the challenges ahead. The costs to the environment have not been calculated or addressed. The costs to the world of wiping out indigenous people's cultures for the sake of industrial expansion have not been calculated or addressed.

We don't even know yet how much we have jeopardized or already lost. It's time to change our directions - to allow new alternatives to emerge, to use some of our resources to invest in restoring and sustaining, to show some respect for our Earth, our fellow beings, and our future.

Thank you for your serious consideration. It can only lead to a NO vote for STAR WARS and any further military escalation on Kauai.

and please - repatriate the Marshallese from Ebeye to their land.

Respectfully submitted,

Clair

Clair
PO Box 1525
Hanalei, HI 96714
DEAR SENATOR,

After the viewing of the film, ‘Home on the Range,” I am ashamed of America. I hope that you will be able to convince the other senators that what’s going on in the Pacific is totally screwed, and thereby instigate some changes. Make us proud to be American and help us Pacific Islanders live in our natural ways. Mahalo

Pjiey Kaua'hi
PO. Box 419
Kauai Hi 96765

Dear Senator Inouye,

Please assist us in stopping the use of Kauai as a testing site. At some point we must stop operating in fear of one another. Our fear has led us to injure many innocent people — people that have been willing to trust us. I strongly support stopping the use of all testing sites. Thank you for your support. You are our best hope.

Carae Ann Washburn
PO Box 1525
Molokai 96774
I offer my support to the people of the
Kauai Atoll. We can never fix the
damage that has been done by the U.S. government, to
their homeland and lives. But we can prevent
future damage by stopping all missile launches.
It is hard to fathom what we have done to these
wonderful people. We must stop the damage & destruction.

Karen Bacon Pollock
P.O. Box 770
Kilauea, HI 96754

...
Senator -

I ask you personally responsible for the terrible conditions in Oahu for the native people. Less apparent, but just as malicious, is the treatment of the Kanaka Maoli over the last 100 years. I ask you personally responsible for the last 30 yrs in Congress.

Shame on you.

P.O. Box 372

Kauai, HI 96703

A J. Freese

Aloha Aloha

From the Kauai Ohana

"Protect Kalihiwai"

Organization

Stop the Bombing and Missiles

Barbara Jones

P.O. Box 1328

Lilueka Hi 96766
Dear Senator Inouye,

I hope this message finds you well. I am writing to express my deep concern about the potential for a missile launch from the Marshall Islands to Hawaii. As a resident of Kauai, I am deeply concerned about the safety and well-being of our community.

If indeed you believe, as I do, that the people in Kahala are also human beings, you will do whatever you can to stop this insanity.

Marilyn Miki Kayata
80 Box 181
Hanalei Hi 96714

March 22, 1992

We do not want any missiles to be launched from Kauai! Kilauer, Kauai 96750

Dale M. Dubro
Kauai Citizens Call for a Moratorium on Missile Launches to Kauaijalein Atoll

Senator Inouye,

I want military testing to be ended on Kauaijalein Island.

Sincerely,

Betty Owen

(Caneo, HI)
Please don't let our island die! We don't want Star Wars here.

— Dale Roosevelt
Kapa'a, HI 96748

This is so obviously absurd! To neglect human rights, environment, common spiritual values, much more than neglect but abuse! STOP IT NOW! Is it really necessary to exploit Kaua'i island so severely, with such lack of respect for the first peoples there?! This is insane!

Collin Leach (General Delivery) Kapa'a, HI 96748
KUAUI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

March 22, 1992

Robert MacNeil
8 6 7 9 7
Kanemoto, Ph. 9 8 3 7 2 2

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate of Off.
Washington, D.C. 20510

Dear Honorable Inouye:

The Pacific Islands, especially Hawaii and its Kauai, Marshall Atoll, has been my homeland since I was 12 years old. These Islands have a special and extremely sensitive E-N Situations that must not be disturbed or placed out of balance, which is exactly what will occur should the missiles of this STAR WARS scheme that is being forced on people by a few on Kauai. You are a moral obligation to insist on stopping of Star Wars in Hawaii as a representative of the Hawaiian and all people of Hawaii. And to insist on a restoration of the Marshallese people and their Islands and through out all the Pacific Islands.

For Gods sake - STOP STAR WARS!

Respectfully,

Robert MacNeil
Candidate for Governor
of the State of Hawaii '94

Senator Daniel K. Inouye

Please check thoroughly on this situation personally. It is not to be missed. The lives in precious regardless of color. I cannot believe what I have seen in the film titled "Vice in the Range." Why haven't we read about the plight of these poor people?

M. E. Reynolds
P.O. Box 361, Honolulu 96824
Kauai Citizens Call for a Moratorium on Missile Launches to Kawaiahel Atoll

Dear Mr. Inouye,

as a friend of the Hawaiian Islands and as a physician I'm very concerned to hear about the situation of the Marshall Islands people on Enewetak. Just imagine Kauai being occupied and used as a missile launch platform and please imagine Nukunonu, American Samoa being sent away from their homeland to a place with no jobs, hardly any food and poor conditions. Industrial laws, human rights and your Constitution should obligate you to help Marshall people regain their dignity and a worthwhile living conditions. These experiments with human beings must stop!

Missile testing must stop! Why don't you test it in Africa or better leave it at all?

Show some respect for the Marshall culture or any culture different from American culture! Get out of Marshall Islands stay on U.S. territory! Christine Knox, RMB, 10, P.O. Box 221, Germany

March 19, 1992

The Honorable
Senator Daniel K. Inouye
Senate Office Building
Washington, D.C.

Respected Senator Inouye,

I just viewed the documentary film "Home on the Range," depicting the human costs of the "Star Wars" missile defense program on the Marshall islands. I join many of my Kauai friends in urging your help to halt the plan to launch missiles from Kauai to the Kawaiahel atoll.

With sincere thanks,

Respectfully,

P.O. Box 58
Kapa, HI 96746

Karen C. Snyder
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAUJALEIN ATOLL

March 14, 1992

Dear Sir/ Ma'am,

The situation in the Marshall Islands is deplorable. The testing and effects are embarrassing to be an American.

I'm asking you to please stop impacting the people of the Marshall Islands with our military testing. After viewing "I'm Home on the Range," I was shocked to see what happened to these people and what lies in the future for their children. I am sure they deserve immediate attention and the missile testing should be stopped and reviewed.

What do you intend to do about this?

Makani
Charles Lee Condor
P.O. Box 446
Hana, HI
96713
(808) 826-9000

KEVIN JONES
P.O. Box 1659
Koloa, HI 96756
Dear Sir -

I am dead opposed to the Star Wars war project here on Kauai. The Marshall Islands an any other location, you can also include space exploration. Perhaps the first step in the Marshall Islands and IRP, and the Marshall Islands from Kauai.

Raymond C. Lache
3248521 7th Pl.
Kauai, Hawaii 96736

The Honorable Daniel Inouye
United States Senator
Park Nat. Stn. Post Office
Building
Washington, D.C. 20510

Dear Senator Inouye,

As a frequent visitor to the island of Kauai it's saddens me to know that the missile launch to Kauai is still occurring. Being a matter of concern, actually registered voter and activist for human rights, I don't want Kauai to be another testing pad like Eglin. Traditionally culture and peace cannot be compromised. Please hear my plea for a moratorium on missile launches to Kauai.

Sincerely,

[Signature]
Dear Senator Inouye,

Having met you at your hearing on Hawaii last year when you stated that AEFF would not be required before Star testing, we have come to respect you as a man who is truly concerned about the quality of life for all peoples. We trust that there is something which can be done to help the Marshallese people whose lives have been sadly affected by U.S. military testing. There must be a way to restore to these people their land and hence their health and dignity. Wouldn’t this be a good time (politically and economically) to reduce military expenditures and also stop setting precedence for weapons in space. Thanks for your ear. Peace be with you.

Sincerely,

Gerard Wells
KAHULI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KWAJALEIN ATOLL

MORALE HANILE APART IN THE KWAJALEIN ATOLL

Stuart Thursby

Please do what you can to keep the
missile off of Kauai. This is not the
place to launch these things. The people
in Kauai do not deserve this injustice
nor does the local deserve to be denigrated
in this fashion. The people of Kauai do
not want this here, you can not force
press but they know what we want.

Sincerely,

Ernie Thursby

1035 Kamehameha
Lihue, HI 96766

Dear Senator Enoughe,

I urge you to please, use all the power you can
to stop the Star Wars
program from launching
missiles from Kauai & all
the Hawaiian Islands.

My name is Elwood Wakeha.
I am 16 years old.

Eva

Postmark: Washington, DC 20510

12/11/94 6:39 PM

Manila Kauai
31 Aug 92

Dear Senator,

I want to raise two matters related to the missile threat.

