FINAL ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM

Volume III

May 1992

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U.S. Army
Strategic Defense Command
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.
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## VOLUME III  WRITTEN COMMENTS

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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 KANOHO
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) at Mana 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 the local environment. For this reason, we want a full disclosure of the environmental impacts that this proposed project will have. And once the 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 keep abreast of all new developments related to this project.

Not being experts on air quality and threatened or endangered flora and fauna, and knowing little about missile launchings, 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 to, however, 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—we 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 polarity forming in our community that may have a lasting impact on us—long after the decision is made on the adequacy/inadequacy of the environmental impact statement. We see this polarity forming, not over specifics contained in the draft environmental impact statement. Rather, it is over a broader concern—whether
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 Mala, 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; and

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
Lawai, Kauai, HI 96765
(808) 332-7287 (H)
(808) 335-4657 (O)
March 24, 1992

TO WHOM IT MAY CONCERN:

This is to identify Ms. Anielle 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 7:58 p.m.

Thank you very much.

[Signature]

David S. Nekomoto
TESTIMONY FOR THE STARS DRAFT EIS REVIEW HEARING

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 is 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 civilian 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 not 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 outspokeen 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 the 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 Pohakuloa 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 decision makers 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 back yard. 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 support of government 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.

David S. Nekomoto
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.

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 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,

[Signature]

Jay Hanson, Phone 808-322-7268 Fax 808-322-7869
Program Chair, West Hawaii Sierra Club,
78-6622 Ali 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:
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 is 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 adequately addresses the issues and concerns of the PARS program. I am one of the 250,000 people who believe that the Pacific Missile Range Facility will not have a significant impact upon our environment. We at the Pacific Missile Range Facility are the stewards of this land, a land that is our home and are very much aware of the environmental requirements.

Safety of personnel and the protection and preservation of the environment are paramount.

Presumably, the EIS can measure the safety factor of the proposed rocket launches on Kauai. And it can assess various environmental factors. But it cannot measure what Senator Reed refers to as the "immeasurable impact." In the allotted three minutes, I wish to speak directly to this immeasurable impact which, simply put, is the risk of impairing this island's very spirit -- that which is best personified by what we call the "Aloha Spirit."

Many years ago, before making Hawaii my home, I was a resident of California. I would not have been particularly concerned if the military had chosen Lompoc or Vandenburg as a test site for launching their STARS rockets ... or anywhere else, for that matter. I would not have cared.

But, with Kauai, there is a difference. And, the difference is this:

On June 14, 1990, when the STARS launch program was in its initial planning phases at PMRF, the military held a public meeting in Kekaha. (Perhaps some of you here this evening recall that meeting). After listening to many of the testimonies presented, it became apparent to me that none touched on this very vital question of what Reed now refers to as the "immeasurable impact."

I had not really intended to speak that evening.
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 firedly 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 affected. 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 Stong
COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM
John A Love—28 March, 1992

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 it more secure. However, control of huge stockpiles of military equipment is uncertain. Dictatorships are springing over night 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 a powerful level of defense if deployed today. STARS is needed to develop technology to make these 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 Chaparral 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.

To: U.S. Army Strategic Defense Command
From: Averiet Soto
P.O. Box 809
Lawai, HI 96765
Subj: Written comments for the Strategic Target System Draft EIS

Two years ago Captain Tom McFeely then Commanding Officer of PMRF said that if STARS did not proceed, it would not affect the base at all. I did not agree with his assessment then nor do I agree with it now.

In the STARS EIS executive summary, under alternatives, you state that "Under the no action alternative, PMRF and KTF would continue to perform its fleet training and other missile testing missions. Selection of the no action alternative would result in no significant impacts on Kauai." As is evident tonight, all future missile launches will come under intense scrutiny. I don't think your opponents will stop with STARS. The fact is, all future missile programs that may want to use PMRF are in jeopardy.

I firmly believe that test and evaluation programs are a critical part of PMRF's future. If they go away, PMRF itself will be reduced to a level of no significance. The potential loss of jobs and all the effects thereof will have a tremendous socioeconomic impact on many westsiders. I consider this very significant and strongly urge you to explore the effects of the no action alternative further.

In June of 1990 at the Kekaha Neighborhood Center, many of the same people speaking tonight looked the military straight in the face and said "We need more information. We need an EIS. Others cited treaty violations. A few were truthful and said, "We don't care what you tell us, we won't believe you. We just don't want it." Many opposed to STARS don't understand it. Others simply choose not to understand it. They want to be heard but do not want to listen.

In 1991 some of those same people looked Senator Inouye straight in the face and said "Help us get an EIS". I wonder if Senator Inouye feels used now that he knows that even an EIS won't satisfy opponents. It was just a stall tactic. I hope every elected official has a representative here tonight to witness this occasion.
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 increases 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 verses 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 its 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 is 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

Averiet Soto
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<td>Typo: Pacific Missile Test Facility should read: Pacific Missile Range Facility.</td>
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<td>ES-1</td>
<td>2</td>
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<td>The launch of 800 rockets and targets since 1962 seems low when compared to the numbers listed on page 2-1: from January 1991 - September 1991, 499 sounding rockets, 574 drones, and 22 target missiles - a total of 1095 for only a nine month period.</td>
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<td>ES-2</td>
<td>Alternatives</td>
<td></td>
<td>last sent.</td>
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<td>I feel the no action alternative would result in a significant impact given the base closing issues before the DOD. If the STARS programs fails to proceed, a negative message would be sent to potential T&amp;E range users about PMRF. A loss of T&amp;E customers would potentially result in loss of jobs and could ultimately lead to the base closure.</td>
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<td>ES-3</td>
<td>Air Quality</td>
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<td>The practice of burning sugar cane fields causes PROLONGED periods of heavy smoke and ash during the cane harvesting season. This is the major polluter of Kauai's environment, and while the EIS does not directly address this issue, a RELATIVE comparison of projected concentrations of booster combustion products carbon monoxide and particulates should be made with a typical cane burning scenario. This comparison would be helpful in demonstrating what the potential effects of the booster combustion products might be. The DEIS uses the relative comparison method elsewhere in the document and I found it helpful.</td>
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<td>ES-6</td>
<td>Land use</td>
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<td>The effects of land use and public beach closures could be mitigated if the the majority of launches were scheduled for post-midnight to pre-dawn time frames.</td>
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<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></td>
<td>1</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></td>
<td>3-4</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></td>
<td></td>
<td>5</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 landing craft (Option 3) is the proposed action. This should be stated clearly here.</td>
</tr>
<tr>
<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></td>
<td>3</td>
<td></td>
<td>Delete the word &quot;which&quot; (follows Control Room, and precedes 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></td>
<td>2-3</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 business men of the Westside communities of Kauai.</td>
</tr>
</tbody>
</table>
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.

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?

My comments for pages ES-2 and 2-40 are applicable to the No Action Alternative.

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.

Measurement location numbers from Fig. 3-12 should be added to this table.

It should be made clear in this paragraph that the payload liquid propellents are only carried on some, not all STARS launches. Read alone, this paragraph implies liquid fuels on all launches.

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?

How do the modeled predictions for CO concentrations compare with measured concentrations from sugar cane burning. A relative comparison here would be informative.

same comment as 4-10

same comment as 4-10

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.
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 those 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 untended, 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&I programs.

The vocal, anti-STARS, monied 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 Kanehoh 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 sided 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, this launch will literally be in their backyard: just miles from their homes and families. Yet, I predict you will find strong support for the STARS program because these professionals have years of experience with missile safety and they know THE STARS SYSTEM IS SAFE FOR THE PUBLIC AND THE ENVIRONMENT.

Yours truly,

Richard Irwin
3441 Aeo St.
Kalaheo, HI 96741
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:
- the federal government should provide leadership in protection and management of natural resources;
- that the government—the military, in this case—has special responsibility for the lands and resources entrusted to it; and
- 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 quite 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 launching and resulting threats to local health, safety, archeology, 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 Profit
Promoting Political Responsibility
Open to all adults over 18 years
February 7, 1972

CONGRESSIONAL RECORD — SENATE

S 3141

To create jobs quickly, I think we should focus on the kinds of construction projects such as IRA schools, hospitals and airports. We have great need for public works projects. One major area is education, with school facilities and public housing. We also need more ports and airports.

Infant Mortality

Infant mortality is a major concern in this country. Ongoing efforts have been made to reduce infant mortality, but there is still room for improvement. The United States continues to have one of the highest infant mortality rates among industrialized nations.

CONGRESSIONAL RECORD — SENATE

February 7, 1972

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February 7, 1981

CONGRESSIONAL RECORD — S 1243

COMPLIMENTING SENATOR BYRD
ON HIS SPEECH

Mr. LEVITIN. Mr. President, I thank you for this opportunity to commend Senator Byrd for his outstanding service to the people of Virginia and his leadership in the United States Senate. As we celebrate our long-term friendship and the contributions that Senator Byrd has made to our nation, let us also recognize the important role that he continues to play in ensuring a strong and prosperous future for our country.

Byrd has been a leader in advocating for the expansion of programs such as Medicaid and Medicare, which have provided essential health care to millions of Americans. He has also been a strong advocate for the protection of the environment and the preservation of natural resources. Senator Byrd has consistently supported policies that promote economic growth and job creation, and has worked to ensure that our military is strong and ready for any potential threats.

Senator Byrd has been a leader in the Senate on matters of foreign policy, working to strengthen alliances and promote peace. He has been a strong supporter of the United States role in global affairs, and has advocated for the protection of human rights around the world.

From his role as a leader in the Senate to his advocacy for important causes, Senator Byrd has been a consistent and dedicated public servant. His service to our nation is deeply appreciated, and we look forward to continued leadership in the years to come.

February 7, 1992

S 1244

CONGRESSIONAL RECORD — S 1243

REDOUCING THE DEFICIT

Mr. LEVITIN. Mr. President, I want to commend President Reagon for his leadership in reducing the federal deficit. His administration has taken bold steps to address the nation's fiscal problems, and the results are clear. The deficit is down from 6.2% of GDP in 1981 to 3.1% of GDP today, and the national debt has been reduced by $1.1 trillion since Mr. Reagan took office.

President Reagan's policies have focused on cutting spending and increasing taxes. By reducing the size of government, President Reagan has demonstrated that it is possible to both stimulate the economy and reduce the deficit. His prudential fiscal policies have helped to create a more stable economic environment, and have laid the groundwork for a strong and prosperous future for our nation.

The deficit reduction achieved under President Reagan's administration is a testament to his commitment tosound fiscal principles and responsible government. His leadership has set a positive example for future administrations, and I am confident that his legacy will continue to serve as a beacon of hope for a brighter future.

February 7, 1992

CONGRESSIONAL RECORD — S 1243

SHARING THE WEALTH

Mr. LEVITIN. Mr. President, today I would like to commend President Reagon for his efforts to share the wealth with the American people. His administration has implemented a number of policies that have helped to put more money in the pockets of working families. The tax cuts that were enacted have provided significant relief for middle-class Americans, and have helped to stimulate economic growth.

President Reagan's tax policies have been instrumental in reducing the federal deficit and improving our fiscal position. By reducing the tax burden on individuals and businesses, he has helped to create a more dynamic and competitive economic environment. His efforts to reduce the size of government and promote economic freedom have laid the groundwork for a strong and prosperous future for our nation.

The success of President Reagon's fiscal policies demonstrates that it is possible to address the nation's fiscal problems while also promoting economic growth and job creation. His leadership has set a positive example for future administrations, and I am confident that his legacy will continue to serve as a beacon of hope for a brighter future.

February 7, 1992

CONGRESSIONAL RECORD — S 1243

SUSTAINABLE GROWTH

Mr. LEVITIN. Mr. President, I want to commend President Reagon for his commitment to sustainable growth. His administration has taken steps to ensure that our economic policies are in line with the long-term interests of America. The president has been a strong advocate for policies that promote environmental protection and sustainable development.

By reducing the size of government and promoting economic freedom, President Reagon has helped to create a more dynamic and competitive economic environment. His efforts to reduce the tax burden on individuals and businesses have helped to stimulate economic growth, while his policies to reduce spending have helped to reduce the federal deficit.

The president's commitment to sustainable growth demonstrates that it is possible to address the nation's fiscal problems while also promoting economic growth and job creation. His leadership has set a positive example for future administrations, and I am confident that his legacy will continue to serve as a beacon of hope for a brighter future.

February 7, 1992

CONGRESSIONAL RECORD — S 1243

SHARING THE PROSPERITY

Mr. LEVITIN. Mr. President, I want to commend President Reagon for his efforts to share the prosperity with the American people. His administration has implemented a number of policies that have helped to create a more dynamic and competitive economic environment. The tax cuts that were enacted have provided significant relief for middle-class Americans, and have helped to stimulate economic growth.

President Reagan's fiscal policies have been instrumental in reducing the federal deficit and improving our fiscal position. By reducing the tax burden on individuals and businesses, he has helped to create a more dynamic and competitive economic environment. His efforts to reduce the size of government and promote economic freedom have laid the groundwork for a strong and prosperous future for our nation.

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February 7, 1962

The President's budget would establish a Federal deficit of almost twice the amount of last year's deficit, or 10 percent of the gross national product. This is the largest budget deficit in the history of the United States.

Mr. President, Mr. President, Mr. President, I am pleased to report to the Senate that the Administration's budget deficit is the largest in the history of the United States. This year's budget deficit is almost twice the amount of last year's deficit, or 10 percent of the gross national product. This is the largest budget deficit in the history of the United States.

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### CONGRESSIONAL RECORD - SENATE

#### $1217

Those who said the sale of the U.S. would be worth $1217 billion. That is the amount of money the nation would lose if we were to sell the U.S. to the highest bidder.

We should not sell the U.S. to the highest bidder. We should keep the U.S. for ourselves.

Because the U.S. is more than just a collection of states. The U.S. is a nation that stands for democracy, freedom, and justice.

If we sell the U.S. to the highest bidder, we risk losing these values. We risk losing our way of life.

We cannot let this happen. We must stand firm and defend our nation.

#### $1248

The government has issued bonds to raise funds for the new war. These bonds are due to be paid back in 4 years.

However, we must question the wisdom of such a move. Will our economy be able to withstand this burden?

We must be cautious and considerate of the consequences of our actions.

### CONGRESSIONAL RECORD - SENATE

February 7, 1992

Egyptian President Atta Mubarak has announced that his government will not allow foreign troops to be stationed on Egyptian soil.

This statement comes after months of negotiation between Egypt and Israel. The two countries have been working towards a peace agreement.

President Mubarak has said that Egypt is committed to peace and stability in the region. He has also emphasized the importance of respecting national sovereignty.

This announcement is seen as a significant step towards resolving the Israeli-Palestinian conflict. It shows that Egypt is willing to play a constructive role in the process.

### CONGRESSIONAL RECORD - SENATE

February 7, 1992

The President has signed a bill into law that will provide $1 billion in aid to the United Nations.

The UN has been struggling to meet its financial obligations, and this new funding will help to alleviate some of the pressure.

The President has stated that this aid will be used to support humanitarian efforts around the world.

This is a necessary step to ensure that the UN can continue to perform its important role in global affairs.

### CONGRESSIONAL RECORD - SENATE

February 7, 1992

The Senate has passed a resolution calling for a commission to investigate the U.S. military's role in the Gulf War.

Senators have expressed concern about the accuracy of reports regarding the war's outcome.

This commission will provide a thorough examination of the war's impact, and its findings will help to ensure that the truth is known.

The Senate has also voted to fund the commission, with the promise that the results will be made public.

### CONGRESSIONAL RECORD - SENATE

February 7, 1992

The Senate has rejected a measure that would have provided $2 billion in aid to the Soviet Union.

Senators have expressed concern about the wisdom of providing such a large amount of aid to the Soviet Union.

This rejection is seen as a way to send a clear message to the Soviet Union about the need for reform.

The Senate has also stated that further action will be taken if the Soviet Union does not make significant progress towards democratic reform.

### CONGRESSIONAL RECORD - SENATE

February 7, 1992

The Senate has approved a resolution supporting the use of force to defend the United States against aggression.

This resolution was passed with overwhelming support, with only a few senators voting against it.

The Senate has stated that the United States will not tolerate acts of aggression that threaten its security.

This resolution is seen as a strong statement of support for the United States and its allies.

### CONGRESSIONAL RECORD - SENATE

February 7, 1992

The Senate has approved a bill that would increase funding for education in the United States.

This bill was passed with a bipartisan majority, with support from both Republicans and Democrats.

The Senate has stated that investing in education is crucial to the nation's future.

This bill will provide additional funds for schools and universities, as well as for programs to improve educational opportunities for all Americans.

### CONGRESSIONAL RECORD - SENATE

February 7, 1992

The Senate has passed a bill that would improve the nation's infrastructure.

This bill was passed with strong support, reflecting the need for investment in infrastructure.

The Senate has stated that improving infrastructure will create jobs and stimulate economic growth.

This bill will provide funding for transportation, water systems, and other critical infrastructure projects.

### CONGRESSIONAL RECORD - SENATE

February 7, 1992

The Senate has approved a bill that would provide $500 million in aid to the United Nations.

This aid will be used to support humanitarian efforts in the world's poorest countries.

The Senate has stated that this aid is necessary to support the United Nations' work in areas of conflict and poverty.

This bill was passed with a strong majority, reflecting the importance of the United Nations in global affairs.

### CONGRESSIONAL RECORD - SENATE

February 7, 1992

The Senate has approved a bill that would increase funding for the arts and culture.

This bill was passed with strong bipartisan support, reflecting the importance of the arts in our society.

The Senate has stated that the arts are essential to our cultural heritage and should be supported.

This bill will provide additional funding for museums, libraries, and other cultural institutions, helping to preserve our nation's rich artistic legacy.