I want you on the committee to investigate the takeoff of the missile that caused panic at the Capitol. Conditions are critical.

Sincerely,

[Signature]

John R. Danforth
3394 K.

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
ClibPDF - www.tastio.com

To: Daniel K. Inouye
From: Deborah Frester
Date: 9/15/82

Subject: NO MISSILES ON KAUA'I

Dear Mr. Inouye,

I do not want missiles fired or tested on Kauai, Hawaii or anywhere else in the State of Hawaii. I lived on the island of Kauai/Kea in the 1950s-1953 and 1956-1957, returning to Hawaii to work. America had done nothing to the Micronesians people and places. Their islands are not large and life itself, all the island of Kauai is only 466 square miles. The people are precious to be, and it is to precious to be used. Please do whatever you can.

Best regards,
Deborah Frester
P.O. Box 867
Kilauea, HI 96754

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

FROM: PXH/INOUYE
TO: DBR/INOUYE

DATE: 9/15/82

SUBJECT: NO MISSILES ON KAUA'I

Dear Mr. Inouye,

I appreciate your efforts to protect our islands from missile testing. I have sent a letter to the Secretary of Defense requesting a moratorium on all missile testing in the state. I look forward to working with you on this issue.

Best regards,
PXH

Just say "Hi" to all.

Deborah Frester
Dear Senator Inouye, 4-11-92

I urge you to oppose the SDI program, particularly in Hawaii. I am a fifteenth-year
and until programs like this start affecting
of what kind of world I'm growing up in,
kind of the future for myself, this
world and my children. I don't want
and am sure you don't want to see Hawaii
be a target due to SDI testing here. The
cold war is over and our nation can
not afford this expensive, wasteful, costly,
and harmful program. Please
oppose all further appropriation for SDI
particularly in Hawaii. Thank you,
Sincerely,

Amelia Barofsky

Amelia Barofsky
81 Hau St.
Kailua, Hawaii 96734

Senator Inouye
U.S. Senate
Washington D.C. 20510

---

Dear Senator Inouye,

the draft EIS for
the Strategic Target
System over 1970
shutters a whole
and failed to mention
10 or more races
plants in the vision
concluding impact
on housing, industry,
local populations and
precious natural
be insignificant.
Please help us fight this

Louis Perotta
PO Box 1708
Kailua, Hawaii 96734

To:

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.,
Washington, DC 20510
ClibPDF - www.fastio.com

Dear Senator Inouye,

I am a marine biologist and part-time resident on Kauai. I am opposed to implementation of the wind energy project on the north shore of Kauai. My primary concern is that environmental impacts - especially marine environments have been inadequately addressed. I plan to make an oral and written objection to the State hearings on Kauai. Please consider my concerns.

Sincerely,
Tom P. Neill
PO Box 629
Kapa'a, HI 96747

---

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Dear Senator Inouye,

I may be younger than most people who will write, but we want this beautiful place to be here when we are older. So please support us in saving it. Mahalo!

Wallis Post
Michelle's Bistro
1384 Kuhio Highway
Kapa'a, HI 96746

---

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
Dear Senator Inouye,

Everytime I hear about what they're planning to at PARF, I can't believe what they say - it sounds crazy. Please try to stop them. Hawaii is much too small and beautiful for others to be taken. Thank you, and may your day be good.

Sincerely,

[Signature]

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Dear Senator Inouye

Please due not due this to beautiful land. Please stop and think is this what we want it. due to this beautiful island.

Thank you.

[Signature]

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Dear Senator - please take the military off of Kauai. We need the Marshall Islands.

Lee Lee
Box 254
Kekaha, HI 96752

No Misses in paradise!
please!!

Merilii Aamo
Fernandez

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Dear Sir,

A short note asking your help in preventing the Star Wars
Missile Launch site from being at the Island of Hawaii.
We need an alternative here for income such as agriculture.

Sincerely,

Nicole Doug Melrose
P.O. Box 3482
Hilo, HI 96720
Dear Sir,

I am writing to ask your support and assistance for stopping the Star Wars program on Kauai.

Kauai is a unique and beautiful place in the world and the risks that missile launching poses on our home are not accepted by us as well as thousands of other concerned citizens.

Please help us stop this crazy program.

Thank you for your support.

Kane Kauai

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

請求
5321 Kauai Kauai

In representing the people of Kauai, please vote against this unwise display of the Star Wars Program.

Do not be one of the people who look back on today and regret participating in a short-sighted, self-serving and disastrous program.

Kane Kauai

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, D.C. 20510

Dear Senator,

I notice you have an issue with the funding for the Space Launch Initiative. I believe this is a waste of tax dollars. I am writing to you in hopes you will support me in the fight against this waste. I will fight for you. I will fight for this country. I will fight for the people of the United States of America. I believe this is a waste of tax dollars. Thank you for your time and consideration.

Mary Jones
722 Hart Senate Office Bldg.
Washington, D.C. 20510

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, D.C. 20510

Mr. Inouye,

The good people of Nevada and I noticed you during the recent debate on the state of our country. We believe in the principles of freedom and liberty. We believe in the United States of America. We believe in the people of Nevada. We believe in the future of our country. We believe in the principles of freedom and liberty. We believe in the United States of America. We believe in the people of Nevada. We believe in the future of our country.

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, D.C. 20510

Aloha Senator,
The people here are asking you to tell the President to stop sending missiles to Kauai. Our mana has never been heard. Send a message.

Sandra Lecca
P.O. Box 372
Kailua, HI 96746

STOP

STARS

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, D.C. 20510

Dear Senator,

The good people of Nevada have noticed you during the recent debate on the state of our country. We believe in the principles of freedom and liberty. We believe in the United States of America. We believe in the people of Nevada. We believe in the future of our country. We believe in the principles of freedom and liberty. We believe in the United States of America. We believe in the people of Nevada. We believe in the future of our country.

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, D.C. 20510

Aloha Senator,

The people here are asking you to tell the President to stop sending missiles to Kauai. Our mana has never been heard. Send a message.

Sandra Lecca
P.O. Box 372
Kailua, HI 96746
Dear Senator Inouye,

I am writing to urge your support in Congress to stop the further development of the "Star Wars" program. I feel strongly that this program is unnecessary and is not supported by the American people. The funds being spent on this project are better spent on programs that benefit the American people.

The people of this country need a strong, viable defense system. The "Star Wars" program is not the way to achieve this. It is a waste of valuable resources that could be better used to improve our nation's defenses.

Thank you for your consideration.

Sincerely,

[Signature]

P.S. The citizens of this planet need a foot, shelter, education and basic services from our government. Our voice is grey unheard and our citizens are feeling frustrated. Our government is arbitrary and unfriendly. What people really need is for the resources to be re-directed to the people.

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Building
Washington, DC 20510

4901 Kauai Hwy, Apt 202, Kauai, Hawaii 96746

3/17/92
Dear Senator Inouye,

This is to inform you that I feel very strongly that Kuwait is not the best place for Americans, and I would like to see it become a separate country. The idea of Kuwait being a separate country is not even possible. It is not in the best interest of the people of Kuwait. Please help me in this matter.

Sincerely,

Chris Brownson

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

---

Dear Senator Inouye,

As a concerned citizen of Kuwait, I want to express my support for the Stars of Hope initiatives. I do not want our island to become a target for threats and attacks. We need your help to prevent this from happening.

Sincerely,

Khalid Al-Jawad

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

---

Dear Senator Inouye,

I am a concerned citizen of Kuwait and I want to express my support for the Stars of Hope initiatives. I do not want our island to become a target for threats and attacks. We need your help to prevent this from happening.

Sincerely,

Hanan Al-Jawad

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

---

Dear Senator Inouye,

I am a concerned citizen of Kuwait and I want to express my support for the Stars of Hope initiatives. I do not want our island to become a target for threats and attacks. We need your help to prevent this from happening.

Sincerely,

Hanan Al-Jawad

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
DEAR SENATOR:

LET'S PUT A STOP
MISSILE LAUNCHING IN
THE PACIFIC MARSHALL
ISLANDS AND GIVE BACK
THESE ISLANDS TO THE
NATIONS TO LIVE AS THEY
WISH & HOPE TO. EBYES
IS NO PLACE FOR 9000+
CITIZENS TO LIVE AND HOPE
FOR A FUTURE. HOW WOULD
YOU OR I FEEL LIVING IN
THOSE CONDITIONS

Kimber M. 96754

Senator

The world now needs peace.

Please do your part
to stop the madness.

Niklaus Anderson
1384 Kahului Ak
Kapalua, HI 96746
Dear Senator,

Please help us!
Please do not allow the Star Wars Project to begin on our island of Kauai. Having just moved there, it is our home and we feel very scared for our homeland.  Thank you.