### CONGRESSIONAL RECORD - SENATE

February 7, 1992

The Senate has approved a bill that would increase funding for science and technology.

This bill was passed with strong support, reflecting the importance of science and technology in our society.

The Senate has stated that the nation must invest in research and development to remain competitive.

This bill will provide additional funding for scientific research, helping to advance our knowledge and improve our quality of life.

### CONGRESSIONAL RECORD - SENATE

February 7, 1992

The Senate has approved a bill that would increase funding for public health.

This bill was passed with strong bipartisan support, reflecting the importance of public health in our society.

The Senate has stated that the nation must invest in public health to prevent the spread of disease.

This bill will provide additional funding for hospitals, clinics, and other health care facilities, helping to improve the health and well-being of all Americans.
CONGRESSIONAL RECORD—SENATE

February 7, 1972

Area Deby Rios, Putting Pacts Of United States In Lives, "Collapse of an American empire, in the words of President Lyndon B. Johnson, has been a major factor in the decline of the American Empire. In fact, the United States has become a "new" superpower, with a population of 200 million and a military budget of $90 billion.

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Testimony

CAYTANO GERARDO
Lihue, Kauai, Hawaii
March 24, 1992

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 have 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 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 is it too risky. War is hell, there is no doubt about this, 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 remembers 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 NUKEAR 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 1960'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 means to distract 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 ecosystem 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 opinion 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 also and I believe that the military has demonstrated their capability 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.

Lest 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 also am 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 involve 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 mend 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 Phillipines were sad as they know 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
Kauai Citizens Call for a Moratorium on Missile Launches to Kawajalein Atoll

Missile Warhead Impacts in the Kawajalein Atoll

WE ARE AGAINST ANY OF YOUR FACIST ACTIVITIES ANYWHERE YOUR STAR WARS PLAN IS BARBARIC TO OSCE REAGAN'S WORDS. GO WATCH THE MOVIE AGAIN - YOU MISSED THE END.

Michael Sussman
Anahola, Kauai

It's disturbing that many of the PMRF employees are displaying obscenity and impropriety tonight. Also, several of them are smelling of alcohol, which must explain their actions, being that PMRF hires inebriated 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 Kaspic, Jr.
4076 Mailihome Rd.
Kapaa, HI 96746
823-7963
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

Sirs,

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

Quoted Sussman
NO ROCKETS

Name: P.O. Box 623, Hanalei
Address: Street 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 35807-3801

NO ROCKETS

Name: Langford
Address: Street 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 35807-3801
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

Peace symbol

Name: Sunshine Con
Address: 714 Family Dr, FBES AK, 99701

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSP-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 us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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 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 to the Island of Kauai and the State of Hawaii will occur if the protesters 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 F. Hazlett
PO Box 306
Waimanalo, HI 96796
(808) 338-9888
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSO-ENV (D. R. Gallien)

Dear Sir:

On the subject of the launch of strategic target system vehicles from Mana on Kauai, 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 Ex-3 of the Executive Summary of the Draft Environmental Impact Statement for the Strategic Target System:

CULTURAL RESOURCES
The entire land area of KTF (Kauai 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 Aletha 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 Anau'a 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 Kauai people, but by their existence there irreparable damage has already been done to the cultural resources.

However, the expansion of use 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 Kwajalein may or may not have been given the courtesy of an EIS but we here on Kauai 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 Kauai 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.

March 24, 1992

Frances N. Frazier
4120 Omao Road
Koloa, Kauai, 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 this issue. I am aware of the issues, but have not had the time. I have been following the issues closely and I believe that the issues have been discussed with the public. I understand the concerns about the impact on the community and the environment.

I believe that the negative impact of the Strategic Target System has been adequately addressed.

Name: GARRETT JARVIS
Address: 5634 Hanalei 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: 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.

As a citizen of this country, and a resident of Hawaii, for 47 years, I feel that missile testing is too risky for its results. It is time for our energies to collectively focus on peace and it should be upheld right in our own neighborhoods and communities. As we know, it is time to save our planet. We have done too much damage already. 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 the care that we want for our Mother Earth. No launching!

Name: Robert Jost
Address: 1005 Koleo St, Kapaau 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
March 25, 1992

Deputy Commander
U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3801

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 only on our most basic needs and not on luxuries that we cannot afford. STARS is such a luxury. It is an 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 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 Niihau, 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 Niihau.

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 apertheid. 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.

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: J. Janez Lausevich

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: J. Janez Lausevich
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 deployment of Agers due to these rocketry over Kauai. We do not need the military "hushing up" botched launches.

We do not need the noise debris, a live brought here by the military.

There are too many people to attend a skin cancer all ready on this island. Don't add to the list of ailments due to the by-products of their missiles.

Don't ruin Kauai!!

NO MISSILES!!

Name: Cat. Sheehan, 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. 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.

As a family on Kauai I must look at long term affect.

We do not want to be a guinea pig for the military who has lied on several occasions to short term with out letting the public know.

Name: P. Crawford
Address: P.O. Box 1210, 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
MARCH 25, 1992

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 HANAPPEH. I AM A BUSINESSMAN AND FORMERLY A U.S. ARMY OFFICER WITH THE RANK OF LT. COLONEL. I AM A COMBAT 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 REFERRING, I WOULD SAY, "YOU ARE FORTUNATE FOR THERE WAS A STRONG MILITARY FORCE THAT FOUGHT FOR YOUR FREEDOM AND FREEDOM OF SPEECH. HAD THIS BEEN 30 YEARS AGO, YOUR ACTION MAY HAVE BEEN CONSTRUED 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.
EX36 (cont.)

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.

EX37

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 fully support the TARO Program and feel that the EA + EIS address all environmental, health, socioeconomic impacts on Kauai.

Let's get on with doing our job!

Name: 
Address: P.O. Box 42, Kealakekua, Hawaii 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 35807-3801
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 S&T program. The EA was enough for me, the EIS makes it OK in my opinion. People who oppose the project are just being military, nothing more. They are making a big thing over nothing.

There is nothing wrong with the S&T program. Let's go on with it.

Name: Rodney Moura
Address: 4259 Kaana St., Lihue, 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
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 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 unclassables in Japanese society, kaua 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 Kwajelein'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 Kwajelein 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 Kwajelein, constructing homes for Hawaiians on crown lands presently used by PMRF, or restoring the Nohill 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
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 WMRF 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. Mahili 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 business men 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 Pentagon advocates of the system get their way." 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

Nanette Slavin Kaaumoana
P.O. Box 279; Hanaelei, HI 96714

March 24, 1992

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

SDI Organization spokeswoman, Maj. Carolyn Channave. The plan calls for Hawaii's station, one of seven around the country, to begin operations between 1998 and 2002."

Hopefully this is a worst case scenario that will never occur but it is hard for us as citizens to believe that Major Channave's comments do not apply to WMRF. The actions of the U.S. government and the U.S. Army are unconscionable in planning to proceed with plans fraught with danger to the inhabitants and ecology of this island. I urge you to stop alienating the citizenry and start listening to it. The people of Kauai speak with almost a single voice and the voice is shouting NO. Please listen.

Sincerely,
Nanette Slavin Kaaumoana
The League of Women Voters believes that natural resource management policy-makers must take into account the ramifications of their decisions on the nation as a whole as well as on other nations. The League works to limit reliance on military force in international relations, and gives priority to reducing the risk of war through support of arms control measures. Further, the League avers that the defense budget that the public and our debt are supporting should reflect the astonishing changes in world security.

The League has studied arms control. Its resulting support of arms control has focused particularly on stopping the Strategic Defense Initiative missile defense plan. Although not opposed to all defensive weapons research, the League strongly opposes the program as contrary to the purpose and provisions of the 1972 U.S.-Soviet ABM Treaty. SDI is an extremely costly and destabilizing program that undermines the very essence of arms control.

The original 1983 vision of President Reagan of SDI's "rendering nuclear weapons impotent and obsolete" has gone, as the limits of science and federal funding were revealed and program goals became clouded and controversial. Some, including the former Soviet Union, see the SDI as offensive. And even if SDI were feasible, research giving way to development and testing of related missile defense technologies abandons the ABM Treaty.

The League of Women Voters 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 ensnared 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 $70 billion of failures.

Since PMRF is on federal Hawaiian land, and the notion of Hawaii was obliterated with an illegal U.S. military act, why not use the $160 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 Kincaid
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 Hawai'i 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 torpedoes 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 laws.

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 Kaua'i, 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.

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 CLARIFY:

1. ONLY THE FINAL EIS HAS BEEN SUBMITTED, AND THE WAITING PERIOD HAS PASSED, WHICH MAKES THE FINAL DECISION TO PROCEED OR NO.

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-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
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 council members, 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

This should not be done!!!!!!!

Name: MARC KUNZE
Address: PO BOX 1174 KALAEHO KALUAU A
City/State/Zip Code: 96741
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 Stars 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 oversalted 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 defies 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 course 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 its 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
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 Ginger Lee Ruiz. I am a resident of Kekaha, Kauai. Our town is located on the north side of the island of Kauai. I have lived here for 20 years. I am very concerned about the proposed missile site on the north side of the island.

I have noticed a lot of people in the community who are concerned about the site, and I feel that it is important that our voices be heard.

Name: Ginger Lee Ruiz
Address: P.O. Box 1114, Kekaha, Kauai HI 96747

I am D.M. Riine of Kekaha.

I am not here to talk at Lt. Col. Manguso of the United States Army. I am here to tell you OPEN YOUR EYES!

There are many pressing issues we need to confront NOW!

EDUCATION:
STOP the violence and guns in the schools!
STOP crime on the street!
How many tourists visit Kauai to never leave alive?
How about our friends and neighbors killed every day.

How about birth defects...
Stop drug abuse and illegal chemical spills.
BIG BUSINESS, NOW!

FEED our hungry, stop foreign aid!

Save the environment.
The major cause for extinction in any environment is loss of habitat. KAMEHAMEHANU on Oahu, for example. In five to ten years time the entire reef habitat is destroyed by the construction and development.

BIG BUSINESS AGAIN!

Is Hanalei Bay next???

Protect the Environment
Get rid of all cars, get on a bicycle or walk. There is food that need to be confronted NOW!

My family is an Army Family touched by many wars including Vietnam and Desert Storm, and we are proud of our Country. Don't hate the military who has done so much to protect our freedom of speech. Don't blackbuck the Stars Program that is trying to save lives by stopping nuclear warheads before they destroy us.

Instead of wasting precious time in conflict with each other, let us join together to stop the worst killer of all. As I speak now, how many people will die of AIDS. STOP AIDS NOW!

Pacific Missile Range Facility has been on Kauai for 20 years with no major mishaps. How do we know if any mishaps will occur in the future? There's no way to predict problems we can't predict. Problems for tomorrow? Let's predict ONE STEP AT A TIME - Don't guess at the future ...

I support the military at PRMBF and I support STARS!

LIVE LONG AND PROSPER!!
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.

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% probability of at least one catastrophic failure in the planned 40 launches.

The document also makes it clear that these impacts are totally unnecessary. The DEIS 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.

Global Protection Against Limited Strikes (GALIS) can do nothing to protect the people of the United States from nuclear terrorism. 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 10-year development program to build an Inter-Continental Ballistic Missile (ICBM) to deliver it. I would just float it up to Kauai on a barge, or to Waikiki on an outrigger, and it would still be there. 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.

Le. Col. Robert N. Bowman, Ph.D., USAF, Ret.

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 other alternatives.

In particular, it is shocking to see the floating barges, fixed ocean platforms, and Minuteman IIIs from Vandenberg options eliminated because of cost or because of political considerations. Nothing has changed in the last two decades.

The people of Kauai are not holding up GALIS 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 who say, "Don't do it at all." Don't endanger this precious island for a suicidal, dangerous, insane (SDI) program that no other country don't need.
I AM LINDA UHAINUCK, ONE OF THE FOUNDERS OF HUI KOA MAU I KA AINA. I LIVE IN WAIKAA LESS THAN 20 MILES AS THE CROW FLIES, FROM MANA. I THANK GOD THAT I LIVE ON THIS BEAUTIFUL ISLAND AND LATELY HAVE HAD SPECIAL REASONS TO THANK HIM FOR THIS BLESSED 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 GREAT BRITAIN IN THE LAST DAYS OF THE CROWN. ENGLAND WASHED HER (MY MOTHER), MY FATHER, AND MY BROTHER, ALL WORKED IN KURSTALIN AND BOTH OF MY DAUGHTERS WERE CIVIL SERVICE WORKER'S ALL HAD A PART IN CHAPING MY SPECIAL MANA'.

I AM OPPOSED TO THE STARS PROGRAM FOR ALL OF THE REASONS CITED IN THE LAST TWO DAYS AND NIGHTS. THE ONLY ARGUMENT I HAVE HEARD FOR STARS IS THAT IT IS LESS DEFENSIVE AND DANGEROUS. THE DEFENSIVE ARGUMENT HAS PAST HISTORIES IN IT AS OUR ZONE WOULD SHOW IF THE PROGRAM WERE TO PROCEED, THE MILITARY, GIVEN FREE PRIVILEGE, COULD BARRICADE US RIGHT OUT OF A HABITABLE PLANET. AS A PERSON WHO ALMOST NEVER DRINKS ALCOHOL, THE DANGERS I HAVE ENCOUNTERED IN THE KONA TROUPE ON INCLUDE, HOW MUCH BUT DRUGGED WOULD A PERSON ENDURE THAT MISERABLE EXISTENCE?

AND CONVINCED OF THE RIGHTNESS OF THEIR ACTIONS FOR DEFENSE AND SECURITY THERE ARE GOOD REASONS WHY MORE HUMANS SHOULD NOT HAVE GOD-LIKE POWERS OF DESTRUCTION, AND THE NUMBER OF GOD CREATED DOES NOT JUSTIFY THIS PROGRAM. PEOPLE ARE NOT PEOPLE, AND I KNOW YOU'VE ALL WORKED AT ONE TIME WITH SOMEONE WITH THE SLOWED REACTIONS OF A COLD, OR HANGOVER, OR THE DISTRACTION OF A FIGHT WITH A PASSION, OR THE WORTHINESS OF A SICK CHILD, WHERE HUMAN CLEANSING COULD, WHEN SPIT SECONDS COUNT, AS IN A WRESTLING MATCH, SPELL DOOM FOR HAWAII, SINCE THERE ARE SERIOUS FLAWS IN THE DEFENSE THEORIES, AND EIGHTY PERCENT OF KAULU'S INCOME THAT IS TOURIST ORIENTED WOULD BE SPOILED LARGELY AGAINST THE ARGUMENT FOR STARS IS OVERWEIGHTED BY THE ARGUMENT AGAINST STARS.

AS FOR THE ENF, I AM CONCERNED STILL ABOUT OVER-RHOD TRANSPORT OF LIQUID FUELS, SINCE THE ALTERNATIVE MAY NOT ALWAYS BE IN THE ORION. ARE YOU PLANNING ON CLOSING OUR ROAD OR JUST TAKING YOUR CHANCE WITH OUR PATHWAYS AND CONVINCED TOURISTIC AND THEIR ALCOHOL WILL BE IN THE HAWAIIAN AT THE WRONG TIME, AND OF COURSE NO YOU HAVE A 'FLIGHT TERMINATION SYSTEM' AND AN ESTABLISHED GROUP HAS BEEN IN THE PUBLIC POWER OF FLIGHT, BUT THAT PRESUMER'S FLIGHT MIGHT HAVE TO BE TERMINATED AND
WHAT GUARANTEE THAT 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 WOULD TERMINATE 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 BEING TERMINATED; SO WHAT ELSE MIGHT ALSO BE TERMINATED AT THAT POINT? THIS IS A SMALL ISLAND AND IN FAR TOO DELICATE A BALANCE TO WITHSTAND SUCH IRRRESPONSIBLE MAN-HANGLING, I TOLD YOU TO ALLOW PARMF TO CONTINUE ITS PRESENT PROGRAMS AND TO DECIDE IN FAVOR OF THE NO ACTION ALTERNATIVE.

MANAHO.
4. April 1987. No need for further
questions. The evidence provided and the Edayan report
are sufficient.

5. The minute of opening of Navdal's Scheme,
under Section 5, is attached. The
information given in the scheme is not
齐y. The report should show that the
figures provided are not in line with
the scheme.

6. Claim of which Dep't or section, for
which is displayed: 'when a key number depending
on the number of days is reached, the
department is held against cost/
dept.

7. When Dep't: not clear. It is difficult to
identify which department is responsible.

8. Land use - impact on settled
10.73 land

9. No social/ commercial
impact where

10. No effect on impact on

11. Dep't head of impact on

12. If child leaves, impact on

13. If child leaves, impact on

14. If child leaves, impact on
INTRODUCTION:

My name is Larry Awohi.
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 DAV.
My last assignment was with the 3208 tech/facility test group.
3208 test squadron, AC80, GCI (Aircraft Control & Warning-Ground Control Approach.
ARCC 30352.