Respectfully,

D. Martin Muller
PO Box 979
Lihue, HI 96766

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Dear Senator,

I have a degree in Environmental Science from the University of California and am currently in the second year of research on Honolulu waters. I have read the Draft EIS and must say it is not worthy of approval. It will harm Kauai; I believe it will destroy the beaches and the harbor area. I strongly oppose any Star Wars related activity that may place in such a delicate environment. Sincerely, Dan Suzuki

20 Box 628 Kauai, HI 96732
From: Senator Inouye  

I am Kamehameha, son of the King of Hawaii.  

Stop the missiles  
Stop your guns  

Lono, Mano, Pele, Kalaniopua,  
Rum Put a House of Our Lord, Mahalo nui —  

The Honorable Daniel K. Inouye  
United States Senator  
722 Hart Senate Office Bldg.  
Washington, DC  20510  

I do not want STARS missiles in Kauai!  
I empower you to do what everyone can to stop this project at once!  

Please let’s all stop this senseless pursuit of the USA war machine.  

Thank you for your concern.  

Jonathan Water  
971 Hauilua Rd.  
Ewa, HI  96706.
Dear Senator Inouye,

We do NOT want Star Wars on Kauai (or anywhere else) and we do want the Marshall Islanders to be respected.

Sincerely,

Ingrid Tillman

P.O. Box 818
Kilauea, HI 96754
Dear Mamalo,

I feel very sad and very angry that the Hawaiians have been dumped upon so. Nuclear weapons should not be based in the Islands. They should be put in the front yards of those who want them discarded.

Charmaine F. Brown
P.O. Box 231
Hanapepe, Kauai, HI 96716

Alfredo -

I cannot believe your being under the influence of drugs. The beautiful carefree place. Please DO NOT continue the space program. It is dangerous!

Mamalo B. Jarvis
3631 Hahaalaa Rd.
Kapa'a, HI 96736

No more war missiles from Kauai OR ANYWHERE PLEASE!

Barbara Ka'ahanapu
P.O. Box 736
Hanapepe, HI 96716

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

B. Jarvis TO –

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
DEAR SIR,

I'm in complete opposition to the firing of test rockets, nuclear or otherwise, from Kauai or any other Pacific islands. Please help Kirby Keough, P.O. Box 418, Kauai, HI 96735.

Yours sincerely,
Paul [Signature]

Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Dear Mr. Inouye,

Please turn myself & many others residents of Hanalei & Kauai against the missile testing on Kauai.

Thank you,

Sincerely,

Paul [Signature]

Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Dear Senator,

Please put an end to missile testing on Kauai.

Thank you,

Sincerely,

[Signature]

Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
I was walking along the beach at Poipu to catch two rockets fusilages laying on the beach.
This is indicative of how clean the military is!!! The Army does the E18 with what incentive to police themselves?
I DO NOT WANT MISSILE LAUNCH FROM KAUAI!!! Colleen Beach 91766 General Delivery Kauai

March 19, 1990

Senator Inouye:

I am sending you a copy of the following article for your information:

Rockets on the Beach

Mary McLeod Grace
810 Kapena St.
Ewa, HI 96706

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

David Jacobson
P.O. Box 3502-100
Princeville 96722-2191

NO ROCKETS IN PARADISE Please!!!
Dear Senator Inouye,

Respect Paradise

Please

The Honorable Daniel K. Inouye
United States Senator
222 Hart Senate Office Bldg.
Washington, DC 20510

Dear Senator Inouye,

Please bring peace to Hawaii

benefits that could be made available by putting money into peaceful means.

Rather than expensive technological warfare equipment, people need food.

Thank you,

S. Leaver P.O. 979 Lahui

2370

The Honorable Daniel K. Inouye
United States Senator
222 Hart Senate Office Bldg.
Washington, DC 20510

3-17

Favors from Hawaii. This is the time for serious work and money to be spent in education.

Especially for

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Islands. Thank you for demanding the EIS can we have an independent EIS?

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Garden Isle - not HI missile Isla.

Thank you for demanding.

P.O. Box 159
Hana, Maui, Hawaii 96713

1702 MA'ANO ST. AILA 96713

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Ken Ashburner
CPT. 884-7861
Napoli, Hawaii 96717

Islands

1702 MA'ANO ST. AILA 96713
U.S. Army Strategic Defense Command
April 13, 1992
Page 2

2. The DEIS states that a complete cultural resource inventory has not been conducted. Our reviewers suggest that an archaeological reconnaissance or survey is necessary to assess the significance of the historic properties potentially affected by the project and should be conducted pursuant to State of Hawaii Title 11 EIS Rules Sections 11-200-14, 11-200-16, and 11-200-17, which require that relevant data be obtained, necessary studies be conducted, and all relevant and feasible consequences and implications of an action be disclosed and evaluated.

3. The DEIS suggests that there will be some impact to archaeological sites in the area. What impacts are expected? Are any mitigations other than full or partial data recovery/research and documentation planned? If so, what is the basis for limiting mitigation to data recovery/research? Will any sites be preserved if determined significant? Since these sites are potentially eligible for the National Register of Historic Places, the National Historic Preservation Act (NHPA) and its regulations apply, including the provision that compliance under NHPA and NHPA be accomplished simultaneously. This DEIS does not comply with NHPA, in that the cultural and historic properties within the project area have not yet been evaluated in terms of the Section 106 review process as specified under NHPA.

4. No agreement with the State Historic Preservation Office in Hawaii’ or the Advisory Council on Historic Preservation on a mitigation of preservation plan for the potential archaeological resources in the project area has been discussed in the DEIS. Are there any agreements, and if so, what are they?

From

The DEIS states that during second-stage burn, up to 90 kilograms (198 pounds) of Freon may be released into the booster plume over the entire second-stage flight path. The DEIS further states that the proposed annual release of Freon by the STARs program of about 360 kilograms, (approximately 0.05 percent contribution to the world-wide release rate) is “minor.” The significant factor distinguishing these Freon releases from other releases throughout the world is the introduction of long-lived chloro-fluorocarbon (CFC) releases directly into the proximity of the ozone layer. The DEIS should address potential impacts of ozone depletion resulting from the Freon releases on the following:
1. Current and projected incidence of carcinoma and melanoma;
2. Current and projected incidence of osteoarthritis;
3. Possible reduction in productivity affecting marine fisheries and aquaculture;
4. Projected loss of tourism revenue related to various ozone depletion scenarios, and;
5. Breakdown and deterioration of plastics, paints, and vinyls.

Endangered Species

The DEIS failed to address off-site impacts of the proposed launch adequately. Our reviewers have suggested that the DEIS should include discussion of possible noise and air quality impacts to endangered forest birds residing offsite.

*Ophiolous constrictus* is a Category 1 candidate for designation as an endangered species. In general, little is known about this plant, since it spends most of its lifecycle as an underground dormant rhizome. It appears at the surface only sporadically, when leaves and a sporangia develop in the 2-3 months after heavy rains. What mitigation measures are proposed for *Ophiolous constrictus* and under what circumstances will they be implemented?

Nothing is known of the transplantability of *O. constrictus* under the provisions of the Federal Endangered Species Act. Transplantation of *Corydalis* plant species *O. constrictus* may be acceptable at this time. However, at the point that it becomes officially declared an endangered species, transplantation will no longer be acceptable. It is our understanding that Category 1 plant species are projected for listing as endangered sometime in 1992. If specimens are identified on site after they are officially declared as endangered species, their discontinuation, even for transplantation will no longer be legal. In addition, our reviewers are not aware that this species has been shown to be successfully transplantable, and they suggest that the U.S. Army try transplanting on an experimental basis.

Air Quality

In reviewing the air quality impacts for the STARS project several areas inadequately discussed in the DEIS have been identified.

1. The DEIS states that, in the event of a launch pad accident in which the entire missile detonates, although the emission levels might exceed acceptable levels for a short period, the potential impacts are not expected to be significant. What background data support this statement? Were any studies or analyses performed to anticipate potential disaster scenarios? The document should examine the potential impacts of a launch pad accident in more detail.

2. In the event of an accidental release, it is possible that an onshore wind might carry release products to the highway adjacent to KSP and populated areas of Kauai such as Kilauea. What potential impacts of a release on populated areas of Kauai can be anticipated?
3. The document should present state standards for emission levels of carbon monoxide. Why is 8000 meters chosen for the 12-hour average concentration levels?
4. Our reviewers reiterate that the fuel vent experiments would contribute to further ozone depletion. Also, transporting and storing the hydrogen fuel needed for these experiments is very hazardous. We suggest that the RIS should therefore consider the "no action alternative" for these experiments specifically.