This SODN was part of the ARDC, Air Research & Development Command.
Our mission was primarily control and support for the various test with such weapon systems as the IM-99AB "Bomarc" missile; the Green Quail missile; Hound Dog missile; the Vulcan electronic Gatlin Gun as well as support test with the Army/Air Force Anti-Aircraft Missiles. I am therefore well acquainted 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 extensive statements covering a host of topics which are germane to the issues at hand, but because of the parameters of time limitations 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 at 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, and gave of themselves when called to arms. Some of their comrades gave the ultimate sacrifice...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 avarices and vices innate in the character of man, this has not happened in this century. Therefore, it is 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 formidable deterrent and an unsurmountable barrier that will finally give some form of a guarantee that can give our descendants the opportunity live in peaceful tranquility, and pursue happier futures...free from the threats of war, and the fear that some nation that is controlled by some neo-Hitler leader would launch a nuclear Holocaust 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 much attention to current world events that under-score the fanatical personalities of: Kim Il Sung, his son and successor Kim Jong Il, Homan Kadhafi, and the infamous Saddam Hussein.
THE PATRIOT VS SCUD MISSILE : THE GULF WAR 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, 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, PLACE INTO SERVICE AND
PREVENT MORE LOSS OF LIVES THEN NOT PUTTING IT INTO OPERATIONAL USE.
BECAUSE OF THIS SCORE-RECORD PRES. BUSH WENT TO THE FACTORY THAT PRO-
DUCED THESE ANTI-MISSILE MISSLE WHERE HE FORMALLY THAANKED THE WORKERS
THAT PRODUCED THEM.
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 EXPRESS-
IONS FROM TWO WARRIOR LEADERS:
1. "DAMN THE TORPEDOS, FULL SPEED AHEAD"
2. "IMUA E NAKOA...INU I KA WAIA WAIWA!" KAMEHAMEH THE GREAT, AT THE
BATTLE OF KEPANI WAI, MAUI, CIRCA 1793.

EX55 (cont.)

-3-

EX55 (cont.)

-4-
It's Suzanne Raimond, Chair of the Kansas Sierra Club. I'm also the Pacific Vice President of the National Sierra Club, whose membership numbers about 650,000. Our national policy opposes space-based weaponry of all forms, including Star Wars in all its aspects.

Ansel, Rangers, Mr. Flaherty, and Mr. Michaelson, aloha.

For the better part of the last 2 years, we've sat across many tables from one another. We've gotten to know each other. I'd like to share a couple of observations from the process we've shared.

For the most part, you people have been gentlemen, all the way through.

I'd like to say thank you for that, and add a personal note. I think if you had more ladies working with you, you'd get a lot more done more efficiently.

There's another thing.

In the theater and people have gone about reviewing the Sierra program, people have gone about reviewing our program, and the Sierra program is not in complete freedom. We have some (those among you) engaged in media, spoken our opinions loud and clear, whether they agreed with us or not. We've chosen, as the fewer people in Earth, to keep some serious people at home.

One armed services pocket three purchased freedoms, look over them, and it's a question of whether we wish it or not. So I'd like to thank you from my heart for the protection you

organizations provide us. We are grateful.

Humans are an aggressive species. Until this change, we will have the military, we human beings expend half our global resources, half the world's economy, half our learning lives, on militarism and war, even when there is no war.

Thus I choose to see the military as a deadly vital resource, more in need of conservation than any other, more in need of ceaseless vigilance from its employees. That's us — human beings.

We, as people, have our failings, and yet we're a wonderful species, too. We are nothing if the best 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 drain on the only resources this Earth will ever have to offer us. We want programs that work. Not fast, providing timely safety and not increased endangerment. We want you to take a long hard look at the 50 billion dollars the United States will spend this year on militarism, and explain to me with straight faces why we are not protected enough already. If we are not, then the military has not been doing its job, it urgently needs some rather quick review from the engineers of its program on down.
take your State program away & bury it.

turn away from abandoning the home of
Kauai's 10,000 suffering people, whom even the
name have deserted now.

turn away from Kauai with your inflating
antiquated rockets, your misplaced persons,
your unconsidered for the living & the dead, the
plundered and naive.

turn away, you & Randy. While we may care
for you, we do not want your program here.

(Soyun Marmulla)

---

My name is Vernon Kalaukahili White, a resident of Anahola, Kauai for 42 years. Born Kekaha, Kauai, and my Hawaiian come from James K. Kea grandmother 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. Mana 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 Mana 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 Mana Airport was open to Hawaiian Airlines as the first air transportation for big C47 type propeller aircraft with smaller planes from Port Allen, Kauai. Mana 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. These 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 railway tracks. When I saw with these same eyes yellow airplanes flying out of Nawiliwili area coming from somewhere from Niihau 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 Mana 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 the 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 EMMALINE KALIKOLUAWE LOVELL WHITE, A KAMAAINA 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.

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 ENTRITY. 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, NECESSARY 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 O-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 KAUAИ SHOULD SUPPORT THE EXISTENCE AND OPENING OF THE PACIFIC MISSILE RANGE BASE WITH ITS STRATEGIC TARGET SYSTEM MISSLE PRACTICE, BOTH FOR OUR NATIONAL DEFENSE AND FOR OUR ECONOMY HERE ON KAUAИ.
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.

Now 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 missiles 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 hundred, can we not than expect at least one failure in your proposed 40 launches? And if this particular launched 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 islands 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
Jim Hal
August C. Manguso  
Lieutenant Colonel, USA  
U.S. Army Strategic Defense Command  
Product Manager  
Strategic Target System

Dear Colonel Manguso,

These remarks refer to the Draft Environmental Impact Statement for the Ka'au'i 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 12 years I have studied the indigenous flora of the island of Ka'au'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 Ka'au'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 Ohia (Sesbania Tomentosa) and Puapua moa (Ophioglossum cominicum). 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  (Dononaea viscosa)  
Alena  (Boehavia repens)  
'Aki 'aki  (Sporobolus virginicus)  
'Akoko  (Chamaecyparis californianus)  
'Akulikuli  (Seuviun portulacostrum)  
Hi'éloon  (Waltheria indica)  
Hinahina kahakai  (Nama sandwicensis)  
Huna kai  (Ipomea imperati)  
Tilma  (Sida fallax)  
Kauna'o  (Cuscuta sandwicensiana)  
Mau'u 'aki 'aki  (Pinus stilis cymosa)  
Naupaka  (Scaevola sericea)  
Pohinahina  (Vitis rotundifolia)  
Pohuehue  (Ipomea pes capre)  
Pa'u o hi'iaka  (Jacquemontia ovalofoila)

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 Ka'au'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 Ka'au'i and the genes that will be lost as the populations on the islands continue to decline. Even on Kaau'i, plants such as A'ali'i, have different genes at Mana and Barking Sands than 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 Ka'au'i. But PRMF has a special opportunity. And it is possible, with minimal effort, to become the best location on Ka'au'i in terms of effort to protect and restore indigenous plants. You can restore the Ohia, and Puu pio, and Ilie'e, the Naio, and the dwarf Naupaka, and 'Ihi 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 such communities of these plants at 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 Ka'au'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 in this program, will turn out to be your largest endowment to national security.

Sincerely,

Brian Schaefer
25 Mar 1991

PUBLIC COMMENT TO THE EIS

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. 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 real problem, because the poorer nations of the world are not going to accept any high-cost alternatives that this 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 a 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 is said to violate the 'spirit' of Kauai. What is the 'spirit' of Kauai anyway? Is it the Westin? Princeville? The traffic jams in Papao? 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? In twenty years PMRF has been launching rockets from Malaekahana 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 'aloha 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 SDI 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,

compassion, and non-violence. But for thousands of years there have been wars. Let's be realistic. Let's start planning for the next war - today. So those of you that want peace in the world, I salute you, but don't try to cram your version of peace down my throat.

So in summary, I support STARS and I don't think it will change our Kauai lifestyle one slight bit.

James Hager
Kalaheo
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. Volcanoes contribute as much as a 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's 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
Amelle Hazlett for Dave Nekomoto will bring the total Declarations for the record to 1902.

I have one final request of the Army. The DEIS is good. For the sake of the PMRF local people - the yellow shirts - the real Kauai Spirit - MAKE IT MO BETTA.

Thank you and Mahalo.

Ken Jones

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 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 here, I was blessed with the appearance of my 'umakua. My family's spiritual guardian, the pele, our owl, flew before 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 'aina live. Let the people live. Let aloha live.

Mahelo no ka 'okou ho' hele a o ne. Mahelo o no.

Kaleiale'i Ka'opio
4816 Malihana Rd.
Kapa'a, HI 96746
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 PNRF 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
least 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 STAR’s’ 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 PMB 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
shipwreck to Port Allen. The preferred, proposed action is to
transport hydrazines 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 these same adverse conditions.

I am concerned that the DEIS does not adequately investigate
STAR’s threat to endangered species in the locale of the test
facility. However remote the possibility of harming species such
as the chal, Ader’s tongue, Hawaiian ducks, crows, stilts, monk
seals and hoary bats, green sea turtles, Newell’s shearwater, and
humpback whales, any contribution to the irrevocable 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 3.5-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 1.5-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 1.5 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 A3 missile with an ORBUS 1 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 26 years old that must undergo extensive refurbishing to bring up to Weapon Specification 1151 performance, reliability and safety compliance. Older Polaris A3 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 at 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
As a Member of Congress, I am called upon to debate and vote upon matters of national defense and policy. All too often, the return to the U.S. House in 1990 was predicted on the division of a post-Cold War economic environment. The lives and well-being of people, after more than a decade of recessionary times, our cities, infrastructure, schools, high-skills, and health care have suffered enormously.

With the nationalization of Eastern Europe, global trade alliances, collapse of the Soviet Union and other consequent events, the world as we know it has also changed. Congress has sent a message to the military leadership that America is more determined to fund the full range of services while reducing our overseas presence out of a debilitating recession and national debt. And we have seen the Innsbruck silencing on the wall that America is no longer able to afford everything it wants from its government.

Thank you for your attention.
NO TO STARS ON KAUA'I.

David J. Powell
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 Rondy Gallien & Col. Mongusc,
I strongly object to your responding to Anti-STARS speakers' comments. We at opponents are not given a similar ability to respond immediately to what we perceive are missteps. Again, you are turning this into a one-sided ability to respond to comments. This is unfair. 

Mary Esser

Name
Address
Street 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 35807-3801

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:
WHAT WILL BE THE TOTAL NUMBER OF MIRAGE LAUNCHES FROM KTE IN ONE YEAR (SAT & all other launches).

Name
Frank Gomez
Address
Street 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 35807-3801
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.

Q: WHAT DOES NOT SIGNIFICANT IMPACT MEAN?

EXACTLY?

Name: ________________________________
Address: ______________________________

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. Callien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

I deeply resent and object to Col.
Manguso's and others' allegations of
Anti-STARS speakers speak. We, as
opponents, & not have an opportunity to respond
in the same way. You are making this
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: CSSD-EN-V (D.R. Callien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
March 23, 1992

After reviewing the EIS concerning the "STAR'S" program, I feel the concerns of the citizens of Hawaii have not been addressed. This program may prove hazardous and should not be allowed to take place.

As a resident of Kauai, please count me as against this program.

Thank you,

[Signature]

[Signature]

March 25, 1992

Dear Commander:

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

I believe it is time that our government began existing policies 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 Target System program is contrary to the spirit of Kauai and quite harmful to us who live here.

Sincerely,

[Signature]

[Address]
Dear LTC. Hangucc,

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 2 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. (Having 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 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."

Candace Agustin
4430 Pio St.
Lihue, HI 96766
March 23, 1992

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

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 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 long range 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 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,

[Signature]

E. Woodward, Ph.D.
Suite 3039-129 Kauwaii Hwy
Lihue, HI 96766

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DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATEY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIHEE
 SENATOR LEHUA FERNANDEZ GALLING
 REPRESENTATIVE EZZA KAHONU
 REPRESENTATIVE BERTHA KAWAKAMI
 MAYOR JOHNN YUKIMURA
 KAUI 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.

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, 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 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]

[Name]

Address

<WRITTEN COMMENTS ON BACK>
Also, I would like Mr. Arouge, Mr. Nakao, Mr. Waihe and Joanne Yukimura, I'm not happy with your performance and I will vote against you in upcoming election.

John Hoff

---

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 KANUHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOAN YUKIMURA
KWAII 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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Yours Truly:

Signature: John Hoff
Printed Name: John Hoff
Address: 1-81 Lihalele Rd.
Kauai, HI 96745
Date: 11-01-92

(WRITTEN COMMENTS ON BACK)
1) Save jobs, not unemployment
2) Compensate Hawaiian Home Land Commission
   low market land lease if not being done.
3) Valid EIS.

---

**DECLARATION OF SUPPORT FOR PMRF**

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKANA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHNNY WAHIA
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANONOH
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOHNNY YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials;

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Missile Range Facilities, its people, and its programs.
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communities of Kauai. Their true intent was revealed after
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its defense effort. We don't want an issue like this to
spook 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'm glad my comments have been adhered to.

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
It is my opinion that those who are protecting the existence of this base and the facilities are those here and from the outside. Our concerns, the land, and sea are here on Kauai; feel that they are being neglected and our concern, and their own selfish need. PMRF 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 T. MINK  
REPRESENTATIVE NEIL ABERCROMBIE  
GOVERNOR JOHN MAIHE  
SENATOR LEhua FERNANDES SALLING  
REPRESENTATIVE EZRA KANDO  
REPRESENTATIVE BERTHA KAWAKAMI  
MAYOR JOAN YUKIMURA  
KUAII COUNTY COUNCIL

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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 EXISTENCE.

Dear Honorable Elected Officials:

By this letter, I reaffirm 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>
DON'T LISTEN TO RAUNCH OF HAOLES
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 SIEGEL CLUB.

Kanika Colen

P.S. Open your eyes; this will not
only effect Hawaiians, but all the
local people, born and raised in
Hawaii.

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 FERNANDEZ BALLING
REPRESENTATIVE EZRA KANHOU
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANNE YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

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Missle Range Facilities, its people, and its programs.
Recent controversy over a certain PHRF 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.

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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 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
program and of the many programs at PHRF, that they are doing
everything they can to assure 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)
Dear Honorable Elected Officials:

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Yours Truly:

[Signature]

[Printed Name]

[Address]

(Written Comments on Back)
I support PMRF. Those who want to oppose it, altogether have a perspective that is really blown out of proportion, they feel that the warnings should be valid, not knowing the other side of the coin, is to be impacted economically.

DECLAREMENT OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KAMOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

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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) (Over)
To those concerned—it is not often the Westside of Kauai asks for something for themselves—I feel that this concern is very important for our community and may well quote the future of West Kauai.

Aloha

[Signature]

EX05

DECLARATION OF SUPPORT FOR PARRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIEE
SENATOR LEONA FERNANDES SALLING
REPRESENTATIVE EZRA KAMISHI
REPRESENTATIVE BERTHA KANAKAM
MAYOR JOAN H. YUKIMURA
KUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I offer my support for the Pacific Missile Range Facilities, its people, and its program. Recent controversy over a certain PARRF 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 PARRF. 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-related businesses, banks, supermarkets, gas stations, automobile dealers, parts suppliers, construction companies, hardware suppliers, computer-related businesses, etc., etc., would feel the impact of a PARRF 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 placing my confidence in the managers of the base and of the many programs at PARRF, that they are doing everything they can to ensure success.

PARRF 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]

[Places to be filled in]
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 affect the economic growth of this 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 RELIGIOUS GROUP and their main objective is one world government. 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 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, The 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 Pohakuloa base closure would have to the fighter pilots who were trained on the Phillipine ranges, and then consider the impact to the local economy.

I am concerned at the disregard for the voter’s rights by Congressmen and how the votes were tailored to represent 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 pads your pocket. 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 540

Wailua, HI 96796

808-742-1728

DECLARATION OF SUPPORT FOR PHRF

TO: SENATOR DANIEL K. INOUYE
SENIOR SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAINEE
SENIOR SENATOR LE'AHEI PERNANDES SALLING
REPRESENTATIVE EZRA KAMOHE
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KUAU COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I offer 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.

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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 people 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.

Sincerely,

Signature

Printed Name

Address

(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 know nothing about. America needs a strong defense. Russia is not the only enemy. Every day, every decade, will be bring a new bully for the day.

[Signature]

EX87

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 FERNANDEZ SALLING
REPRESENTATIVE EZZRA KANESHIRO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOHNN YUKIMURA
KAUAI COUNTY COUNCIL

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Yours Truly:

[Signature]

EX86 (cont.)
What the darn jobs are worth alone, they have underwater missile operating base, and they can keep it XB any time they want so

What? The brief.

---

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATBY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHA FERNANDES SALLING
REPRESENTATIVE EZRA KAMOLO
REPRESENTATIVE BERTHA KAWAMAKI
MAYOR JOHN YUKIMURA
KUAI COUNTY COUNCIL

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Yours Truly:

Signature
Printed Name
Address

(WRITTEN COMMENTS ON BACK)
Being a construction worker I know there is no major development in the future of 1994. Also, the steel industry is very slow in the state of Hawaii. We all know that layoffs and job cuts only exasperate the recession. If PMRF is closed or if there is no more even work done, what will happen to all of these employees? Will everyone think of the other instead of themselves? Think about what other families will be affected with mothers or children? Close PMRF or reduce the employment will only hurt these families. Child, is this what the USA is all about? I hate not because these children, families are up much Kauai's future.

EX90

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAINEE
SENATOR LEOHIA FERNANDES BAILING
REPRESENTATIVE EZRA KANDHO
REPRESENTATIVE SERTHA KAWAKAMI
MAYOR JOHNN YUKINURA
KAULI COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I reaffirm 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.

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, super markets, gas stations, automobile 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 and make decisions wisely.

Yours Truly:

[Signature]

[Printed Name]

[Address]

(WRITTEN COMMENTS ON BACK)
Be prepared. Don't wait until other countries are well prepared. Like in World War II, we lost equipment from World War I.

---

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 FERNANDES SALLING
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 through 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.

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Yours Truly:

Signature: [signature]
Printed Name: [Printed Name]
Address: [Address]
Phone: [Phone]

(required)

(Written comments on back)
In addition to the concerns mentioned above, I am opposed to the land of concern of Naval Weapons and the State of Hawaii, Maui, Kauai, and the Kauai Council on the following:

1. National Security: As the center of the State of Hawaii and the other Hawaiian Islands, the Kauai Council in the interest of providing a secure, safe, and stable environment for the people of Hawaii, desires to protest the proposed location of the new missile defense site. The people of Hawaii and the Hawaiian Islands, like the people of other countries, are deeply concerned about the potential for a nuclear attack, military aggression, and the loss of lives. The proposed location is not only close to the people’s homes, but also to the military installations and facilities that are already present in the area. The Kauai Council believes that the proposed location is not the best choice for the site.

2. Economic Impact: The economic impact of the Kauai Council on the community is significant. The proposed location will affect the economy of Kauai, including the local businesses, industries, and residents. The Kauai Council believes that the proposed location is not the best choice for the site.

3. Environmental Impact: The environmental impact of the proposed location is significant. The proposed location is located in a sensitive area, which is home to various ecosystems and species. The Kauai Council believes that the proposed location is not the best choice for the site.

The Kauai Council, in the interest of providing a safe, secure, and stable environment for the people of Hawaii and the Hawaiian Islands, desires to protest the proposed location of the new missile defense site. The Kauai Council believes that the proposed location is not the best choice for the site.

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEWIA FERNANDES SALLING
REPRESENTATIVE EZRA KANAIHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANNA YUKIMURA
KAUAI COUNTY COUNCIL

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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 mar our 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)
As a resident & believe we should support this project because it has relations within the state & seems like Hawaii Community. All are going to be like Kauai Community, Are you going to support the people to support the project or help to police it? Will there be more crime than drugs to control with? Think before acting, on this matter. The people of the North Shore & Kilauea & valley of the Lakes are the people I am not heard to say this. These people hope to protect something. Thank you for your consideration on this matter.

Caroline Johnson.

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
    SENATOR DANIEL K. AKANA
    REPRESENTATIVE PATSY T. MINK
    REPRESENTATIVE NEIL ABERCROMBIE
    GOVERNOR JOHN WAINEE
    SENATOR LEHUA FERNANDES SALLING
    REPRESENTATIVE EZRA KAMHOI
    REPRESENTATIVE BERTHA KAWAKAMI
    MAYOR JOANN YUKIMURA
    KAUNA 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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Yours Truly;

Signature: Andry C. Mat
Printed Name: Andry C. Mat
Address: Oahu, HI 96812

(Written Comments on Back)
To build my home and raise my family in the town of Kekaha which is approximately 1 mile from the Stess launch site, PMRF is largely in my back yard. I have faith in the men who run the Kekaha department of PMRF and their families, who also reside in Kekaha with their families. The town has lived and will continue to live in the town as a base for many years. The base has lived and will continue to live in the town. My family members and friends are the business of my family members and friends of the program on Kauai, and I do not believe that the people of Kauai would cause the base to do the interest of not only my family, but my family and friends of the people there. Please send this program.

John Doe

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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 EZZA KANHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KUAUI 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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Yours Truly:

Signature

Printed Name

Address

(ADDED COMMENTS ON BACK)
As an employee of Kealakehe School, PMRF has been a welcomed neighbor. Throughout the years, the children of Kealakehe School have received many, 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 Kealakehe School will suffer a big loss.

To: Senator Daniel K. Inouye
Senator Daniel K. Akaka
Representative Patsy T. Mink
Representative Neil Abercrombie
Governor John Waihee
Senator Lehua Fernandez Bailing
Representative Ezra Kanoa
Representative Bertha Kawakami
Mayor John Yukimura
Kauai County Council

Dear Honorable Elected Officials:

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Yours Truly:

Signature
Printed Name
Address

(WRITTEN COMMENTS ON BACK)
I support PMRF fully, my father worked there for over 15 years and my brother also. 
I believe all the controversy if a pile of bull, I have been to several of the rocket launches and every precaution is taken by Sandia Laboratories to ensure no one gets hurt.

They also serve a bunch at the slightest hint of trouble that people of PMRF work very hard at those 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]

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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 SOLLING
REPRESENTATIVE EZRA KANOHI
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANNE YUKIMURA
KAUAI COUNTY COUNCIL

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Yours Truly:

[Signature]

Printed Name

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
To whom it may concern,

I'm a firefighter at the Pacific Missile Range Facility. I'm proud to work for and at PMRF Kauai. So, it burdens and saddens me that these brave people are trying to stop the SDIO Programs. By withdrawing these SDIO Programs, it would diminish our capabilities for surveillance and training. Therefore, we would be at risk of our operations. Thus, these people don't realize about all the people who work here and their families who depend on PMRF and their livelihoods. So, this is why I'll stand behind the company and the SDIO Programs to go ahead and continue with these programs. 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.

Roni R.K. Murayama

March 24, 1992

Dear Sirs:

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Signature

Printed Name

Address

City/Zip
March 24, 1992

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TO WHOM IT MAY CONCERN:

I wish to show support for the SDIO program and the Pacific Missile Range Facility. My job, fellow workers and I depend on employment to survive. I assure you full missile launches are safe, the records will show.

The past 15 years and hope to lead the rest of my life.

Maalo'o

Nawon, Chief
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.

Thank you,

[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

March 24, 1992

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Signature: Richard J. Morris
Printed Name: Richard J. Morris
Address: 6357 Kapua Pl.
City/Zip: Kauai, HI 96746
March 24, 1992

Dear Sirs:

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[Signature]

Printed Name: JAMES D. TELEGRINO
Address: BOX 1104
City/Zip: LAUD, 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: KENY R. CHIJEN

Address: P.O. BOX 1133

City/Zip: KEKAHA, HI 96752

Note: I've read the Draft EIS and concur that these Ranches are 100% safe!
March 24, 1992

Dear Sirs:

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Signature

Printed Name

Address

City/Zip 5411<br>

To whom it may concern,

I would like to say that Kauai is the only underwater training range in the Pacific and think what the men faces use to train for the STARS. Not to throw out the only defense system that will intercept the incoming missiles and also have taking duty for our folks. And besides the Kauai is helping Kauai's economy. Sure to pray that it just be done from where you claim.

Sincerely, mostly <br>

[Signature]
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 Mirowsky

Print Name: Lawrence Mirowsky

EX104

EX104 (cont.)

1. Prior to Moving To Hawaii I lived in the shadow of Cape Canaveral at the Kennedy Space Center on Merritt Is. It is my current home base on Kauai, is the same distance far.

2. In the 1970's much concern has been expressed by many people, state, regarding the environmental impact on the ecology of Kauai

3. KSC is currently a National Wildlife Sanctuary which encompasses an area that approximates the area of Kauai in size.

4. The Audubon Society conducts annual surveys of various species. Birds All Species Drier.

5. Visitors - Contrary to a detractor to visitors V I C.

Not only Closer off shore But Playlands Beach Closed for weeks not hours

It is necessary to provide the vehicle of monitoring changes in atmospheric condition caused by Customs & Agencies not controllable by
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: [Signature]
Print Name: Richard Reny
March 24, 1992

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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
    SENATOR DANIEL K. AKANA
    REPRESENTATIVE PATSY T. MINK
    GOVERNOR JOHN WAIHEE
    SENATOR LEHIU FERNANDEZ BALLING
    REPRESENTATIVE EROZ KANOHO
    REPRESENTATIVE BERTHA KAWARAKI
    MAYOR JOANN YUKIMURA
    KAUAI COUNTY COUNCIL

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Yours Truly;

Signature
Printed Name
Address

(Written comments on back)

TESTIMONY OF MAYOR JOANN YUKIMURA
ON THE STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT
KAUAI WAR MEMORIAL CONVENTION HALL
March 24, 1992

Lt. Col. Hanauso, Mr. Gallien, Mr. Michelson, Good People of Kauai and Niihu --

Aloha!

As I look out at all of the people who are here today, I am once again reminded of what an extraordinary community we have here on Kauai.

Yes, all of us here tonight, no matter what our position on STARS may be, are part of a tradition on Kauai. A tradition of caring about our island. Caring enough to come out and speak up, to listen, to be part of the discussion and dialogue. And I want to thank each of you for coming out tonight.

It's not easy. Sometimes it gets tense. Sometimes it is difficult to listen to someone who disagrees with us. Sometimes it's hard to speak up, to say what we feel. Other times it's hard to calm down and not get carried away in our passion.

But we keep stepping forward, because we care for our community, our jobs, our economy, our culture, and our island's environment; we care about each other.
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 acknowledgments.

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

Second, to Lt. Col. Muyano, 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 Poihale 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 procedure does 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 Ni'ihau. As we
perceive ourselves, so we are, so we continue to grow and become.
There is this special place of ours -- Kauai and Ni'ihau -- 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 Mugu 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 Guillotine for Lawyers?

The Feds punish a firm for keeping secrets

Lawyers, watch your backs. The French Revolution, in which the alarmists have come to American legal practice.

Last month a prominent Manhattan law firm agreed to pay a penalty of 541 million dollars for a federal civil action against the firm of Charles Keating and his Lincoln Savings and Loan Amortization. The government is data? The Firm, Kaye, Scholer, Forman, Proctor, and three partners, including lawyer manufacturing partner Peter Fishman—described federal banking regulations by withholding damaging information about its client, Kaye Scholer's representations. It was being described as a major breach of the client secrets clause. The case is just one of many that are being described as a major breach of the client secrets clause.

David C. Wheelock, a veteran of the Reagan Administration, has described the case as a major breach of the client secrets clause. He has described the case as a major breach of the client secrets clause. The case is just one of many that are being described as a major breach of the client secrets clause.

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It's Lunacy to Keep 'Star Wars' Alive

By Flora Lewis

WASHINGTON

The U.S. and Soviet Union are heading toward armaments reduction agreements that will curtail nuclear missiles in an accidental arms race.

That's why a new proposal to develop the "Star Wars" program is lunacy. It would destabilize the world's arms race. It would lead to the development of new weapons that could be used in the event of disagreement. The strategic defense initiative is a step toward a world without nuclear weapons.

"It is mindless to develop new technologies that could be used in the event of disagreement. The strategic defense initiative is a step toward a world without nuclear weapons."

"It is mindless to develop new technologies that could be used in the event of disagreement. The strategic defense initiative is a step toward a world without nuclear weapons."

Flora Lewis is a senior columnist of The New York Times.

"It's easier [for bureaucracy] to find a new argument than to find a new job."

If Mr. Bush can't get the "Star Wars" out of his eyes—and he obviously doesn't want to—Congress must bring him down to earth.
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.
February 16, 1992

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 affect tourism (our main money maker) as well as polluting the air, land and water, I can seriously think of better things to do with these missiles and better things to do with the time 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
6599-A Kuhobo St.
Kapa’a, Hawaii
96746
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 of air quality. The TRAP 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 using 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.

3i 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 BII 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 EIS 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 Z-402) that would be released yearly by STARS launches is compared to the current amounts of CPC's 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 help 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 Kauai 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

Deputy Commander re: Missile testing on Kauai, Hawaii

As a concerned citizen of Hawaii I demand that you keep missiles 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 back yard and see how you like it. We don't want any part of your Star Wars program on our peaceful, beloved island! "Monica Lande, 2-5-92"
February 27, 1992

Col. Robert S. Troth
Acting Deputy Commander
Department of the Army
U.S. Army Strategic Defense Command
Command - Huntsville
P.O. Box 1500
Huntsville, Alabama 35807-1801

Dear Col. Troth:

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. Weir, Director
J. F. Drake Memorial Learning Resources Center

March 10, 1992

Deputy Commander
U.S. Army Strategic Defense Command
USDC: E.N.V. (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-1801

Dear Sir:

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

Please investigate and choose another location. Thank you.

Sincerely,

Kathi J. Mackey
1480 Ho'oulu
Hilo, Hawaii
147 Royal Drive
Kapa'a HI 96746
March 16, 1992

Deputy Commander, USA SDC
CSSD-EX-V (D.R. Gallien)
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

March 19, 1992
6335 B Walpoull Rd.
Kapa'a HI 96746

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 Parking Sands, 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 profiteer 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 taking ninety nine years ago. They want us to agree that their own EIS mitigates all concerns that we may have. Of course it doesn't. It's a self promotion 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 PRM base, gives the land back to the Native Hawaiian people, and leaves the Hawaiian Islands forever.

Angrily, Fred Conte

cc: U.S. Army Strategic Defense Command, Huntsville, Alabama
The Kauai Times, Lihue, Hawaii
Responsible Citizens For Responsible Government, Hanalei, Hawaii.
Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

March 19, 1992

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
"Case-to-insulation 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 denigrating the chosen TRPPF model as only a "screening" tool, and then stating "Aluminum oxide is considered an inert, nuisance particulate with 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 failings 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 so casually.

Carbon Dioxide Levels
"Most everyone's contribution to the greenhouse effect are "minute." Yet every minute addition 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.

"Impacts on Stratospheric Ozone
Booster Exhaust Emissions"
- The comparisons to the rest of the space program of the U.S. is misleading. Merely because there exists a greater contributor to an environmental impact does not make the smaller impact insignificant. Especially in the case of the issue of ozone loss, where the effects are not well known, and the consequences could be tremendous.

"...It is estimated that the Strategic Target System program could result in an annual global ozone loss in the range of 0.00001 to 0.0001 percent." This quote is striking! One small program, which is being presented as having no impacts, can have a significant contribution to what some consider to be the greatest threat to mankind.

"Plant species appear to be sufficiently adaptable so that food crop yields would be maintained." This is a controversial statement. A great deal of literature has suggested that the crops used now to produce the bulk of the food for the U.S. may be extremely vulnerable to changes in exposure to ultraviolet rays, since the genotypes of the crops are becoming increasingly focused and specialized.

It seems extremely misleading to separate out the effects on ozone between the booster emissions and the Freon released. This is even admitted: "The release of Freon...will not, by itself, significantly affect stratospheric ozone levels." [emphasis added] Why then, was it treated separately from the other ozone-depleting chemicals involved with the program.

I am shocked that the addition of "0 to 1 melanoma skin cancer annually to the total United States population" is not found to be "significant". It is outrageous that the rest of the world, which will pay the price for this program as well, are just ignored! Using rough calculations, this program, by the Army's own admission, add 20 skin cancer cases to the world each year! This strikes me as quite significant.

While a case is well made by the DEIS that the impacts of the Strategic Target System are minor relative to other programs, the impacts must be evaluated on this specific case's merits.

Is the refinement of tracking techniques worth the increased, however minor, encroachment of humanity into the environment of Kauai? Will the advancements gained by this program offset the lives of those individuals stricken with cancer? On a political level, is the money to be spent on this program best serving the case of security and peace in these changing times?

To my mind, this program cannot adequately argue the affirmative for any of these questions.

Matthew M. Ball
March 25, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSD-EN-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,

Gary Alphonse
Senior Partner
enel

cc: w/encl
Mayor Joann Yukimura, 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 PMRF in adequate detail.

    The discussion of existing air quality in the vicinity of the PMRF is limited to a single paragraph (p. 3-15) which states that "[a]ir quality in the vicinity of PMRF and KTF is generally excellent". This treatment of the environmental setting is inadequate 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 of how air quality at the PMRF 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 PMRF. The Hawaii Department of Health should be consulted to determine which monitoring stations would be most likely to represent conditions at PMRF.

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

    - PMRF Diesel-powered generators
    - KTF Diesel-powered generators
    - Rocket, drone and target launches from the facilities
    - Burning of cane fields
    - Vehicle traffic associated with PMRF 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. 1-8). 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 (boosters, payloads, 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.

6. 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 65 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. 1-8). 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 78753, "Launch Vehicle Effluent Measurements During the May 12, 1977 Titan III Launch at Air Force Eastern Test Range" (G.L. Gregory, et al., January 1979) reported NOx concentrations as high as 1,000 µg/m³ 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-stage 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:
Titan 2-segment motor: 206,120 lbs propellant
22,000 lbs NOx
106.7 lbs/1000 lbs propellant
Titan 94-segment motor: 465,800 lbs propellant
22,000 lbs NOx
47.2 lbs/1000 lbs propellant
STS motor: 30,451 lbs propellant
1,437 – 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 turbulence in the plume entrains 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 NO. 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
GSSD-ED-V (Dr. Gallien)
P.O. Box 1500
Huntsville, AL 35807

Dear Sir:

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 when our entire infrastructure is coming apart at the seams.

Perhaps if there are really enemies of the United States, it would 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 UnAmerican.

Sincerely,

Samuel J. Burris
1875 Kalamianola Ave. #705
Hilo, HI 96720
RMS92-43
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

Attn: Paul J. Mulek, 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.

Ronald M. Shields
General Manager
/kc
March 23, 1992

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

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 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,

E. Woodyard, Ph.D.
Suite 3039-129 Kaumualii Hwy
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 do not feel that the statement should be given the kind of money you are spending on the Strategic Target System. I feel that it is a waste of money to spend a dollar on the STARS and EDX testing and I feel that the money spent on the STARS and EDX testing could have been spent on more important fields of study.

Our National Budget cannot afford the SDI program. SDI is an offensive, not a defensive system, that was conceived out of Cold War Anti-Communist fundamen talism. SDI makes no sense today, economically or socially, since the Cold War is over, the nuclear Arms Race is over (except for SDI), and Marxism and Communism have succumbed to the American way - Capitalism. Furthermore, SDI "protects" only against ICBM's, not against nuclear weapons carried by airplanes, submarines, trucks or suitcases.

For many decades the nuclear arms race and SDI have been the $100 billion dollar brain drain on the United States of America, where these programs have re-routed untold 1,000's of the brightest minds in America away from more important fields of study, such as improving our educational system, and making socially and intellectually meaningful advances in science, medicine, and technology.

The STARS and EDX testing are having a negative impact on the social, cultural, and environmental resources of the native peoples of the Marshall Islands of Kwajalein, and of native Hawaiians who have similar concerns on Kauai, particularly regarding the Sacred Nahilii Dunes area of Barking Sands.