Launch Activities

Section 4.10.2.1 (page 4-53) states that it is unlikely that any flights would have to be terminated because of "an overall system reliability of 97 percent and a higher individual component reliability." Presumably most components can be tested separately to determine their reliability. One could then calculate the reliability of the whole system, assuming that failures of components are independent. Is this how the overall system reliability is determined? Is this true of the overall system reliability is actually to do test launches of Polaris boosters or allow a better assessment of the likely reliability of the STARS booster. It should also be noted that, if the probability of a single successful launch is 97 percent, the probability of 46 successful launches is only 50 percent.

The scenario described on page 4-53 in which the booster was destroyed because it had pitched back toward the island should be described in greater detail. We note that this scenario is similar to the Ariane launch failure at Cape Canaveral on August 20, 1991. Press accounts of the Ariane failure stated that the destruct command from the ground was issued 21 seconds into the flight and that debris hit the ground "a few miles from the launch pad." The STARS RIS should indicate the scale on a map of the area around KSP, where debris from a similar failure would hit the ground. Could a similar STARS failure be detected and the destruct command issued in 15.1 seconds as assumed in the DEIS?

TRUFI & REEMI Computer Models

Our reviewers found the discussion of the TRUFI and REEMI computer models used to calculate the concentrations of hydrogen chloride, carbon monoxide, and particulate matter, still inadequate. No detailed evidence is given to support the preference for the REEMI predictions as the better estimator. It is difficult to understand why these two models should yield
results which differ by factors of 10 to 400. Why were 'nt the comparisons done for the same wind speed? Is the wind speed parameter significant? Tables 3-1 and 3-2 of the Supplement to the SRNS EA, 95P results are given for a wind speed of 0.46 m/sec. Our reviewers believe this result is important, because the carbon monoxide concentration is predicted by 95P to exceed the Newell 1-hr air quality standard at the boundary of the launch hazard area. The 95P results in the DEIS do not seem consistent with those given in the Supplement. For example, the peak instantaneous concentration (which should be nearly independent of the wind speed) of hydrogen chloride at a distance of 1000 meters is given to be 0.20 ppm in Table 4-5 of the DEIS but is 3.07 ppm in Table 3-1 of the Supplement. Such discrepancies cast considerable doubt on the reliability of the results quoted for 95P. We conclude that the information given in the DEIS is not sufficient to provide confidence that STARS Launches will have no significant impact on air quality. The 95P and 95N models need to be compared for the same wind speed, and data from previous launches should be used to try to decide which model is the better estimator. Why has the DEIS neglected to include such information?

Impacts from the Marshall Islands

Our reviewers were surprised to find that this DEIS did not describe the potential impacts to the people and natural environment of the Marshall Islands. Are there no potential impacts, and if so, what is the basis for this determination?

Cumulative Impacts

The cumulative impacts of all planned launch activities at PMRF need to be clarified and considered in more detail. For example, page 2-25 mentions that during the ten years of STARS launches, there would be three SSD and eight Vandelay launches per year in some years. Appendix C indicates that the ground hazard area around PMRF for these launches might have to be cleared as many as thirty times per year. The Vandelay launches were neither mentioned in the original STARS EA nor the Supplement, and the cumulative impacts of all these launches is considered only on land use in the DEIS. Other cumulative environmental impacts of these launches also need to be considered.

Significance Criteria

The evaluation of significance of some of the environmental impacts identified in the DEIS is inadequate. An obvious example is the discussion of 14,000 to 24,000 metric tons of ozone-depleting chemicals. Viewed in the context of these international efforts and efforts by the State of Hawaii to help protect the ozone layer, these releases by the STARS launches may be significant.

Public Recreation

Our reviewers note that increasing the fraction of time that parts of the PMRF recreational areas are closed to the public from 30% to 50% may be very significant to the residents and visitors of Kauai. Why do the reviewers regard such an increase to be insignificant?

Thank you for the opportunity to comment on this document. We look forward to your consideration and response to our comments, which we hope were helpful.

Yours truly,

John T. Harrison, Ph.D.
Environmental Coordinator

cc: OEAG
Michael Jones
Roger Fujioka
Marshall Mock
Andrew Daniels
Leonard Freed
Michael Stevens
Roy Takekawa
Charles Lamothe
Alex Buttaro
April 12, 1992

U.S. Army Strategic Defense Command  
CSSD-EN-V (D.H. Gallien)  
P.O. Box 1500  
Huntsville, Alabama 35807-3801

COMMENTS ON THE STARS DEIS

To Whom It May Concern:

I am writing to express my support for the Strategic Target System Draft Environmental Impact Statement. I work at the Pacific Missile Range Facility at Barking Sands, and I know that the programs carried out here are done so with the greatest possible concern for safety and the environment.

Based on the Draft EIS, which incorporates environmental and safety concerns raised by the public, I am confident that the STARS program will take unprecedented measures to ensure public safety and protect the environment. The willingness that has been displayed by officials of the Strategic Defense Command to listen to the public has further strengthened my confidence that all legitimate concerns will be fully addressed, and mitigations will be implemented to ensure that there will truly be no significant impact on the environment.

In spite of my confidence that this program can be carried out properly, there is one area that the EIS should address in greater detail. This is the impact that the no-action alternative could have on PMRF. A large share of PMRF’s overall business is derived from research and development programs such as STARS. Research and development programs are a vital part of many of our jobs. As PMRF’s largest R&D customer, STARS is important to PMRF’s continued viability. Consequently, STARS will help to ensure the continuation of the benefits that the community receives from PMRF.

Based on these facts, I believe that the EIS should go into greater detail in describing PMRF’s long and continuing history of benefiting the community and the environment. Additionally, I believe that it should be stated clearly in the EIS that under the no-action alternative Kauai would be much closer to losing PMRF and its benefit to the community than if the STARS program moves forward. Attached are some fact sheets obtained from the PMRF public affairs office which contain some information that is not included in the Socioeconomics section of the EIS.

If community activists are able to kill one program at PMRF, this does not bode well for the future of the base as a whole. It may be a surprise to some that the MR in PMRF stands for MISSILE RANGE, and it does not take a rocket scientist to figure out that the days of PMRF would be numbered if it is not allowed to launch missiles due to the rantings of extreme activists.

Sincerely,

Patrick Alvarez  
P.O. Box 520  
Kekaha, Hawaii 96752
QUESTION: Identify all the dollars that flow into Hawaii's economy from PMRF, including salaries, construction projects, payment for utility services and any other areas of cash flow. If available, include information on the number of indirect jobs created as a result of PMRF.

ANSWER: Identified below are PMRF's estimated economic impact on Kauai and Hawaii for FY 92:

- Salaries (military, contractor, civil service and Non-approp.) $30,397,000
- Construction projects $7,400,000
- Utility costs $1,707,000
- Purchases $7,622,000
- Expenditures for leases, travel, aircraft consumables, etc. $6,084,000
- Combined operating budgets of tenant organizations $21,349,000
- Official visitors $3,304,500
- Impact Aid Funds to schools $21,800

Total estimated economic impact: $77,815,800

Jobs at PMRF include:
- Civil Service 130
- Military 134
- Contractor 456
- Non-Appl. Fund 65
- Tenant Org. 124

Total: 909

*This figure is based upon 4,500 vehicle passes issued to visitors at PMRF who traveled on government orders to work at PMRF. The 4,500 was multiplied by 1.5 people (some travelers bring family members), multiplied by three days (average visit) totaling 20,250 visitor days x $148/day per diem = $2,997 million plus $357,500 for vehicle rentals. (Note: Many travelers extend their visit when their official duties are done; the figure above does not reflect their extended visit.)

Other jobs created as a result of PMRF may include employees working for restaurants, financial institutions, hotels, insurance companies, markets, utility, shipping, construction and office equipment companies, teachers, visitor industry employees and more. We do not have an accurate estimate for this category.

Additionally, many family members of PMRF employees work in the local community.

According to First Hawaiian Bank Research Assistant Bill S. Akamine, Jr., PMRF is considered a "sizable" employer on Kauai. Although it was difficult to determine our impact on Kauai's economy, he said "to date, Kauai has 29,200 jobs. However, a sizable portion is part-time jobs in the visitor and service industries. We can probably assume that most jobs generated by PMRF are full-time jobs that pay relatively well." Based on data obtained by PMRF during the drafting of the STARS Environmental Impact Statement, the average annual wage in the visitor industry was approximately $17,900 in 1990, while the average annual wage for civilian personnel at PMRF was approximately $34,000 in 1991. This data supports Akamine's statement that, "PMRF would be a major employer of higher paying jobs on Kauai."
April 1, 1992

As you asked, the following information provides economic data on PMRF's impact on Kauai's economy.

**Economic Impact to Kauai due to activity at SANDIA's Kauai Test Facility:**
- KTF employs 14 permanent, on-site personnel.
- KTF's $550,000 to $2.5 million annual operating budget is a beneficial factor in Kauai's economy.
- KTF employs up to 80 transient personnel from the mainland during operational periods (60 days per year) for routine launches.
- Example: During ZEST launches conducted 2 and 10 September, SDI spent $50,000 for lodging at local hotels and transportation of transient personnel who were onboard PMRF to support the launch.
- Up to 100 transient personnel from the mainland may be employed at KTF for STARS and EDX launches. Support personnel will stay at local hotels.
- Construction work at KTF carried out by construction companies located on Kauai.

**Pacific Missile Range Facility (PMRF):**
- Civil Service Employees: 113 (approx. 77 percent are local hires)
- Military: 157
- Contractor: 458
- Tenant organizations: 140 (approx. 93 percent of contractor and tenant organization employees are local hires)
- Total expenditures (including tenant activities): $7.2 million

**FY 91 (PMRF) operating budget: $50,155,000**
- Civil Service payroll: $5,800,000
- Military payroll: $4,900,000
- Contractor payroll: $11,900,000

**FY 92 (PMRF) operating budget: $51,155,000**
- Civil Service payroll: $5,800,000
- Military payroll: $4,700,000
- Contractor payroll: $11,900,000

**FY 93 (PMRF) operating budget: $51,155,000**
- Civil Service payroll: $5,800,000
- Military payroll: $4,400,000
- Contractor payroll: $11,900,000

**FY 94 (PMRF) operating budget: $51,155,000**
- Civil Service payroll: $5,800,000
- Military payroll: $4,100,000
- Contractor payroll: $11,900,000

**PMRF Construction costs:**
- FY 91: $5,807,000 (estimated)
- FY 92: $7,400,000 (estimate)
- FY 93: $14.5 million (estimate)
- FY 94: $14.8 million (estimate)
- 13 family housing units
- 44 special projects

**PMRF Purchases (FY 91):**
- Total purchases $5,363,329
- From small businesses $3,487,802

**PMRF Purchases (FY 92):**
- From minority businesses $727,132
- From large businesses $2,125,463
- Purchases within Hawaii $3,915,327
- Purchases within Kauai $3,296,000
- Purchases out of state $1,877,998

- According to First Hawaiian Bank Research Assistant Bill S. Akamine, Jr., PMRF is considered a "slable" employer on Kauai. Although it was difficult to determine our impact on Kauai's economy, he said "to date, Kauai has 29,200 jobs. However, a sizable portion is part-time jobs in the visitor and service industries. We can probably assume that most jobs generated by PMRF are full-time jobs that pay relatively well. Hence, in this respect, PMRF would be a major employer of higher paying jobs on Kauai."

**PMRF, a good neighbor:**
- Members of the PMRF ohana have supported the following activities:
  - Captain Cook celebration
  - Armed Forces Day parade
  - D.A.R.E. and "Just Say No" Waimea High School Volleyball Tournament
  - FICA Toys for Toys Campaign
  - Annual surfing contests
  - Sailing
  - Kauai Educational Association for Science and Astronomy (KEASA)
  - Adopt a School Program
  - Officer for a Day Program
  - Manaohi flood support
  - Rotary participation to include $10,000 scholarship
  - Chamber of Commerce participation
  - United Way
  - Recycling program
  - Federal Junior Fellowship Program (scholarship)

- We here at PMRF are especially proud of the Federal Junior Fellowship Program. The program is a career-related, work/study program for students who are pursuing a baccalaureate or associate degree, or an undergraduate certificate or diploma. This scholarship program pays tuition, books and travel expenses for the student.

**Additional points:**
- PMRF has a full-time environmental engineer and actively supports maintenance of endangered species of plants and sea mammals that are found on base and on our beaches.
- PMRF's OS1 safety officer, who is also a Hawaiian minister, advises the command on Hawaiian tradition, customs and sensitives.
- PMRF's underwater data collection equipment is also used by the University of Hawaii for special data collection on whales and other marine creatures.
- PMRF provides area help to KPD, offers medical aid and search and rescue services, EMT support and our fire department works closely with the County fire crews to support the community.
- PMRF Range boats have saved the lives of fishermen/restaurants at sea and towing in故障 vessels.
- PMRF provides heavy equipment and labor support to the State of Hawaii Department of Land and Natural Resources for repair of the access road to Poipu Beach Park. Additionally, we support the County of Kauai with labor and equipment when County officials have requested.
2. Information derived from the Draft Environmental Assessment reflect PMRF's total expenditures totaling $72.5 million (this figure includes all activities and tenant organization expenditures).

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Shortly after WWII, an underlying in the State Department conceived the idea of a "cold war", sold the idea to the Secretary of State, who in turn sold it to the Administration and the terrifying arms race was born. Communist Soviet Union was selected as the cold war threat and we are draught into the nuclear arms build-up. Their involvement ended last year in Red Square when the military did not fire on the people assembled to protest.

Thus, the contrived reason for the cold war no longer existed.

Throughout history mankind has been threatened with disease, pestilence, plague, starvation, drought, natural disasters and wars, but mankind has never had a threat as great as the nuclear weapons build up the U.S. cold war Initiative created.

That is one of the issues in this protest against Star Wars.

In Astoria, Oregon when my wife Sally O'Donnell, a County Commissioner, was trying to protect the Nuclear Free Zone County from the entry of the Trident Nuclear Submarine Alabam, she was told by the Navy that the people may not want us, you may legislate against us, but it really doesn't matter, the U.S. military will do what it wants to do in your County.

We were also told that the Alabam, when armed, and we can't tell you if it is armed at this time, has more firepower than everything combined that was used during WWII, in fact more firepower than all firepower expended since the beginning of time.

Name: Senor P. O'Donnell
Address: P.O. Box 3500, McLay, P.O. Box 629, Huntsville, AL 35802-3801

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallen)
P.O. Box 1500
Huntsville, Alabama 35807-3801
ClibPDF - www.fastio.com

Comments
O'Donnell
Page -2-

Nuclear weapons, nuclear submarines, which incidentally are regularly off the shores of Kauai and missiles do not belong on Kauai; THEY DO NOT BELONG ANYWHERE.

Western European nations do not want our nuclear military installations.

The Philippines do not want them

Japan doesn't want them

Australia doesn't want them

Mayor Dinkins of New York City doesn't want them

THE PEOPLE OF KAUAI DO NOT WANT THEM!!!!!!!!

In addition, the spurious argument about the positive economic impact of a military installation is an insult to our intelligence.

The big losers in WWII, Japan and Germany have the strongest economies in the world, primarily because they did not have to waste money and resources on building armaments.

In contrast the Soviet Union has been bankrupt by the cost of the cold war and the United States has become a second rate economic power because of the cost of "defense."

When the people of Russia turned back the military in Red Square it left the United States as the only "advanced" nation that believes the world's problems have a military solution. How ridiculous is that position? What problems did the carnage the United States inflicted in Desert Storm solve?

This century began with countries who dealt in military colonialism ruling the world. Great Britain, the model the U.S. has tried to emulate was the strongest of these powers. But, in this century Britain has lost its colonies, its power, and has become a fifth rate nation.

The age of military colonialism and military conquest has passed. Not one country taken over or losing a war has remained permanently under the domination of the conqueror in 80 years.

It is ironic that Hawaii, a victim of U.S. military colonialism, has taken so long to regain its independence. Its independence it will regain will not be the independence it gave up, but when the military domination of Kauai ends, which is now represented by Star Wars and the military facilities here, the native Hawaiians will regain their homelands (because only the gun to the head has held back the restoration) and the rest of the State will begin to get out from under the false $3 billion dollars of military expenditure that costs far more than it contributes.

ADDENDUM:

On the second day of the public hearing the New York Times published an op-ed page an article headed "Star Warriors on Sky Patrol."

That article is included with this testimony with the highlighted areas being of particular importance.

NEW YORK TIMES OP-ED - WEDNESDAY, MARCH 25, 1992

"The cold war had ended. Governments on both sides of what had been an iron curtain were making plans to convert nuclear weapons laboratories to civilian purposes and to begin dismantling their huge arsenals of nuclear missiles.

But on a bitterly cold January morning in New Mexico, a hundred scientists gathered at the Los Alamos National Laboratory to discuss new nuclear armaments. Many of the nation's top experts on nuclear weapons and Star Wars were there, including the legendary father of the H-bomb, Edward Teller. The press was barred from the meeting.

It was a call to arms, according to reports of some people who were there. One speaker called for a fleet of 1,200 powerful new missiles to be made ready and armed with the world's entire arsenal of nuclear warheads. Dr. Teller himself urged the development of a new superbomb--ten times more powerful than any bomb ever built, a bomb so powerful it could never be detonated on Earth."
Attendance/Mailing List

(Please print)

Name: James M. O'Connell
Street: P.O. Box 3200 - HSC 144
City: Pearls, WA 96722
State/Zip Code

☑ Please check box if you would like to be added to the Strategic Target System mailing list.
Dear Senator Inouye,

We do not want to have the Star Wars Program on Kauai. We are concerned not only about the unforeseen environmental impacts and more damage to the ozone layer, but also negative consequences for the tourist industry, our main source of income.