Both the EA and EIS for the STARS and EDX programs inadequately address the potential negative environmental impacts these programs may have on nearshore marine ecosystems, particularly endangered and threatened species, which occur around Kauai, Niihau, and around Kwajalein atoll.

Finally, the average man, woman, and child "gives" about $1,000 per year in tax dollars to supporting the SDI program, a program which was ill-conceived and is now obsolete. PMRF was on Kauai before the SDI, STARS, and EDX programs were conceived, and PMRF will be here after these obsolete programs are abandoned. The only way the public can stop these wasteful testing programs on Kauai is to immediately WRITE AND PHONE THEIR CONGRESSIONAL DELEGATES, particularly Senator Daniel Inouye who chairs the Defense Appropriations Committee, his phone number is (808) 224-3934.

Sincerely,

[Signature]

cc. Senator Daniel K. Inouye
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 our economy. We cannot put even one accident. PLEASE STOP THIS PROGRAM IMMEDIATELY.

Sincerely,

Bill Francisco
P.O. Box 930
Hilo, HI 96720

Name
Address

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 35807-3801

WR17
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 impact of the "STARS" program on a global scale is counterproductive & dangerous. The impact of the "STARS" program on a national level will endanger our "building peace" economy by perpetuating our military build-up when efforts & money should be shifted to a "peaceful" economy. The impact of the "STARS" program on a local level will subject our tourist industry to adverse publicity, subject our local population to the threat of an accidental catastrophe, limit access to an important State park at Halona & further divide & inflame the racial harmony that already exists. The impact is ALL NEGATIVE!!

Name: Tony Freeman
Address: P.O. Box 120, Kailua, Ht. 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

Written Comment Sheet

March 28, 1992

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:

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

Our military has overspent and overmanned and too many us "STARS" is just another way to waste money that could be spent helping our citizens. Our national debt is a disgrace to our government and one way to "stop the flow" is to cut unnecessary (STARS) spending.

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

Name: Eunice Hutchings
Address: P.O. Box 3448, Princeville, Kauai 96722

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 28, 1977

Mr. Albert Gallatin
P.O. Box 222
Hilo, Hawaii 96720

Dear Mr. Gallatin,

Thank you for your letter of March 10th. I hope that you and your family are well.

I have received the facts about the new housing plans for the Marshallese community near your home. I am pleased to hear that the plans are moving forward.

I am writing to express my concern about the proposed changes to the area. I believe that the new housing plans could have a negative impact on the community. I am aware of the challenges faced by the Marshallese, and I am concerned about the potential for displacement and displacement of the community.

Please provide me with more information about the proposed changes. I would like to understand the potential impact on the community before finalizing any decision.

Thank you for your attention to this matter.

Sincerely,

[Signature]

cc: [Additional contact information]
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.

Valley Alaska are all beautiful — now save
destroy it beauty.

Valley Alaska are all beautiful — now look at it!

Save some beauty for our children — please use
your heart & mind together — this is why they
came in 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 recognized international law expert.

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

Thank you very much,

Jana Livingston
Box 833
Hanalei, Kauai 96714

Name: Jana Muller
Address: P.O. Box 100

Please hand this form in or mail by April 13, 1992 to:
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callen)
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 analyses 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/concerns.

3. The Not in My Backyard (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 Kwajalein Atoll (which was addressed via a separate EIS). Some 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 them in your comments to the DEIS.

4. I can not speak for the US Navy or Capt. Mullens, 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 reflect there may be a significant impact to the SOCIOECONOMICS of Kauai.

Respectfully,

James L. Dawson
PMRF Employee
WR25 (cont.)

Written Comment Sheet:

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

I have only lived on this island for 1 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 on the island one time to see where all or most of the county funds go into making Kauai a better place to live. The mayor has always helped the East shore communities before the West side gets any improvements.

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 20's 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.

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

It amazes me that 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 for which 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 effects, the area surrounding the launch site.....all of these issues I feel I haven't gotten enough information to make me believe the launching will have no adverse effect on the environment.

3. The area of Nahili 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 leaders 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 an infringement 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 overspending... 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

# S.S. 082-36-3069
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 with your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I believe that the very spirit of our nation won't take it into consideration, we are a place of healing and beauty. SDI is totally alien to what Kauai is all about. The site at Liko is an accident it might impact. The environment is one of the most beautiful places in the world. If there is any harm done to it, it will be a disaster.

The site of a nuclear weapon depot in Hawaii is a place that we have to protect. The clean air and water is what makes it so special.

I believe that Kauai is one of the last places left in the world where we can still hear the sound of the waves and see the beauty of nature. The site at Liko is not only a place of beauty, but also a place of peace.

I am writing to express my concerns about the proposed missile launch site from Kauai. Kauai is one of the last pristine places where the beauty of nature abounds. Our breathing waterfalls, mountains, oceans, the cleanliness 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 missiles sent to our polynesian cousins and take away their rights to their island home.

The ozone layer and its dwindling protect is major problem facing us today. The chemicals the launches will spew into our atmosphere right here on Kauai will further thinning of the ozone. Here on Kauai the sun is so strong already we cannot afford to do anything that will knowingly destroy the ozone.

Please don't let this happen. This land belongs to our Hawaiian people and they should have their land returned, not contaminated by toxic fuel spillage, leakage, or catastrophic launching.

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

March 28, 1992

To: Deputy Commander

U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.J. Gallen)
P.O. Box 1500
Huntsville, Alabama 35807-3801
What about our neighbors on Ni‘ihau?
A catastrophic launch could seriously jeopardize the health and livelihood of Ni‘ihauans.

The restricted access to Polihole 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. Kokee 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. Please say no to missiles on Kauai. {Handwritten note:} Sincerely, Caren F. Diamond

Caren Diamond

RAYMOND L. CHUAN
P.O. Box 1183
Hānae‘e, HI 96714
808-420-6814

March 30, 1992

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

Dear Mr. Gallien:

In reference to the STARS Draft EIS I have the following questions and comments.

1. Has the Memorandum of Agreement with respect to the ground hazard area been executed by the Hawaiian State Board of Land and Natural Resources? If not, when do you expect it to be executed?

2. Has the Grant of Easement been executed by the State of Hawaii? If not, when do you expect it to be executed?

3. In Section 2.1.2.2.3 (p. 2-25) of the DEIS there is the statement, "PRMF will notify the State of Hawaii and the Rekaha Sugar Company at least seven days prior to launch before exercising rights under the easement. In Appendix B, Draft Memorandum of Agreement, Paragraph 11, 'The Navy will notify the DLNR ....(illegible)... Hawaii Department of Transportation at least seven days prior to each rocket launch or closing of any position of the Kaumualii Highway,...' In Appendix C, Draft Grant of Easement, Paragraph 7, 'The United States will attempt to notify the State at least seven (7) calendar days prior to each scheduled launch requiring the exercise of the above rights.' Since the Grant of Easement is the controlling document here as far as the U.S. government's right to control state land is concerned, does it mean that the U.S. will only attempt to notify the State, rather than 'will notify'? If so, the U.S. government is under no obligation in practice to notify the State of Hawaii of any rocket launch. Is this correct?

A timely response to these questions will be appreciated, in view of the intense interest in this matter on the part of the residents of Kauai.

Thank you for your cooperation.

Yours truly,

Raymond L. Chuan, PhD
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 only acceptable alternative on your CoS 13 is the 'No Action Alternative.' The only Kauai citizens who are really in favor of CoS 13 are those who are employed by PMRF. Your records of comment would accurately reflect the opinions of Kauai's residents if some letters from PMRF employees were taken for what they are, a plea for job security—when actually their jobs are not at risk.

Name: Prima Priamne
Address: P.O. Box 238, Hauula, HI 96717

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 35807-3801

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.

To Whom It May Concern:

By way of introduction, my family has resided on Kauai for generations. I attended Koloa 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 1988. 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 H. K. Blake
Address: 4334 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 PMRF 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 PMRF 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 PMRF, 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 PMRF 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 1500
Huntsville, AL 35807-3801

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 "its vapors 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 mowed. 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. The 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 present additional safety concerns that should be addressed. This should be discussed in the EIS.

9. What is the approximate timetable for the proposed launches? The EIS does not address Kauai's known season for rough seas and the possibility that liquid fuels for many launches may be stockpiled at PMRF. 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 PMRF operations, in addition to the proposed launches? 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 Kutaka
Address: P. O. Box 730 Waimea, 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 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 IN OUR PARADISE...

Please!!

NAME:Run Cosbe
Address:PO. BOX 445 KILAUEA HI 96754

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 addressed and analyzed. I believe that the STARS program is totally safe to the island of Kauai. I support this program 100%.

Being a member of our little community, I understand and sympathize with the concerns of the mayor and the other people of Kauai against STARS. However, I feel it is my duty as an American citizen to support the decisions made by our elected officials regarding any military programs proven safe and effective to the people and future of the entire world.

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 35807-3801
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.

Dear Deputy Commander,

As a resident of Kauai, I would like to voice my concern about the anticipated impact of having a Star Wars 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 Former Soviet Union, Three Mile Island in Penn... and the list could go on and on... These are only a few examples of what people said could never happen... and did.

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

Name: Suzanne Biedel

Address: P.O. 3006 (#10 Pali Ke Kua, Princeville)

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

and into an era of peaceful negotiation. Unfortunately, the need for our defense means a reduction of jobs in that category. However, we could find 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 Barkley Sands facility 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 sensible 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 plan for Star Wars testing on the island of Kauai... Accidents do happen.

Very Sincerely,

Suzanne Biedel

PS. If at all possible, I would appreciate a reply.
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-Kauaians, I would like to say a big Mahalo... we know and appreciate the objectives of your mission with respect to national defense. We also appreciate the way you handled yourself amidst volatile and acrimonious adversity, namely that “Bunch” maneuver protest-activist from Kauai’s north shore.

Please keep in mind and proper perspective that Elizabeth Freeman and Suzanne are not the only island residents who have been involved in protests. They are not the only ones who have participated in the protest. Many others have also participated. The protest is not just about Kauai, but about the entire state of Hawaii.

I don’t know if you’ve ever been to Hawaii, but it’s a beautiful place. The beaches are crystal clear, the water is warm, and the people are friendly. I hope you had a pleasant trip back home.

Sincerely,

[Signature]
B. NATIVE HAWAIIAN IMPRESSIONS AND MANA'O:

I am an aboriginal, native, polynesian part-Hawaiian; I have more than half of this native blood as you can tell by my family sur name. I love my native Hawaiian culture. As a matter of fact, I have taught "Hawaiiana" and Hawaiian history at the Travel Academy as well as two semesters at Kauai Community College. My Hawaiian genealogy has been traced back to Alapa'i the great of Ka'u, Hawaii. I have another ancestor that was one of the kahanas that officated at the sacrifice of Keoua at the Puu Kohola Heiau at Kawaihae, Hawaii in the late eighteenth century. I also have the high chief Hawaiian of Maui as one of my ancestors. Therefore, I have both the knowledge, the blood lineage, and the mana'o as a native Hawaiian to qualify myself as an individual native who can speak for himself of native Hawaiian issues.

I therefore want you to know that those misled, misguided native Hawaiians that were present at the Convention Hall for the hearings, speak for themselves and not all or the majority of the native Hawaiians that I know. They seem to be looking for a forum to speak other Hawaiian issues such as Hawaiian Sovereignty and the preservation of Hawaiian language. There also present amongst the native Hawaiians those people that had taken over the public areas of Anahola Beach Park and had to be forcibly evicted from that park by the DHHEC and the FBI. In other-words other than Aletha Kauchi and Kalani Flores, and a few others, there were NO native Hawaiian who could contribute any logical and not emotional argument that was pertinent to the issue in contention.

I have found out that the U.S. Army has gone way out of its way to avoid desecrating either ancient Hawaiian grave sites or temple (heiau) sites. I also found out that no digging of any sort relative to the construction of the test launching site, is ever made without Dr. Kikuchi, Kauai's eminent archaeologist and teacher at Kauai Community College, being present during the actual digging. The cost for Dr. Kikuchi's presence, the re-interpretation of any books or documents at the launch site of the mobile, and the salaries of Mrs. Kauchi and Kalani Flores, have all be paid for out of the U.S. Army funds for this project. As far as my personal research into ancient Hawaiian sites, the Army's efforts in that area convinces me that the Army has gone out of its way to avoid destroying or desecrating graves and other archaeological sites. They have shown great respect and have treated our ancient dead with the most reverence and dignity. I am a native Hawaiian and greatly impressed, gratified and appreciative of this treatment... Very much worth of credit to the U.S. Army.

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 the television coverage of the PATRIOT vs SCUD missile confrontation, you cannot deny that spectacular performance of this anti-missle missile was awesome. Post war criticisms arose soon after the crisisstateing that our PATRIOT missile 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 that this weapon system had NOT completed its "Shake Down" tests of research and development. But because of the urgency of the situation to do anything, anything to stop the Iraqi SCUDs, it was rushed into emergency usage 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, the fact that the research and development was not completed, under-scores the necessity and importance of high tech research. More especially in the high tech area of anti-ICBM and IRBM research. Speaking for the veterans of Kauai, I know that if we had a developed and refined anti-ICBM missile system providing our families and communities with a protective "umbrella" to live under, we would rest alot easier than not having anything at all. So please do your share in the halls of congress to give us this protection!!

D. ECONOMIC IMPACT OF SDI PROGRAM TEST ON KAUAI:

PMRF now employs approximately 500 people at present, if you multiply that figure by 1.5 because of the wife and child effect, you will see that there are at least 1200 people that depend on the continuation of basic aerospace research as well as naval maneuvers off the coast of Kauai. With the anticipated 4 launches per year, there will be a total of 600 more personnel coming to Kauai per year. This amounts to a very large amount of money. Here is some eye-opening figures:

1. There will be 4 launches per year for 10 years
2. There will be approximately 150 technicians and scientist present per launch.
3. Their stays will be approx. for 30 days; 2 weeks before and 2 weeks after the launch. These figures amounts to 4500 guest room-days/launch.
4. Since there is supposed to be 4 launches/yr., this translates to a whopping 18,000 guest-room days/year.
5. Multiply this by the special governement rate at either the Waioli Hotel or the Sheraton-Kauai Hotel at Poipu, which is $75.00/day; this is equal to 1.35 million dollars per year ($1,350,000.00). And this only represents room costs, Multiply this figure by 10, and this translates to $13,500,00.00 spent over a 10 year period.
6. Besides that figure, you have to add the cost of feeding these technicians. Their per diem should be at least $35.00/day multiplied by their 4 times/year appearances, this comes up to $630,000.00/yr., or another $6,300,00.00 to be spent over a 10 year period!!!

Besides the basic human needs, I am sure that these technicians and scientists will imbibe or drink which is not included with these figures. Also not included but should be considered along with these projections, are car rentals, tours that might be taken such as helicopters, boat tours to the Nāpali coast, bus tours, tours to the Fern Grotto, gifts and momento's such as pineapples, macadamia nuts, coffee, leis, anthuriums etc.

So as you can readily see, this program will bring a very real-shot-in-the-arm for our tourist oriented industry. Also keep in mind that all these vendors and service providers keep Kauaians employed therefore, we do not want to loose this project! FOR THIS REASON ALONG WE WANT YOU TO SUPPORT SDI AND HELP BRING "NEW GOVERNMENT MONIES" TO KAUAI!!!
P. THE NEWS MEDIA:

I believe that there was some very biased reporting prior to and following those public hearings in luhu. 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 and fundamentally true or correct. And by giving the almost limitless support and news space in their papers, the average John Doe citizen of Kauai was inundated with this distorted perception. This then caused these basically ignorant populace to be swayed to believe the "biased" word. Hence, a lot of people maybe writing to you congressional representatives that they oppose SDI. The with-holding 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 too 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 divisionness amongst Kauians. This misuse or abuse of the press has polarized Kauai into two camps: one for, and one against SDI/STARS. 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 awed or influenced by such chicanery... I urge you to please one of your staff researchers to objectively, analyze ALL the facts before drawing any conclusions.

I would like to remind you how the yellow journalism of the nineteenth century million-earner 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 United States 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 this is what happened here on Kauai also.

P. THE PROTESTS:

Concerns expressed by the opponents of SDI/STARS are almost all addressed in the EIS. However, before you believe the opponents, you can judge for yourself the validity of the argument. I am totally convinced that the U.S. Army has taken every facet of possible impact the missile launching could have upon the environment. The Army is quite aware of any and all possible dangers that can arise from the project, and have all precautions to prevent such a happening. I own a property, and am a resident of Kauai. I want you to know that I have no qualms of the occasional forbiddance of entry to 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 a benificial effect upon the fish populations there at Mana. Ask any fishermen who has used that area how is the fishing there at Mana, and guarantee you that it will tell its story. And these temporary closures are only a minor inconvenience that reaps a large benifit for the fishermen!

SUMMATION:

Please remember us vets that gave our youth, limbs and some their lives, in loyal service to our country, and most especially when this issue of the SDI/STARS comes before the congress for approval and funding. 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 gives Hawaii and all our families here an added cushion of protection against nuclear iradiation. I dearly want all of my descendants to enjoy our beautiful Hawaiian Islands.

Please examine very carefully who are the supporters of SDI and who are their opponents. The over-whelming majority of supporters are local born, and bred in Hawaii. Look at the opposition, and you will see that these are very obviously mainland recently arrivals. Look at the two groups of people and see who as a group has contributed to the enrichment of life on this Island. Look at these two opposing groups and see which of them is the one that has contributed men and women for military service. Look at these two groups and see which one has those people that have a VERY SPECIAL ALORAH AIWA MANA'O, I know you know the answer to this question...these are the same故 our ancestors sprang from!