We ask you to use your influence to stop it and respect the fragile balance and ecology of this small island.

Mahalo,

Ann Matthews
P.O. Box 869
Kilauea, HI
96754

Name: Chia Granda
Address: U33 Kau'iu, P.O. Kaua'i, Kaua'i, HI 96746

I signed
Dear Mr. Gallien,

I live here on the island of Kauai, and to say that I am appalled at the recent information I've been hearing would be a gross understatement. I am very much against the recent Star Wars proposal. My vote against it would be based upon the many facts I've found.

1) The pollution to our very unique environment
2) The awful safety record of the launchings
3) It would put Kauai high on the hit list for opposing threats in a crisis of war, as opposed to a less populated island.
4) The lies that Aldrin Saucier revealed about where our large amounts of tax dollars go.
5) Lastly, the despicable acts our country places upon another people and their land. We infected and ruined the Marshall Islands like an epidemic.

Don't involve me and my island in your power and money struggle. The world is sick enough.

Yours sincerely,

[Signature]

Mark H. Damron
P.O. Box 706
Hanapepe, HI 96716
Dear Senator Inouye,

I do not want to have the Star War program on Kauai.

We are concerned not only about unforeseen environmental impacts and more damage to the ocean floor, but also negative consequences for the tourist industry, our main source of income.

The outcome the whole issue has already on the relationship of the islands is something very sadening.

We ask you to use your influence to stop it and respect the fragile balance and ecology of this small island.

Sincerely,

Svenja Emrich
P.O. Box 818
Kauai, Hi, 96754

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The Draft EIS is totally insufficient and was not conducted by an independent organization. The main source of income on Kauai is the tourist industry. Our tourists are attracted by the natural beauty of the island. The EIS did not satisfactorily address adverse effects on our economy of an accident or even the potential of an incident. Kauai is home to many small businesses which will be significantly impacted by this project. For that reason it is totally unacceptable to continue. It is time we humans take responsibility for protecting the rest of nature.

Name: [Blank]
Address: [Blank]

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (W.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I would not like missiles here because I love the island I live on. I also have friends all over the island so wherever it landed it would be dreadful. Not only that it's an awfully expensive thing, even 4 years old in peace time. I think they should spend the money on something more useful. I like education or medical services. In school we are learning about our space, outer space, geography, and other countries. We should concentrate on finding peaceful solutions with misunderstanding with other countries. Kauai is a very peaceful island almost like Paradise used to be. To turn it into a military target would ruin it and its beauty. Why don't you put it somewhere where there is nothing to ruin in any way like families, beauty, or peacefulness.

How about putting it in the North Pole or the Aleutian Islands? You wouldn't hurt very much and it could reach a lot more places.

Sincerely,

[Signature]

Name:

Address:

City/State/Zip Code:

Please hand this form in or mail by April 30, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attn: CSSO-ENV (D.R. Callen)
P.O. Box 1500
Huntsville, Alabama 35807-5801

4/10/92

Dear Senator Inouye and Mr. Gushen:

I strongly oppose the idea of the Star Wars program on the island of Kauai for many reasons.

As a member of this community and a supporter of PMRF, and a United States citizen, I urge you to put a stop to the idea of STAR WARS Program here.

I also have 3 teenage boys who feel the same as their mother.

Thank you.

Debbie Stokes

4720 Pehai Rd

Kapaa, HI 96746
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I have a copy and have reviewed the cells. I am not surprised to believe its extraordinarily no significant impact on the environment of the area. The impact of the project on the environment is minimal. I am not aware of any significant impact on the environment. In fact, I believe the project will have a positive impact on the local community. I encourage you to review the project documentation and provide your comments.

I would like to commend you for your efforts in preparing the draft statement. I believe the project will have a positive impact on the local community.

I appreciate the opportunities for public comment. Thank you for providing this opportunity.

Name: [Redacted]
Address: [Redacted]

Please return this form in or mail by April 13, 1992.
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

I have to believe it is a rumor that was purposely planted in order to increase the chances at putting together a group to stand up and fight for the project. In actuality, they were fighting for their jobs.

This is important. I didn't hear people pushing for the missile launches because of the benefit to America's security. Some have opinions as to the benefit of such a program. No, people spoke up for the program. For their jobs. This is unequal programming. It is using fear as a tactic. And it only serves to diminish my faith in your leadership.

Also, I would like to know (I would appreciate a response here) who printed the T-shirts worn by the workers? The people wearing them, and I asked several, said they didn't know who produced them, that they were dropped off at the range. Were these shirts paid for by the government? I sincerely hope not.

Thank you for giving me this opportunity to express myself.

[Signature]

1
Deputy Commander  
U.S. Army Strategic Defense Command  
Attn: CSSD-EN-V (D.R. Gallien)  
P.O. Box 1300  
Huntsville, Alabama 35807-3801  
P.O.B. 189  
Anahola, Kaua’i  
25 March, 1992

I attended the first round of hearings on the Army EIS last night not intending to speak, but after I went home last night I thought about what people on both "sides" (if you want to divide our community in that fashion; I do not) had to say. As someone who has had both friends and family in the service, and who probably would have enlisted had there been better jobs offered to women when I was of an age to sign up, I have always admired the military ideals of selfless dedication, courage and integrity. As a ten-year resident of Kaua’i, I also appreciate the contributions and concerns of my fellow-citizens who work at Pacific Missile Range Facility. I know that they are honest, intelligent people and good neighbors. I probably would support the STARS program if I felt that its elimination would imperil either our local economy or our national defense.

What I have learned from my study of the question, however, is that not even those who have the most to gain from implementation of this program completely agree as to its worth. I have heard disagreements between members of the armed services about a) the technology itself b) the consequences to PMRF and c) the long-term and wide-range effects of STARS on our national defense. Is it wise for ordinary citizens like myself uncritically to support a program that even the experts argue about?

This concern alone would be enough to convince me that you should not press forward at this time. Other matters, unaddressed by the present EIS, also prompt my disquietude.

I know enough about world history and current events to know the necessity of a strong defense and the precariousness of the present world situation. I also know, however, that no national defense can long shore up a society that is not in full possession of its moral faculties.

It has often been said that one measure of a nation's or of a culture's strength is its treatment of its weakest members. Pacific Basin cultures have a long and not very illustrious history of ill-treatment of their weakest: ethnic minorities and untouchables in Japanese society, kūā in ancient Hawai‘i, to name only two. Now we can add Pacific islanders, Micronesians and Hawaiians, to this sad company.

Does this have to be? Cannot we learn enough of the lessons of history to stop this? How can we defend our nation by trampling on the lives of its people? How can we secure the homes and families of Kaua‘i's citizens by destroying those of Kwajalein's?

What I propose is that you postpone the STARS program until the grievances of this country's powerless ones have been healed. I also propose that the money, technology, and expertise presently allocated to STARS be redirected to help the people of Kwajalein regain their homes, and to help native Hawaiians on Kaua‘i re-establish theirs. I have heard testimony from employees of PMRF who are experts in environmental science, engineering, and construction. Why not offer them jobs rebuilding Kwajalein, constructing homes for Hawaiians on crown lands presently used by PMRF, or restoring the Nohili marshlands to something like their prehistoric condition? Isn't one of these projects as great a moral, technical or intellectual challenge as STARS? Don't our people, our workers, deserve jobs worthy of their talents and skills, and don't our citizens, ALL our citizens, deserve the blessings of home and family? I ask that you reconsider allocation of our precious national resources to a program of questionable value to our national defense, and instead assign them to works that will unquestionably benefit those who most deserve their fellow-citizens' compassion and help.

He‘ionālani M. Wreth

[Signature]
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I have recently moved to Kauai where I will give birth to my first child this spring. I came to Hawaii because of its untainted beauty and healthy, unpolluted environment. I am appalled to find out that there is now an industry as well as the safety of my life and that of my unborn child.

The Star Wars Program is ridiculous. It is impossible that we could ever build and maintain 30,000 F-15s. How do the US govt. hope to pass off $20 Billion as innocuous to the environment and its inhabitants? The insanity and anguish the presence of nuclear missiles has caused the indigenous people of the Marshall Islands is inhumane.

Name: Melissa Morrow
Address: General Delivery, Kilauea, Kauai, HI 96754

Please hand this form in or mail by April 13, 1992 to:
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D. R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-8001

They must be compensated for the unconscionable harm already committed against them. No further testing can be tolerated.

Though these “war toys” destroy enough lives, damaged enough of our ecosystems, and rendered enough land uninhabitable? Please keep these “death machines” off Hawaii. The Pershing Missiles have been proven to be ineffective and should be obsolete! We cannot afford even one catastrophe on such a small and delicate island.