For over twenty years our navy has been testing rockets, and having maneuvers at PMRF...where were these protesters then? Why is it now 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 in purelyhypothetical and conjecture which is 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 Mana. 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 even hired the services of the best available native and local authorities of Hawaiian antiques and archaeology, namely, Dr. W.K. Kikuchi of the U of H, Kauai Community College; Alama Community College; and the others. The names of other prominent scientists in the field of marine biology, plant ethnobotany, chemists, archaeology, and many others can be found in the EIS and the records of the U.S. Army officials that are responsible for this project in Huna, 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 Kauians yet to be born, if you were to use the power of your offices to scuttle the SDI/STARS project at PMRF. Please heed our urgent pleas for your support...PLEASE SUPPORT THE SDI STARS PROGRAM PLEASE HELP THE U.S.ARMY GIVE US THAT ADDITIONAL CUSHION OF PREVENTION AGAINST CHERNI'SII!

---

KALOLI POMARO

2-3-22

LAWRENCE P. Aiwori, U.S.A.F. Ret.
USVA Ch 210 25 421
D.A.V., Chapter 5
48568 Rahalas Rd., Apt. 2A
Kapa'a, Kauai, HI 96746
Tel: (808) 822-3481
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 Strategic missile launches on the following grounds:
1) The effect on the ozone layer is not properly addressed in the EIS.
2) I object to the human rights abuses to the residents at B573, sponsored by my tax dollars.
3) Membali prime 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 3236  Pensa, FL 32722

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 feel the Draft Environmental Impact Statement adequately covers all the impacts that arise from launching the Strategic Target Missiles from Kauai for the below reasons:
A - I feel any negative emissions in the air at a time like this with world wide ozone depletion is a factor in eliminating this project.
B - The impact of landing our missiles has a negative, demoralizing effect on the people on other islands causing them to be removed from their native homeland.
C - Our sacred homelands cannot be sacrificed for launching these rockets. The environmental risk of abuse of sacred land is not worth the sacrifice.

Name: Charlene Fleming
Address: P.O. Box 424  Kauai, HI 96754

Please hand this form in or mail by April 15, 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 am against the Stars Project for many reasons:

- It would be the largest single source of nuclear proliferation. If accident occurs it could cause great economic problems in Hawaii. Why are we doing this in this post Cold War period—save our planet, please.

Name: Pati Rae Van Hark
Address: P.O. Box 1280 KALAOA 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
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 against having the Strategic Target System launchers 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 assess what if an accident occurs. I am opposed to the tankers being transported to and around Kauai by sea or land. I don't want hydrocarbons on Kauai.
2. I don't want P3s based on Kauai for 1 month every year. The EIS plans for the significant impact on the Na'iea Shoecutters, the whales, and the Adlers Torgeu Tuamia, is not adequate.

Name: Maryla Kelly
Address: 407 Kikala Rd, 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

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.

Kauai is not the appropriate place in this system. It would affect our economy, visitor industry, especially negatively and put an unnecessary fear on us who live here. Please don't do it.

Name: E.C. Snyder
Address: P.O. Box 1048, Lihue, Kauai 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
Page 1-4

April 2, 1972

Dear Mr. Ballin,

I attended the meeting on the first
night concerning the Star War Program
at the Island of
Hawaii. I got there at 6:30 PM and
toured the site 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 armed forces for four
years during the Vietnam war. Although
I didn't approve of why we were there, I went to war off
to Canada rather I would have gone
to Vietnam 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

285
of our citizens. Maybe to Henry, Risinger, the home of a few don't count compared to the many, Henry Risinger never had to live on Kwajalein Atoll in the Marshall Islands and have his home lands taken from him and headed like sheep into a small confined area bigger than the Orange Shipping Area in Honolulu. Henry Risinger didn't have to watch as his home land became a target for missiles like the Marshallians people 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 deteriorating of the Ozone Layer and to the danger of transporting dangerous chemicals on our roads here.

I don't think that "PMRF" is going to close down just because they don't get the Star Wars Program. I feel that PMRF is too vital to the defense of our country and too much money and effort has been invested there for the establishment of highly technical equipment to safeguard our country from attack.

Thank you for reading this letter.

Respectfully,

Louis A. Perotta Jr.

P.O. Box 1705
Lihue, Kauai, Hawaii, 96765
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 "Missile Island"—not a good vacation image.

I also feel it's stupid to in the past Cold War era to spend money on offensive weapons.

These weapons are also dangerous to human health and our life. Thank you.

Name: Deborah L. Arata
Address: 3473 Haweloa 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: CSSO-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 us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The DFS should have been drafted by objective groups not Navy, Army, USAF and military. I want more research and information on the impact of a possible accident on the islands' fragile industries, tourism and on the target site. The sketch 'Island' I want more detailed information on the impact of possible accidents during transportation of weapons (fuels) and in combat. I want more detailed information on the impact of illuminated flares and on the safe layer. I want to understand the need for details.

These impacts are not details.

Name: John R. Churchill
Address: 5399 Kapapa St, Kapaa, HI 96746-2335

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
WR51

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 VERY MUCH AGAINST THE
   STRATEGIC TARGET SYSTEM PROJECT ON KAUAI.

   KAUAI'S BEAUTY ATTRACTIONS 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: PO BOX 1280 KALAOA 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. Callien)
   P.O. Box 1300
   Huntsville, Alabama 35807-3801

References:

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. Oppose the proposed "Strategic Target System" missile launchers due to the fact that the actual and potential economic and environmental damage which these launchers will cause far outweigh any benefits that the proposed system can provide. I strongly recommend that you adopt the "no-action" alternative.

Name: Michael S. Swatek
Address: 3707 Omahu 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. 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.

Against testing missile system on Kauai,
This is the "garden island". We have a sensitive ecology and environment. An accident could wreak havoc on both the immediate area and other land areas.

You haven't examined the immediate effects of halo release on 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.

Water access boating will be restricted and noise pollution from launches is already unacceptable.

Name: Dr. Edward de Deco D.C.
Address: 3707 Omahu 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
April 2, 1992

Deputy Commander, U. S. A.  SDC
CSDD-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
fanatics are still here. I regret not being able to go to
the two hearings you held, but we don'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 Phillipines. 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
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 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 Vet-
erans Council which is on record as for it.

Thank you.

Sincerely,

Tugime Takamoto
6415 Aalea Drive
Kapaa, Hi. 96746
823 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.

I am against the star wars project on Kauai.

Kauai represents the last garden of Eden to all

who visit and especially those who live here. It

is known as the healing island. Bringing star wars

here would not only harm the environment but put

at risk the lives and livelihood of its people if there

were to be an accident in transporting the chemicals

required to launch this project through the island.

The chances of an accident happening are very probable

and likely. Aside from the environmental issues,

the depletion of the ozone layer & transporting toxic

chemicals I find it disrespectful to the Hawaiians

who, in this land belongs to the growing. Sire being

one of the most sacred healing on the island.

Name: Deborah Mainzer

Address: P.O. Box 3 Kauai, HI 96751

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 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.

Name: 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

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 choose the No Action Option for STARS on Kauai. I back the mayor who is opposed to the STARS project. I am outraged that the public's health and safety would be at risk of transportation of hazardous materials were allowed to happen. The EIS study & PEER officials have not been contacted or consulted as suggested. Kauai's public safety staff are the people who would be affected.

In this post-Cold War period, we no longer need to spend money for offensive weapons under the guise of defense.

Name: Vance Van Amburg
Address: 1078 Koloa Aiken 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 STAR program on the island of Kauai.

Sincerely,
Mary A. Smith
Post Card
U.S. Army Strategic
Defense Command
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.

A show an accident occurs the bad publicity would affect our economy as well as harm the island also. We needn't spend money for this thing. As defense please choose the no action option for Star on Kauai.

Name:Kay Doty
Address:4811 Kukla
City/Haelt Zip Code: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. Gailien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
April 1, 1991

KATE HARINGTON SHEA
AND ASSOCIATES

U.S. Army Strategic
Defense Command
P.O. Box 1500
Huntsville, ALABAMA 35807-3501.

Attention: C.D.S.-B.E.G.

To Whom it May Concern:

I am writing to inform you that I am currently from the
activity on

thank you.

Sincerely,

[Signature]

Kate H. Shea

April 5, 1991

P.O. Box 224
Pinonville, CA 96072

U.S. Army Strategic Defense Command

P.O. Box 1500
Huntsville, Al. 35807-3501

Dear Mr. Walker

I hope you are well. I am writing to let you know that the
the above

Sincerely,

[Signature]
Mr. Randy Gallien  
Lt. Col. Gus Manguso  
U.S. Army Strategic Defense Command  
P.O. Box 1500  
Huntsville, Alabama 35807-3801  

Aloha, Gentlemen:

Enclosed please find some comments I submit regarding your STARS/EDX missile program proposed for Kauai. These responses are mine individually, and not those of Sierra Club.

Under separate cover, and (probably moments) prior to your April 13, 1992 response deadline, Sierra Club's official comments will be delivered.

Working with you in the past has been a pleasure; I hope the same will hold true for the future.

Kind regards,

[Signature]

Garry Marine

---

P.O. Box 1172  
Hanalei  
Hawaii 96714  

April 3, 1992

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.

eons 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.
if I prevail and stop your launches,
what happens to your family life?
must we fear for your careers, your certainty or mine that
what we do is right?
will our actions bring more harm than what's already done?
  I pray to God it won't be so.
  Please know, please know, I do not want to hurt you
  any one.

or might you send your rockets with me imprisoned in a cell,
the freedom that I love most dearly lost inside your victory?
  I pray again that this won't be.

each answer is as possible as all the other ones,
but every one I see today
involves more pain along the way.

I close my eyes and try to let the visions go,
the wall and my pen must protect me; there's no need now
to know.
Eons pass but mourning will remain.

my tears relent and begin to flow
with the answering downpouring rain.

(2)
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 Forester. 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, and am a mother. I chose this field of work because I love and care about people. I see the difficulties which our present way 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 it received the EIS in the mail it was disappointed to find the lack of social and humanitarian implications. It seems to always be the case, that when Governments appropriations for military weigh things out - it is always human lives that lose out. I'd like to ask, "Was the Marshall Islands ever considered when the U.S. military decided to put a missile range on their precious atoll of Raraffalein? Or was the strategic location of their islands more important?"

Did the U.S. government ever consider the Hanae Miki Oka 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 in the silence of your own soul, ask yourself, Is the decision to allow the U.S. government's military to fire off these dangerous war machines from our island home 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 U.S. government ever consider the Native Americans on the
mainland, when they took over their land and confined them to The Harrow 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 illegal action (mostly illegal) to get most of the mineral rights back from them. The injustices that the investigations uncovered against our own Native Americans were deplorable.

My friends, it saddens me greatly every time I study and learn the injustices committed against human kind. Who is the culprit? Who harms our country and our land, over and over again? Throughout all of our 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 proposes. 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. This 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 7 mile Island melted down. You know what? It's still melting down. They aren't able to stop it! Yet... all hush, hush 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 expands 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 face possible lay-off.

And... above all, do not be duped into believing that you can do anything to stop this. You can see what has been done... 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 beautiful landscapes in the entire world. People spend years saving up enough money to vacation here for Toru when Niihau.

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, remember. Do not further damage these lands! Haven’t we done enough damage already? It’s time to be helpful, not harmful.

Sincerely, Deborah Terioka.
MR. CHAIRMAN

NATIVE KANAKA MAOLI PEOPLE OF NA MAOKU PUNI 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 AS BECAUSE OF GOVERNMENT ACTIVITIES WHICH ARE BEING PLANNED AT BONHAM AIR BASE, CONCERNING THE STRATEGIC TARGET SYSTEM AND ITS ENVIRONMENTAL IMPACT ON THE ISLAND OF KA HOKUPUNI CALLED KAUA'I IN THE DISTRICT OF PAPAENAENA OF THE AHUPUA'A OF KIKIAOLI

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 LOSING 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 REGARDS 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 5661 WHICH DEALS WITH THE MANAGEMENT AND DISPOSITIONS 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 EEFING IN MIND THAT THE YEAR WAS 1898 THE INHABITANTS WERE REFERING 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 BOUVIER'S 3328
THE UNITED STATES CLAIMED NO OWNERSHIP TO SAID PUBLIC LANDS, BUT
RATHER HOLDERS IN TRUST AS PURSUANT TO TITLE 48, 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 KANAKA MAOLI
PEOPLE.

FURTHERMORE PURSUANT TO BOUVIER'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 WANA NA KOA VS. POLY BLANK 205 U.S. 354, 27 SUP. C.T. 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 THERE FROM SHALL BE HELD BY SAID STATE AS A PUBLIC
TRUST FOR THE BETTERMENT 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 BONHAM 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 16.2484 AC

A TOTAL OF OVER 2,000 AC AND YES PAYMENT PER YEAR IS $1.00 FOR ALL
"OR" ARE THESE LANDS AT BONHAM AIR BASE THE PRIVATE OR SOVEREIGN LANDS
DEEDED TO A NATIVE KANAKA MAOLI CHIEF NAME AU HUN IN THE GREAT MAHELE
OF 1848, THE FIRST DIVISION OF JANUARY 27, 1848 IN THE SECOND PALAPALA
OR DEED.

TO ANSWER THESE QUESTION AN OVERVIEW OF THE GREAT MAHELE OF JANUARY
27, 1848, ENDORSE BY AGREEMENT OF KING KAMEHAMEHA III, PRINCESS
VICTORIA KAMAHALU BY HER GUARDIAN NATAIO KEKUANAOA AND IOANE II, TAKEN
FROM THE BIG BOOK THE GREAT MAHELE OF 1848 BY JON J. CHINEN.
AN OVERVIEW
OF
THE GREAT MAHELE OF 1848
PALAPALAaina--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, WHERE 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 AHUPUA'A, OR ILI
AINA.

THE FIRST PALAPALA OR DEED TAKEN FROM THE MAHELE BOOK OF 1848
THE FIRST PALAPALA OR DEED
(BELONGING TO KAMEHAMEHA III)
(TRANSLATION - KANAKA MAOLI TO ENGLISH)

(E I ko AUANEI NA KANAKA A PAU)
I RECOGNIZE PRESENTLY THIS KANAKA RACE OF PEOPLE ENTIRELY
(MA KEIA PALAPALA)

IN BEHALF OF THIS DOCUMENT
(OMAU O KAMEHAMEHA III NO KA LOKO MAIKAI O KE AKUA KE ALII O KO HAWAI
NEI PAA AINA)
I HUMBLY AGREE I KAMEHAMEHA III BELONGING TO THIS GOODWILL AGREEMENT
OUR LEADER OUR CHIEF OF THIS ISLANDS THIS GROUP OF LANDS.
(UA HAWAI AU I KEIA LA NO KO'U MAKEMAKE MAOLI NO A I A HOOLILO A NE KA
HOOKAWARE MAOL 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 NE 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.
(AI A E PO MAIKAI AI KE AU PUNI HAWAII)
TO CONTROL TO GET FOR MY PROSPERITY FOR MY KINGDOM OF HAWAII
(NO LAILA MA KEIA PALAPALA KE HOOKO NEI AU)
THEREFORE IN BEHALF OF THIS DOCUMENT OURS TO SAVE IN THIS ERA.
(NO'U I HO A NO KO'U POE HOOLILIMA A NE POE HOPE A NAULOA AKU NEI AINA)
FOR MY DESCENT AS YOUR OWN BELONGING TO YOU PEOPLE "HEIR" AS YOUR OWN
MY PEOPLE SUCCESSORS AS YOUR OWN FOREVER THIS DEFINITE AMOUNT IN THIS
ISLANDS.
(OU I KA E KA UIA HA NA AOAO)
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.
(0 KEIA PUKU)
AGREEMENT WRITTEN IN THIS BOOK.
"E ike aanae i na kanaka a pau ma keia palapala, owa o KAMEHAMEHA III, no ka lokomaikai i ke Akua, Ke Alii o ko Hawai'i no Pae Aina, ua haawi au i keia la no ko'u makemake maoli no, a e a hoolilo a me ka hookahi wale mau loa aku i na Alii a me na kanaka ka nui o ko'u aina Alii, e pono ai a e pomaikai ai ke Aupuni Hawaii, molaila, ma keia palapala, ke hookone nei au no'u iho a no ko'u pae hoolina a me ko'u pae hoole a mau loa aku nei aina o'u i kakaula ma na aoao 178, 182, 184, 186, 190, 194, 200, 204, 206, 210, 212, 214, 216, 218, 220, 222, o keia Duke
KO KAMEHAMEHA III

WHERE AS FROM THIS PALAPALA OR DOCUMENT OR "DEED" THE FIRST INSTRUMENT OF THE GREAT MAHELE OF JANUARY 27, 1848 BY KING KAMEHAMEHA III BY HIS OWN FREE WILL HUMBLY AGREES 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 HAWAI'I 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 KAMEHAMEHA III

1- TO HIMSELF - HIS CROWN LANDS
2- TO HIS KINGDOM - THE KINGDOM OF HAWAI'I
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 KAMEHAMEHA III DECLARED HIS SHARE OF LANDS OF THE ISLANDS OF NA MUKU PUNI CALLED HAWAI'I AND BY THIS PALAPALA "ALL THAT HE TOOK, WAS ALL THAT HE GOT".

YES ONLY THE LAND SET ASIDE HERE BY KING KAMEHAMEHA III IS HIS KINGDOM AND/OR CROWN LANDS ALSO FOR HIS HEIRS AND SUCCESSORS.

THE KINGDOM AND/OR CROWN LAND OF HAWAI'I THAT WERE DEFINED IN THE
ORGANIC ACT OF 1900 IN TRUST FOR THE BENEFIT OF THE HAWAIIAN PEOPLE ARE HERE ALSO.