Please act in accordance to your higher conscience and be listens on this issue, as it will inevitably have global consequences.

I beseech you to stop the SDI’s program and protect the future of Kauai and the Pacific Islands.

Thank you,

Melissa Morrow
Deputy Commander
U. S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

April 21, 1992

Dear Sir:

Subject: Draft Environmental Impact Statement (DEIS) for the Strategic Target System

Thank you for allowing us to review and comment on the subject document. We have the following comments to offer:

On September 26, 1990, in a letter addressed to Mr. Randy Gallien, we commented on the Revised Preliminary Final Environmental Assessment for the Strategic Target Systems in Kauai. These comments are still applicable, and a copy of that letter is enclosed. The only additional comments that we would make at this time are the following:

1. A serious concern exists as to the devastating impact an early termination of the booster, either on the launch pad or just above the launch pad, would have on the surrounding environment and human health. When the booster is terminated, both burning and unburned booster propellant, along with the hydrazine and nitrogen tetroxide liquid propellant in the rocket, will be dispersed over a wide area.

2. The draft EIS does not address the effects these dispersed chemicals would have on the environment and the risks posed to human health. It also does not fully cover what actions will be taken to clean-up the chemical contamination and to handle the disposal of the contaminated hazardous waste. The final EIS should address these issues and include a contingency plan which would be used in a response to an accident of this type.

3. The EIS should disclose the extent of heavy metal and corrosive releases expected from normal atmospheric flight operations.

If you should have any questions, please contact Mr. Michael Miyasaka at 586-4226.

Very truly yours,

John C. Lemin, M.D.
Director of Health

cc: Solid and Hazardous Waste Branch
Mr. Randy Gallien, USAID CSEED-EN
106 Wynn Drive
P.O. Box 1862
Huntsville, Alabama 35802-3801

September 26, 1990

Dear Mr. Gallien:

Subject: Comments on the Revised Preliminary Final Environmental Assessment for the Strategic Target Systems (STARS)

Thank you for allowing us to review and comment on the subject document. We provide the following comments:

Air Pollution

The Environmental Assessment should provide as an appendix a detailed discussion on the air quality impact analysis. As a minimum, the following areas should be addressed:

1. The air pollution dispersion models and the meteorological conditions used in determining the air quality impacts should be clearly described along with any deviations or assumptions.

2. Since each launching is a limited-term event, the impacts should be determined for a shorter averaging period. A 1-hour average concentration is preferable to the 8-hour average concentration as reported.

3. The impact is calculated for a distance of 3,000 meters from the launch pad. The impact should be calculated for maximum concentration at or beyond the property line and also at the nearest residence.

4. The assessment of the emissions and the air quality impacts resulting from a liquid fuel spill, a launch pad explosion, and an early launch termination should be conducted.

5. It is not clear whether only solid propellant boosters will be used or whether liquid propellant may be used as an alternative. The air quality assessment should consider the impacts resulting from all the various types of boosters that might be employed.

Solid and Hazardous Waste

The report does address our concerns related to the generation and proper management of hazardous waste.

Hazard Evaluation and Emergency Response

1. The transportation safety plan for Hydrazine and Nitrogen tetroxide shipments should include the notification of both the State Civil Defense Agency and the Kauai County Civil Defense Agency.

2. For spills occurring during fueling/dumping of Hydrazine and Nitrogen tetroxide, "washing down to dilute concentrations" is not the best method for clean-up of these chemicals. Using sand or other absorbent material is the method of choice. Water spray should be used to control vapors (DOT 1990 Emergency Responses Guidebook).

Otherwise, this report has adequately addressed the toxicological and health related aspects of the chemicals involved.

Noise

The Environmental Assessment contains no information on projected noise levels from STARS vehicles, therefore, the potential noise impacts on residential communities cannot be assessed.

The report indicates that noise impacts would not be significant since the noise is a one-time event, launches will not be simultaneous and the nearest noise sensitive area (residential), of base, is eight miles from the launch site. However, single events with noise levels significantly above the ambient levels will result in disturbances in terms of annoyance. This environmental assessment must include an analysis on the potential noise levels at the various communities that may be affected.

Sincerely,

Bruce S. Anderson
Deputy Director for Environmental Health

cc: Office of State Planning, Attention: John Nakagawa
Robert F. Shearer
Page 2

This has been discussed in the EA for STARS and EDR (USASDC) and should be stated in this section. We are reviewing the draft document on this traditional cultural property now.

2. On page 3-28, archaeological testing has occurred in various areas within KTF, and some deposits were found near bore holes 93 and 84. We do not use the wording "negligible subsurface findings". Should this project have impact in this area, additional archaeological subsurface testing would be done to determine the extent of the deposits.

3. Under this section, additional archaeological reports have been done which should be synthesized and included in the FEIS. The reports are: Drollet (1991b), Yant (1991), Shan (n.d.). Walker and Rosenfield (1990), Jones (1992), Leidemann and Kirchmeie (1990), Smith (1990), Douglas (1989), and Schiltz (n.d.).

4. Under Section 4.5 Cultural Resources, page 4-30, your DEIS mentions figure 4.5.1.2, but nothing is mentioned about what will be done if a fire does occur in the dune area. Previous fires at KTF were extinguished by dousing the sand on top of the fire, this practice should be avoided. The best mitigation for historic site protection may well be to let the fire burn itself out. The FEIS should describe mitigative fire control measures during a fire. We agree with the postburn archaeological survey.

All discoveries should be treated under NAGPRA, unless an NOA (the NEH's draft Burial Treatment Plan) is signed. You should be aware under NAGPRA, all work in the area must cease for 30 days, and a letter written immediately from the base commander to the NOAA and Hui Māliea 1 Ma Kapone o Hawai'i nei.

You have set up a contingency plan for mitigation should significant historic sites or burials be discovered. This is not in accordance with NAGPRA. We believe the following steps should be included in the plan:

1. All work in the area would be stopped, no further disturbance should take place until the situation is assessed. Human remains should be covered and the site area stabilized.

2. Consultation with all pertinent parties (KTF, DOE, U.S. Navy Archaeologists, NOAA, and appropriate Hawaiian groups) shall occur to determine the appropriate form of mitigation (data recovery/preservation).
If you have any questions regarding this matter, please contact Ms. Nancy McIntosh, our staff archaeologist for the County of Kaua‘i at 827-0066.

Very truly yours,

WILLIAM W. PATY
Chairperson and State Historic Preservation Officer

CC: Rob Homan, US Navy Archaeologist
CNR (fax)
Kaua‘i Island Burial Council
Tire, Kealakekua, Advance Science, Inc.
Advisory Council, Western Region

NM: sty
CHAPTER 3
LIST OF PREPARERS
CHAPTER 3

LIST OF PREPARERS

Stan Berryman, Social Resources Group Director, Advanced Sciences, Inc.
B.A., 1970, Anthropology, San Diego State University
Area of Responsibility: Cultural Resources
Years of Experience: 17

Anita Boyd, Senior Production Editor, Advanced Sciences, Inc.
B.A., 1979, English, University of California, San Diego
Area of Responsibility: Production Editor
Years of Experience: 6

Fernando Bran, Ordnance Safety Specialist, Pacific Missile Range Facility
B.A., 1984, Business Administration, University of Hawaii
Areas of Responsibility: Launch and Ordnance Safety
Years of Experience: 21

James L. Dawson, Supervisory Program Analyst, Pacific Missile Range Facility
1965 - 1970, Electronic Technician
1970 - 1981, Engineering Technician
1981 - Present, Program Analyst
Area of Responsibility: Program Documentation Support
Years of Experience: 26

Kevin Donnelly, Director, Environmental Programs, Harris Group
M.S., 1982, Engineering Management, Air Force Institute of Technology
B.S., 1981, Civil Engineering, University of New Hampshire
Areas of Responsibility: Biology, Hazardous Waste
Years of Experience: 10

Ron Freeman, Natural Resources Group Director, Advanced Sciences, Inc.
B.S., 1971, Wildlife Management, Humboldt State University
A.A., 1967, Life Science, Mesa College
Area of Responsibility: Biological Resources
Years of Experience: 18

Dennis R. Gallien, Environmental Engineer, U.S. Army Strategic Defense Command
B.S., 1979, Industrial Chemistry, University of North Alabama
Area of Responsibility: EIS Program Management
Years of Experience: 12
Richard Gonzalez, Project Engineer, U.S. Army Strategic Defense Command  
B.S., 1978, Mathematics/Chemistry, University of Texas at El Paso  
Areas of Responsibility: Description of Proposed Action and Alternatives  
Years of Experience: 14