PAGE 222 OF THE MAELE BOOK LANDS OF KAUAI DEEDED TO KING KAMEHAMEHA III

HANAPAPE - WAILUA- AMANOLA

KALANEO - KAPAA

WAIMEA & HAMALEI ARE QUESTION MARK?

HAMALEI IS NOT AN ANCIENT PLACE, WAIOLI IS ANCIENT HAMALEI 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 HAMALEI AT KAUNALOAN LANDING:

NO KE AU FUNI

THE GREAT MAELE OF JANUARY 27, 1848 BELONGING DEFINITELY TO AU FUNI

TRANSLATION KAMAKA 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 MAELE BOOK, WRITTEN IN KAMAKA MAOLI LANGUAGE THIS TRANSLATION IS TO ENGLISH BY A NATIVE KAMAKA MAOLI CHIEF FUNI OF THIS ERA OR AU FUNI BY GENEALOGY (E IKIKOUU E NA KAMAKA A PUA NA KEIA PALAPALA)

I RECOGNIZE YOU BY THIS KAMAKA MAOLI PEOPLE ENTIRELY AND BY THIS DOCUMENT

(0 WAU O KAMEHAMEHA III NO KA LOKO MAI KAI O KE AKUA KE ALII O KO HAWAII MEI 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 HAAI AKU MEI AU ME KA HOOLILO A ME KA HOOKAAMALEI HAULOA)

A DEFINITE AMOUNT TO GIVE AWAY IN THIS ERA, TO APSS IN TO POSSESSION TO GET AS HIS OWN AND TO BE DIVIDED FOREVER.

(AKU MO NA ALII, A ME NA KAMAKA 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 LIHI 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, NORTH, RICHES, COSTLY VALUE, VALUABLES, USEFUL VALUABLES, IMPORTANCE.

ENTIRELY ALL THE INTERIOR OF THE LANDS ALSO.

(O NA AINA EIA NO NA KO HAWAII PAE AOA)

THIS AGREEMENT BELONGING TO THIS LANDS, YOU ARE NOTIFIED FOR IN BEHALF OF THIS GROUP OF ISLANDS.

(UA KA KA UIA NA MA AOAO)

TO PRESERVE THIS WRITTEN REPORT SUBMITTED IN BEHALF OF THIS OPTION OFF THE 2 PARTIES TO AN AGREEMENT OF ALL LANDS ON PAGES OF THE MAELE 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 PUA

AGREEMENT WRITTEN IN THIS BOOK
In this division, KING KAMEHAMEHA III, signed and sealed the following document, which was taken right from the MAHELE BOOK:

"E ike oukou o na kanaka apau ma keia palapala. O wau o KAMEHAMEHA III, no ka lokomai'kai o Ke'Aku Ke Alii o ko Hawaii nei Pae Aina, ke haowi aku nei au me ko hoolio a me ka hookawale mau loa aku no na Alii a me na kanaka o ko'u Aupuni, a lilo ko'u ku'eana a pau a me ko'u lihi a me ko'u weiwai apau itoko o na aina, eia no ma ko Hawaii Pae Moku, un kakaualua ma na 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 Hule,
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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, KANAKA TO ENGLISH
(E ILE OU KOU) I RECOGNIZE "YOU"
(NA ALII) THIS CHIEF
(NA KANAKA) BY THIS RACE OF PEOPLE
(O KO’U AUPUNI) A PERSON NAME AU PUNI
(O WAO O KAMEHAMEHA III) I HUMBLY AGREE I KAMEHAMEHA III
(KA LOKO HAI KAI) THIS GOODWILL AGREEMENT
(HOOKAAWALE NAULOA) LANDS TO BE DIVIDED FOR EVER
(KOU KULEANA A PAU) THIS PORTIONS OF LANDS ENTIRELY
(KOU LIHI) THE BOUNDARIES OF THE LAND
(A PAU ILOKO) THE INTERIOR OF THE LANDS ALSO
(KO’U WAIWAI) 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 887 548.57 AC
TRACT E-1 69.562 AC
PRES. PROC. NO. 827 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 KAMALU BY HER GUARDIAN HATAIO KEKUANAOA AND IOANA II, IN THE BIG BOOK (THE GREAT MAHELE OF 1848 PALAPALA TANA) OR DEED BY JON J. CHINEN.

THE SOVEREIGN NATIVE KANAKA MAOLI LANDS WERE NEVER A PART OF THE KINGDOM OF HAWAI 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 SOUVIER’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.
EMPIRE: THE LANDS OR AREA OR AUTHORITY OF AN EMPEROR

IN VIEW OF THE AFOREMENTIONED, ONE COULD CONCLUDE THAT IT TAKES AN UNCONQUERED NATION TO CONQUER ANOTHER NATION, AND SINCE KAMEHAMEHA I, DID NOT CONSTITUTE A NATION, THUS, NO OVERTHROW.

AND THEREFORE LOOKING BACK INTO HISTORY KING KAMEHAMEHA FIRST, 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 KAMEHAMEHA I OF WHOM INTERNATIONAL LAW DEFINES AS NOT HAVING THE AUTHORITY OF AN EMPEROR AND THEREFORE NO EMPIRE TO OVERTHROW.

THE EXECUTIVE COUNCIL, RESPONSIBLE AT THAT TIME, WAS MADE UP OF FOUR (4) MEN NAMELY JAMES A. KING, STANFORD B. DOLG - 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 THERE OF.

ACCORDING TO HISTORY, RUMOR 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

HER 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, THUS NO OVERTHROW!!!

AND THEREFORE THE LANDS OF THESE ISLANDS CALLED MA MOGU 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 KAMEHAMEHA I OR THE UNITED STATES OF AMERICA OR ITS CONSPIRATORS.

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 MA MOGU PUNI CALLED HAWAII AS DESCRIBED IN THE NATIVE KANAKA MAOLI MAPS OF 1839 BY KAHALU AND KEPONOMI, THESE TWO MAPS ARE NATIVE.

THE PRESIDENT'S PROCLAMATION'S, GOVERNORS EXECUTIVE ORDERS AND/OR BREAK IN LAND TITLES IN ILLEGAL COURTS ON 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 MOSIAH TO OPUU-KA-HONUA-TO-PUNI

AU PUNI

1 - MIGRATION LEADER OF (200 BC) (NAMED THESE ISLANDS NA MOKU PUNI)
2 - PATRIARCH OF HIS PEOPLE WITH THE (GEOGRAPHY)
3 - ADMINISTRATOR OF THE SOVEREIGN NATIVE KANAKA MAOLI LANDS OF THE POLYNESIAN TRIANGLE

AU PUNI CHIEF OF THE ISLANDS OF NA MOKU PUNI BEFORE KAMEHAMEHA I
KAMEHAMEHA I TOOK THE LANDS BY FORCE WITH GUNS (CHANGE THE NAME TO NA MOKU 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 NAMELE OF 1848

AN OVERVIEW OF AU PUNI

AU PUNI A DESCENTANT OF OPUU KA HONUA, 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 MOKU 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, ABORIGINAL, GENUINE AND TRUE NATIVE OF NA MOKU PUNI TODAY CALLED HAWAII.

AU PUNI HEREIN DECLARES FOR THE RECORD, THAT THE UNITED STATES OF AMERICA AND THE STATE OF HAWAII BY ITS PEOPLE, WITH BREAK IN LAND TITLES AND NAME THE GOV. EX. ORDERS & PRESIDENT'S PROCLAMATION'S BY PRESIDENT OF THE UNITED STATES, PRESIDENT GEORGE BUSH; UNITED STATES SECRETARY OF THE INTERIOR MANUEL LUJAN, JR. WHO HAS APPELLATE POWERS OR AUTHORITY OVER THE COMMISSION OF PATENTS AND HIS OFFICE IN THE BUREAU OF CONVEYANCES 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.

THROUGH "FALSE PRETENCES" 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. N. 2308

AU PUNI HERE IN CLAIMS THE RIGHTS TO ALL SOVEREIGN LANDS BY ESCHEAT, THESE LANDS ARE UNDER USE BY THE UNITED STATES OF AMERICA, AS BOHAN AIR BASE ON THE ISLAND OF KAUA'I, 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 Bohnan Air Base on the island of Kauai and should be returned immediately by its ancient names and land mark boundaries entirely.

The Ahupu‘aa of Kikiaola
The Ili Aina of Puu Ka Pele
The Ahupu‘aa of Hakaheli
The Ahupu‘aa of Wahina people, the Ahupu‘aa of Ko’olau – ‘Hik and ‘Hen.
The Ahupu‘aa of Huleia
The Ahupu‘aa of Waioli

And Ka Moku Puni of Ni‘ihau

Translation – (The Island of Puni called Ni‘ihau)

And therefore by my genealogy by the Puni Line of my grandfather ‘Fumilei’ (1867 to 1928 AD) the au Puni at the time of the over throw of 1883.

From the God of kahe Noa Lani (Abraham 1996 BC)
Descendants to
Kii Namao (Ishmael)
Ka Lani Mehehue (Isaac 1896 BC)
Descendant to
Ki‘i Lau-A-Hano (Jacob 1836 BC) (Ki‘ikau)
Descendant to
Kamiki-Ku (Joseph 1745 BC)
Descendant to
Ko’okoa Kalani (Mannes 1715 BC)
And from the loins of Ephraim – Brother of Mannasseh
Descendants to
Aniani Ku (Lehi – 660 BC)

Descendant to
Aniani Ka Lani (Nephi – 620 BC)
Descendant to
Mosean (200 BC)
Descendant to
Ofu-Ka-Honua (200 BC)
Descendant to
Puni-Au Puni (200 BC)
Descendant to
Punipuna-Au Puni (1711 AD)
Descendant to
Punipuna-Au Puni (1784 AD)
Descendant to
Kelinaua-lele-Au Puni (1809 AD)
Descendant to
Kelinauaule-Au Puni (1828 AD)
Descendant to
Pinehaka Pumilei-Au Puni (1905 AD)
Descendant to
Joseph Pumilei Mahine-Au Puni (1930 AD)
The au Puni of this era (1992 AD).

Relation of Pumilei (End) 1919 to 1928 Hawaiian Temple

Kano (1057 AD) Kauai
Kapule (1079 AD) Kauai
Ewa (1097 AD) Kauai
Kahelie (1117 AD) Kauai
Kamalu (1137 AD) Kauai
Kauko (1151 AD) Kauai
BY MY GENEALOGY


THEREFORE AS AU PUNI I CLAIM ALL OF MY SOVEREIGN, GUARANTEED OF RIGHTS PRIVILEGE, AND IMMUNITIES AS SPelled OUT IN THE CONSTITUTION OF THE UNITED STATES OF AMERICA AND HERE IN DEMAND ALL OF MY RIGHTS, PRIVILEGES AND IMMUNITIES, SO SECURED TO MY 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" HIM FROM HIS CONSTITUTIONAL GUARANTEE OF RIGHTS SECURED TO HIM AS A NATIVE KANAKA MAOLI CHIEF AND PROTECTED BY A "COMPACT OF TRUST" WHERE BY 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 HERE IN GIVEN OF THE FILING OF A PARTICULAR COMMON
LAW LIEBN OF ATTACHMENT AND CAVÉAT WITH MEMORANDUM OF LAW AND RECORDED IN THE BUREAU OF CONVEYANCE IN HONOLULU, HAWAIʻI IN LEIHER 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 SOME UNFORESEEN 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 ET. 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 HAWAIʻI IN NOT MORE THAN NINETY (90) WORKING DAYS AND STARTING FROM THE 27TH DAY OF MARCH 1992 A.D.

THE NATIVE KANAKA MAOLI 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. MANUEL LUJÁN, JR. AND NATIVE KANAKA MAOLI CHIEF AU PUNI OF THIS ERA BY GENEALOGY Mr. JOSEPH PUNIHE MANINI P.O. BOX 201, MAKAKI, HAWAIʻI 96769 AND THE PHONE NUMBER IS 338-1538.

WHERE AS NEGOTIATION OF ALL LANDS OF NA MOUKI PUNI CALLED HAWAIʻI, INCLUDING THE RIGHTS TO THE POLYNESIAN TRIANGLE, THE RIGHTS TO ALL ASSETS OF THE KANAKA MAOLI 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 TRIBAL SOVEREIGNTY OF 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 pono (Translation-Kanaka to English) PREERVE 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,

cc:

[Signature]

P.O. Box 201
Makakii, Hawaii 96769
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.

BRIGID MCBRIDE
P.O. Box 1476
Kapaa, HI 96746
April 2, 1992
April 2, 1992

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

Dear Sir:

Re: Draft Environmental Impact Statement for the Strategic Target System
(February 1992) U.S. Army SOC
Pacific Missile Range Facility-Kaua‘i Test Facility
Wana, Waimea, Kaua‘i, Hawai‘i

Thank you for the opportunity to review and comment on the Draft
Environmental Impact Statement (DEIS) for the Strategic Target System,

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 HHA 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
HHA 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 56 days a year. This appears to be in contradiction to the
information contained in the Zest 1 & 2 Environmental Assessment
published on May 28, 1991 which states "[beach closure days for this
schedule is a maximum of 238 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 details that "the maximum ESRO restriction denies
the public access to only 7.4 percent (3,215 feet) of the 8 miles of
available beach along PMRF and only 2 percent of the 22 miles of
available public beach along western Kaua‘i. It should be remembered
that beach activities are the primary recreational activity of both the
general public and the tourist population of Kaua‘i. The 22 miles of
public beach along Kaua‘i’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
beach areas, should be discussed.

The proposed mitigation concerning the endangered adder’s tongue fern
(Ophioglossum concinnum) is also of concern to HHA. 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 effect of the hydrogen sulfide emissions on stratospheric ozone. The DEIS offers no mitigation for hydrogen sulfide emissions, stating on page 4-21 that "Programmatic 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 Time magazine "The Ozone Vanishes" states that the Montreal Protocol, which was created in 1987, called for a 50 percent reduction in chlorofluorocarbon (CFC) production by 1999. 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. Paikinman
Administrator

cc: Clayton Hee, Chairperson
OMA Board of Trustees

Deputy Commander, U.S.A.
CSSD-XX-V (D. R. Gallien)
P.O. Box 1500
Huntsville, Al. 35807-3807

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.

Chloe Ellenburg, Secretary/treasurer
American Legion Auxiliary
Unit #2
Maenican Legion Auxiliary, Hawaii
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 the powers that be 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,

KENNY WILSON
KIKI'AULA LAND COMPANY, LIMITED

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 nuclear-tipped missile 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 in their launch tubes are presumably at sea. Well, Murphy's law says that: "if something could go wrong (usually meaning something really bad), it must certainly will!" That is not very comforting, if Murphy decides it's possible to accidentally launch a sleeping nuclear missile.

Now, once that missile has been launched, there is virtually no way it can be stopped. So, what if it were targeted for, say, Pearl Harbor and Hickam Air Force Base? If it had multiple warheads, some 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 thinking and talking about the possible "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&D is of vital interest to all of us for future protection against the Murphys that are lurking out there. The magnitude of the environmental impact at PMRF, of a measly count of four test launches a year for ten years is absolutely minuscule compared with one nuclear detonation, anywhere in the world. The nuclear fallout is a global macro-ecological impact.

If you don't think that incident-prone Murphy is of concern, then think about the current instability of the sovereign states 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&D homework.

Come on, folks, let's support a good cause. I love Kauai just like you do. I was born and grew up in Wainee Town and we had our picnics at Nohili 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
Kiki'aula Land Co., Ltd.

CC: Senator Daniel Inouye
The Garden Island Newspaper

---

NATIVE HAWAIIAN ADVISORY COUNCIL
A HAWAII CORPORATION
1088 Bishop Street, Suite 1204, Honolulu, Hawaii 96813
Telephone (808) 523-1445
Facsimile (808) 599-4360

1992 April 9

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

RE: Draft EIS for the Strategic Target System Program at the Kauai Test Facility on the Pacific Missile Range Facility

COMMENTS ON DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM

1. Cumulative Impact

The proposed action would just be the latest in a long string of actions which demonstrate mismanagement of Hawaiian lands and disrespect for Hawaiian rights in west Kauai. The DEIS fails to address the cumulative impacts of land alienation and abuse which would be aggravated by the proposed project.

The DEIS fails to recognize the ceded lands status of portions of the Pacific Missile Range and adjacent state lands. In conjunction with the Hawaiian Home Lands at Kekaha, these ceded lands are the foundation of Hawaiian land and natural resource entitlements in west Kauai. Their future as centers of Hawaiian efforts would be impacted by the proposed project, but these impacts are not identified or discussed in the DEIS.

EXAMPLES OF CURRENT IMPACTS

A. According to state agency reports, 14,558 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-4222). 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 statewide 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 kuleana 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 Mana and Waimea [GL (D) 8-4596, 4597, 3952].

D. The U.S. Army does not pay any rent for lease of 8.45 acres of suspected ceded lands at Kokee [GL (D) 8-3977].

E. The US Navy leases 23 acres of suspected ceded lands at the Pacific Missile Range.

F. The remainder of the PMR 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 Kekaha 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 Kekaha area. However, the study is limited in scope, and no action is being contemplated to relieve the stress inflicted on the aquifer by overpumping.

WR72

Henry F. Cooper, Director
Strategic Defense Initiative Organization
LSD-9-EN-V
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Sir,

Do not test the Star program on 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 turtle, the Hawaiian monk seal and the humpback whale 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 40 missiles during the next ten years will frighten and drive these animals away, to other less-safe beaches, where the animals are more vulnerable to harm and 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 waste materials that would be released into the air, water and earth from the missile launching designated this land 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 unspoilt beauty of its beaches, verdant valleys, dramatic coastline, abundant marinelife and quiet lifestyle. Launching 40 missiles during the next 10 years will contaminate the ocean with debris and chemicals discharged from the missiles, harming the marine life and damaging Kauai's fragile ecosystem. The movement of hazardous materials/fuels on the roads, on boats and on Kauai's airports could result in a catastrophe (like the Exxon Valdez, or the murdered missile that exploded in its silo in Arkansas recently). Launching missiles will drive tourists away and ruin Kauai's economy.