Tirzo Gonzalez, Archaeologist, Advanced Sciences, Inc.  
B.A., 1976, Interdisciplinary Sciences, University of California, San Diego  
Area of Responsibility: Cultural Resources  
Years of Experience: 12

Albert Goodman, Senior Engineer, Advanced Sciences, Inc.  
Ph.D., 1960, Physical Sciences, University of New Mexico  
M.S., 1955, Physical Sciences, University of New Mexico  
B.S., 1945, Physics, City College of New York  
Areas of Responsibility: Description of Proposed Action and Alternatives  
Years of Experience: 44

Donald G. Hagedorn, Socioeconomist, Advanced Sciences, Inc.  
B.A., 1989, Economics, Loyola Marymount University  
Area of Responsibility: Publications Support  
Years of Experience: 15

Irene E. Hofer, Aerospace Engineer, Pacific Missile Test Center  
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B.S., 1958, Aeronautical Engineering, Purdue University  
Areas of Responsibility: Public Health and Safety  
Years of Experience: 33

Robert Inouye, Environmental Engineer, Pacific Missile Range Facility  
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Areas of Responsibility: Socioeconomics, Infrastructure, Noise  
Years of Experience: 30

Richard Irwin, Senior Engineer, SRS Technologies  
B.S., 1981, Liberal Arts/Geology, University of New York  
Areas of Responsibility: Description of Proposed Action and Alternatives  
Years of Experience: 10

Richard S. Ivey, Vice President, Planning, CH2M HILL  
M.A., 1955, Political Science, University of California, Berkeley  
B.A., 1950, Political Science, Reed College  
Areas of Responsibility: Senior Review, Visual, Socioeconomics  
Years of Experience: 40

Vincent Izzo, Project Environmental Specialist, The Earth Technology Corporation  
B.A., 1985, Geography, California State University, Northridge  
Areas of Responsibility: Infrastructure, Public Health and Safety  
Years of Experience: 4
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Areas of Responsibility: Public Health and Safety
Years of Experience: 17

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Areas of Responsibility: Description of Proposed Action and Alternatives
Years of Experience: 26

Cheryl Kimura, Electronics Engineer, Pacific Missile Range Facility
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Area of Responsibility: Socioeconomics
Years of Experience: 3

Aubrey H. Kunishige, Program Manager/Ops Conductor, Pacific Missile Range Facility
Areas of Responsibility: Description of Proposed Action and Alternatives
Years of Experience: 21

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M.A., 1984, Public Affairs and Urban and Regional Planning, Princeton University
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Area of Responsibility: Senior Review
Years of Experience: 7

Keith Lusk, Socioeconomist, Advanced Sciences, Inc.
M.A., 1985, Economics, State University of New York, Binghamton
B.A., 1983, Economics, San Diego State University
Area of Responsibility: Socioeconomics
Years of Experience: 5

LTC August C. Manguso, Product Manager, U.S. Army Strategic Defense Command
M.S., 1980, Industrial Engineering, University of Pittsburgh
B.S., 1972, U.S. Military Academy
Areas of Responsibility: Description of Proposed Action and Alternatives
Years of Experience: 19

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B.S., 1968, Zoology, Colorado State University
Area of Responsibility: Air Quality
Years of Experience: 13
Stephen H. McDougle, Senior Engineer, Lockheed Engineering and Sciences Company
B.S., 1973, Chemical Engineering, Northeastern University
Area of Responsibility: Hypergolic (Liquid) Propellants, Public Health and Safety
Years of Experience: 4

Rickie Moon, Environmental Scientist, Teledyne Brown Engineering
B.S., 1977, Chemistry/Mathematics, Samford University
Areas of Responsibility: Hazardous Waste
Years of Experience: 7

Walter Odening, Vice President, Western Region, Advanced Sciences, Inc.
Ph.D., 1971, Botany (Ecology), Duke University
M.S., 1968, Biology, San Diego State University
B.S., 1963, Biology, San Diego State University
Area of Responsibility: Program Director
Years of Experience: 23

Lawrence Pulido, Electronics Technician, Pacific Missile Test Center
1971 to 1974, Aerospace Engineering Technician, Launching and Ordnance Branch
1974 to 1984, Supervisor Electronics Section, Senior Electronic Technician, Surface Launch
Areas of Responsibility: Public Health and Safety
Years of Experience: 37

Leo Rahal, Senior Scientist, Advanced Sciences, Inc.
Ph.D., 1977, Physics, University of New Mexico
M.S., 1964, Physics, University of Detroit
B.S., 1962, Physics, University of Detroit
Areas of Responsibility: Description of Proposed Action and Alternatives
Years of Experience: 26

William E. Rawson, Environmental Engineer, U.S. Army Strategic Defense Command
B.S. EE., 1964, Electrical Engineering, Auburn University
Area of Responsibility: Program Documentation Support
Years of Experience: 27

Nelson Rodrigues, Director, Advanced Technology Group, Advanced Sciences, Inc.
M.S., 1968, Astronautical Engineering, Air Force Institute of Technology
B.S., 1966, Nuclear Engineering, Lowell Technical Institute
Areas of Responsibility: Description of Proposed Action and Alternatives, Noise
Years of Experience: 23

Irwin D. Smith, Operations Director, National Aeronautics and Space Administration
B.S., 1958, Chemical Engineering, New Mexico State University
Areas of Responsibility: Hypergolic (Liquid) Propellants, Public Health and Safety
Years of Experience: 33
Tamara West Smith, Senior Editor, CH2M HILL
Ph.D., 1976, Political Science, New York University
M.A., 1972, Philosophy, New York University
B.A., 1965, Philosophy, New York University
B.S., 1963, Political Science, City College of New York
Area of Responsibility: Project Editor
Years of Experience: 33

Joan Solinsky, Manager, Publications Department, Advanced Sciences, Inc.
B.A., 1968, English, University of California, Davis
Area of Responsibility: Managing Editor
Years of Experience: 24

Averiet Soto, Senior Project Analyst, SRS Technologies
A.A.S., 1978, Electronics Technology, Boise State University
Areas of Responsibility: Description of Proposed Action and Alternatives
Years of Experience: 12

George Wandler, Senior Project Manager, Advanced Sciences, Inc.
M.B.A., 1978, Business Administration, University of Tennessee, Knoxville
B.B.A., 1969, Business Administration, Memphis State University
Area of Responsibility: Technical Support
Years of Experience: 20

Bruce K. Will, Aerospace Engineer, Pacific Missile Test Center
M.S., 1971, Electrical Engineering, University of Idaho
B.S., 1963, Electrical Engineering, University of Idaho
Areas of Responsibility: Public Health and Safety
Years of Experience: 28

Jan M. Williams-Rice, Wildlife Biologist, Advanced Sciences, Inc.
B.A., 1990, Biology, San Diego State University
Area of Responsibility: Biological Resources
Years of Experience: 2
CHAPTER 4

REFERENCES


———. 1992. Hawaii Department of Land and Natural Resources, Division of State Parks. Personal communication. 16 April.
CHAPTER 5
INDEX
# CHAPTER 5

## INDEX

<table>
<thead>
<tr>
<th>Name (Last, First)</th>
<th>Comment Code</th>
<th>Document Location*</th>
<th>Response Location (Vol. 1 Page #)</th>
</tr>
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<td>WR140-1</td>
<td>2-129</td>
<td>3-69</td>
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<td>WR75-1, WR159-1, WR159-2, WR160-1, WR160-2</td>
<td>2-87, 2-142, 2-143, 2-143, 2-143</td>
<td>3-64, 3-71, 3-71, 3-71, 3-71</td>
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<td>2-134</td>
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<td>EX74-1, WR13-1</td>
<td>1-79, 2-12</td>
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<td>OR124-1, EX55-1, WR38-1</td>
<td>2T2-99, 1-58, 2-29</td>
<td>3-38, 3-48, 3-60</td>
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<td>2-133</td>
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<td>2T2-81, 2T2-82, 1-63, 1-63, 1-63</td>
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* OR comments located in Volume II
  EX/WR comments located in Volume III
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EX/WR comments located in Volume III
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<th>Document Location*</th>
<th>Response Location (Vol. I page #)</th>
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<td>2-207</td>
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<td>WR217-1</td>
<td>2-179</td>
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<td>2-235</td>
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* OR comments located in Volume II
EX/WR comments located in Volume III
<table>
<thead>
<tr>
<th>Name (Last, First)</th>
<th>Comment Code</th>
<th>Document Location*</th>
<th>Response Location (Vol. I page #)</th>
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<td>2T2-89</td>
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<td>2-104</td>
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* OR comments located in Volume II
EX/WR comments located in Volume III

5-4
<table>
<thead>
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EX/WR comments located in Volume III
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EX/WR comments located in Volume III

5-21
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EX/WR comments located in Volume III

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5-42
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EX/WR comments located in Volume III
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