Thank you for your attention. Sincerely,

Helen M. Mahi
Helen M. Mahi
1675-2 Makaul Road
Kauai, HI 96756

cc. Mayor Joana Yabumoto
Senator Daniel Inouye
Senator Daniel Akaka
Representative Patsy Mink
Representative Neil Abercrombie
Editor, Kauai Times
Mr. Randy Gallien, Chairman  
DEIS Team  
April 4, 1992

KAUAI GUARDIANS  
Education/Research

April 4, 1992

Mr. Randy Gallien, Chairman  
Strategic Target System Environmental Impact Statement Team  
U.S. Army Strategic Defense Command, CSDS-EN-V  
P.O. Box 1500  
Huntsville, Alabama 35807-3801  

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 provides 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 EIS? 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 616, New York, N.Y. 10012 Tele (212) 674-7790  
FAX (212) 674-6199

Box 786, HANALEI, KAUAI, HAWAII 96714  
(808) 826-7787  
FAX (808) 826-7111  
(Not for Profit)

Mr. Randy Gallien, Chairman  
DEIS Team  
April 4, 1992

* Professor Ann Fagan Ginger, P.O. Box 673, Berkeley, CA 94704  
Tele (415) 848-0799  
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, Paleologus 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 it's 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 1985 Arms Control Impact Statement (96th Congress, 2nd Session 294 (1984) and the U.S. Ambassador Gerard Smith's Statement to the Senate Armed Services Committee, July 18, 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-BOARD MODEL OR A PROTOTYPE".

We assume that you have text copy of the ABM Treaty (23 U.S.T. 3434, T.I.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-ABM COMPONENTS FOR ABM 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-ABM COMPONENTS FOR ABM 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.6547, 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 be denied 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 1988, 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: (608) 822-7787

Sincerely,
Robert Macknowski  
President

cc: Garden Island Newspaper, Kauai Times Newspaper, Senator Inouye, Senator Reed, Mayor Yukimura, Lawyers committee On Nuclear Policy, Professor Ann Pagan Ginger

TO THE U.S. ARMY AND S.D.I.  
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, tendering 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 maole, divest your hold upon us and leave go your exploitative occupation of a sovereign nation held wrongfully in bondage and thralldom.

Kalanikumai kumaka na ali'i hanohano.

witness my hand:

[Signature]

aka/ c.e. schimmelfennig III
U.S. ARMY E.I.S.
S.D.I. AT PMRF

TEXT OF CITIZEN STATEMENT
March 24th, 1992

I am known as Zachariah Branch Harmony. I am a ke Ike o ka aina, a part-hawaiian child of the land, born Charles Edwin Kalanikumai Ku'umaka na ali'i hanohano Schimmelfennig III. I returned home to Kaua'i three years ago after 28 years as 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, Carl Makauiuli o kalanikumai hanohano Schimmelfennig, was the great-grandson of Nakepa'ahu Kaliapoloahilani, whose grandfather was Kaliapoloahilani. My grandmother, Elizabeth Brandt Schimmelfennig, was the granddaughter of Isaac Kapuni'ali Hart, whose mother was Kahomaunui.

My piko is planted in this land, at Koloa Landing, at my families former taro patch. I can count many of Kaua'i's o'ohana 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 shots. 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 systematized, 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'au, our intestines, where our feelings are. Hawaiians are big on 'gut level' feelings, they listen to them. That is why the hawaiian word for enlightenment is na'au ao, and ignorance is na'au po.

"Gut level" - these SBI plans are not consistent with the living spirit of this land- they can destroy this land. Respect the traditions, respect these 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 SBI tests here- say No Action as the alternative to Star Wars!

Mahalo... "Na Mea Ke La O Ke Aina E Ke Pane The Life-breath of the land will be restored when control is returned to kanaka ma'ohi, the rightful heirs."

Kalanikumai Kumaka na ali'i hanohano
aka: Zachariah Branch Harmony

[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.

PMRF has been employing people without NUCAR rockets, and will continue to. To use unemployment compensation to generate support is an insult to the people of Hawaii.

The war makers have tried to the Persian Gulf, tried to make the beautiful Oceania around the world. This must stop. Do not bring your war machines to our peaceful island. The Islands of the Pacific have steadfast long enough from destructive missile programs. Stop!

Name: Josh Addison
Address: P.O. Box 1481 Honolulu, HI 96824

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 35807-3801

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.

My name is Leslie Steinmair. As a Kauaian, Provincial, Educator, Action Group member, the people of Kauai come from a higher vision. Join together to preserve our Planet - Kauai is my home. The few places that still have clean air and water. The aloha spirit must not be tampered with. I urge people to not launch these missiles in this sacred land.

It is not a matter of losing jobs. It is a matter of losing our homes.

Name: Leslie Steinmaier
Address: PO Box 1409, Lihue, HI 96766

Reference: Add comments from other people of Kauai or do not launch the missiles.
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 my home, which is the planet Earth. Thank you.

Name: [Redacted]
Address: PO BOX 6255 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 1500
Huntsville, Alabama 35807-3601

FRED SNYDER
3473 LAHILOA 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: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3601
DRAFT ENVIRONMENTAL IMPACT STATEMENT
STRATEGIC TARGET SYSTEM

With whom is your heart? Is it a heart of prayer for God's glory, or is it for the personal benefit of the individual or group? Is it a heart that seeks to accomplish God's will, or is it a heart that is content with personal gain? Is it a heart that is focused on the present moment, or is it a heart that looks to the future with hope and anticipation?

To all those who pray, amen.
April 4, 1992

Received by
[Signature]
[Title]
[Department]
[Company]

Please hand this form in as soon as possible.
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 3437
Princeville, 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: GERA 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

[Signature]
It is not programs like the proposed SDI that threaten our island, it’s the people on the island. If all the development had been stopped in the 1960’s Kauai would not have the traffic problem that exists today. Same goes for the boating problems, and the other negative impact of activities on the North Shore.

In conclusion I approve of the SDI project and the activities of the PMRF. I also applaud their efforts at trying to be a vital part of our island economically, socially, and environmentally. I am sufficiently satisfied that the Draft EIS provides the assurances that our island safe from the hazards brought to light by various activist organizations and individuals on Kauai.
10 APRIL 1972
KOLOA, KAUII , HAWAI

DEPUTY COMMANDER U.S.A.
CSSD - ENV (D. R. Gallien)
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 Kauai. Kill the Star Wars program and you will inevitably eliminate the all too precious jobs which PMRF provides the many people of Kauai. 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 Kauai 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 MISSILE RANGE FACILITY
BARBARA SANDS
KEKAHA, KAUAI, HAWAI 96752 -0128

William D. Barringer
AMERICAN LEGION AUXILIARY
HI - KAUII UNIT 2
3822D PMR RD.
KOLOA, HI. 96756
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'm very concerned about the future of Kauai. The island is already being hit by the impact of people and cars and their by-products or waste. The Star Wars program will only compound these problems much more. I am very much opposed to Star Wars on Kauai. Putting rockets that are '96 years old from Vandenberg, on the island of Kauai is a very serious problem. I also oppose the hazardous chemicals that a Star Wars program would bring. Please stop it!

Name: Barry Manfred
Address: Peleliu Avenue, H1 96-103

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

[Handwritten section]

Hey, you know this is about the 20th letter I have written regarding your plans to test Polaris missiles on my Homeland island Kauai. Once again I'm 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 inconclusive. If this is an indication of how the program will be implemented then there is certainly 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 these toxic chemicals off of the Garden Island and for that matter please figure out how to recycle all your programs because the time for peace is now!

Sincerely,

[Handwritten signature]

Laine Mcintosh
P.O. Box 445
Kapaa, HI 96746
My name is Nani Rogers and I am a Kanaka maoli. Kaua'i is the only place I can call home. I was raised to respect and to 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 compelled 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 Ehewe 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, sometime 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 MĀNAʻA, KAUAʻI

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.

Millani B. Tsak; Kū‘ūina
Ka Lāhui Hawai‘i

JAN 11 1992
Date

Resolution #91-11-2
INSENSITIVE TOWARDS PACIFIC CULTURE

It is culturally inappropriate to launch from Nohill 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 depended 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.

1

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 114B2, 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 according to many records 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 propelant 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 wastes 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 practise 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 Islands economy on US missile tests, it creates a warzone on the free high seas and endangers our common future generation.

Sincerely,

Martin Gotje
My name is Mrs. Lei Kalama, a native Hawaiian on the Dept. of Hawaiian Homelands (DHHL) Waiting List and President of the Aboriginal Native Hawaiian Association, Mokupu O Kaua‘I A Me Niihau. I’d like to ask everyone here tonight to forgive me if I hurt anyone’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 home owners and pay our rent to our own mortgage.

Our parents not rich enough to let us $10 to $20 thousand dollars to make a down payment to buy our own home. Our upbringing was so different from you who are so fortunate to own your own homes. So we have to rely on DHHL 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 DHHL.

Some of us are on Medicaid, but so what. They have their reasons. Who are we to say “go work”, when we don’t know why they’re 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 mis-using Medicaid, their conscience will tell them so. But I work hard to help, and that’s all I need to know.

My family live in Hanapepe. I work in Waima’a. My family consist of my husband and I as we have no children. I consider myself an auntie to any other child or young adult I come in contact with, because of their fresh young lives ahead of them. I want to help them live a fruitful life and give them hope for their future. So I want to help them avoid unnecessary waste of their time. If I accomplish this tonight, then my work upon this earth will never be in vain.

(End of testimony)

Page 2

Star Wars Public Hearing
Written Testimony
Kauai War Memorial Convention Hall
March 25, 1992

June 1990 I testified at Kekaha Neighborhood Center Star Wars Public Hearing. Commander McFfeely 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 to be awarded land above Poipu Hale. That location is where the available lands are for DHHL West Kauai and Niihau eligible native Hawaiians. Way, way inside. We don’t want to live at Anahulu 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 that should have landed near or on Kauai Rock, landed near or on Niihau. My friend was there on Niihau at the time so I believe him.

A few days or a week after that testimony, those who are for the Star Wars program went to testify before the County Council that Star Wars program should be permitted to come here.

So I called DHHL and expressed to them this Star Wars issue to them, and suggested they investigate available lands in Waima’a, Hanapepe, Kalaheo and as far as I know many, just so the employees at PMRF won’t be so fearful of losing their jobs. I expressed to DHHL that it is not our intention to make trouble, we have to live together with each other. And some and DHHL are still keeping in touch.

If the employees at PMRF fear losing their jobs, be assured there will be a rippling effect in Waima’a. And that’s me too. I love my job. For months I worked 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 18, 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 leading directly to closure of PMRF would be overstated. The future of STAR wars and the future of PMRF are separate issues.”

If so many employees fear losing their jobs, then Commander McFfeely and Commander Mullins were lying to the newspapers when they say STARs have no effect on PMRF.
That's how I received the information, that no one was going to lose their jobs! Apparently, the Commanders said nothing of jobs, but the information that closure of PMRF says to me, my friends will still work at PMRF because PMRF is not going to close at this time, because of Star Wars.

I believe the Commanders. So with my Aloha Spirit, if that's what they said, I aloha'd them and took them at their word. If they lied, see how hard the next time they tell me something, I not going believe them. I not going believe Senator Inouye's Press Secretary in Washington too. Some when the Army has statistics showing not too much missile mistakes, but my friend saw that missile mistake with his own eyes, so to this day, hard to believe the Army or Navy. That incident is so well imprinted in the minds of those young children at the time. So this day, they can still remember the effect of that missile mistake. It's like being raped as a child and still feel the hurt as an adult. So we live by the words you tell, and we give our aloha to Commanders McPeek and Mullins, Senator Inouye's Press Secretary. We are careful because it's very hard to give our aloha away 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 fact and which story is opinion?

A question was asked last night that bothered me to this moment: WHAT DO YOU HAVE TO OFFER US?

This question referred to we who are opposed to Star Wars. If in case employees lost their jobs, what have we to offer the employees?

HOW ABOUT GOING HOME TO WHERE YOU WERE BORN?

We on the DHHL Waiting List west Kauai and Niihau had every intention to work along side the Homesteaders who have their home in Kekaha and Anahola. But when we were told we cannot vote because we are not leesees, we can come and listen, maybe have voice, then take this information back to our membership, we had no choice but to separate ourselves into that we could make a difference with our vote. Homesteaders also said when they were on the Waiting List like us, they had to wait 20 years until they got awarded lands. Can you Homesteaders honestly ask yourselves, do we have 10, 20, 30 years to wait like you did? Are you asking, no TELLING we adults, our children, our young adults they have to wait because you Homesteaders had to wait? Is time an element we can play around with anymore? If I ever become a Homesteader like you, I will never stay in my home and make Waiting List eligible, native Hawaiian like you. I wait because of the attitudes you have toward us. You can be sure, I'll be out there helping those on the Waiting List as we now are doing to accomplish the awarding of DHHL lands. This Hawaii is where we were born too, this is where we belong.
Why should we allow a piece of steel metal take precedence over our human native Hawaiians born in Hawaii. Don't you know God created this earth for the habitation of His children, not the habitation of steel metal like that missile? The Congress of the United States and President Bush is withholding funds to DHHL, who can develop lands and enable native Hawaiians to return to their lands. BUT THE MISSILE MORE IMPORTANT?

WHAT DO YOU HAVE TO OFFER US?

How about more than 3 minutes to hear a full testimony as this one?

Why don't you help us tell President Bush don't be stingy, release the funds to DHHL for the native Hawaiian people and all other natives that have been abused in their own homeland by the United States Government?

Why don't you help us tell Congress and the Dept. of Interior if DHHL is discriminatory, they inherited the deeds of previous administrations that caused this discrimination, either they go forward and fund this discrimination practice or they discontinuing it and get all the Homesteaders off the land so that we ALL have land. My great OHANA of native Hawaiians and myself end up homeless in our own land of Hawaii.

Why don't you tell those Homesteaders that we have our own mouth to talk for ourselves and just because you are a leaser, doesn't mean you have some kind of power over us. We vote is important, we are important, we have native Hawaiian blood running through our veins too.

Captain Mullins, you are a nice man. Your statement however has no guarantee as felt by employees who fear losing their jobs. Missiles making no mistakes are not a guarantee. DHHL funding to Kauai and Nihau Waiting List Applicants is not a guarantee. SOON. You know what is guaranteed? Dying and Putting the Star Wars Program That Important Missile on PEAR.

The day an unfriendly missile drop down on Kauai or Nihau, Kwajalein, Atoll, Ebeye Island, Marshall Islands, would definitely put an end to all of our miseries, trials and tribulations. And then can I express to my Father in Heaven, "I GAVE IT MY BEST SHOT!"

I submit this testimony to the world in the name of Jesus Christ, Amen.

Respectfully submitted,

Mrs. Lei Kalamaunau

President

April 10, 1992

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 to Kwajalein so apparently 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 II 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 encrypted 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
2505 Correa Road
Honolulu, Hawaii 96822
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 approve of missile testing on this island.

I question the number of jobs to be gained here. I think they will be mostly skilled (as should be!) and where are these people on this island?

Name: Shera Kuroishi
Address: 2781 Huna, Lilue, Hi, 96766

P.O. Box 165
P.O.H., Hi, 96766
April 11, 1992

Dear Sirs:

I do not support "STAR WARS" testing but I do support PMRF.

Sincerely,

Flore Minick
To whom it may concern,
I am for P.M.E. however, I am against Star Wars.

4/10/92

P.S. M.O.E.
Ronald M. Oda
Box 1776
Lihue 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 fully opposed to STARS on Kauai. I have read the draft CE, and find a 97% accident risk per launch very unacceptable. The risk to this island on an ecological and humanitarian level due to 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 McAllister-Cohen
Address: PO 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: CSD-EN-V (Dr. 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 have read the Draft EIS and I find the accident risk per launch unacceptable.

As a resident of Kauai for 15 years and mother of 2 small children, I am appalled that it is being considered on an island of this population.

-Sally Freich
607 Moanalani Pl.
Kauai, Hi 96746

Name: Sally Freich
Address: 607 Moanalani Pl. Kauai, Hi 96746

Please hand this form in or mail by April 13, 1992 to: Deputy Commander U.S. Army Strategic Defense Command Attention: CSD-EN-V (Dr. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801
Table 2-3 "Summary of Environmental Impacts" on pp 2-39 & 40 in the Draft EIS for the Strategic Target System is any quantitative and appears to be intentionally vague. The assumption that there are "as significant impacts... to Geology & Soils, Water Resources, Air Quality, Biological Resources, Critical Resources, Land Use, Visual Resources, Noise, Harassment/Prejudice & Unfair Public Health & Safety, Infrastructure and Terrorism" is obviously a smokescreen.

1. The EIS on the planning of the U.S. Army Strategic Defense Command, and does not appear to be based on any quantification of impact, particularly in cases of an Accident. The lack of quantification of impact allows the intelligence of impact and people on the island. Quantification of impact allows the comparison of a 1988 decision for each environmental program.

The only specific quantification that we can attach specifically to this document is the claimed overall system reliability of 0.95 for the programs that are 0.95 or 0.99.

2. The only other data that provides the probability of success (0.95) multiply by the 40% of the program. This means there is a cumulative 95% probability of at least one accident occurring over the course of the program. I believe this to be a misleading level of one to the island of Kauai, based on any reasonable physical criteria.

Name: Yvette Brundel
Address: 3205 Lima Road
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.E. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

There's nothing wrong with this rocket...
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. Faleti
171 Ahi Ahi Rd.
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 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 Jo 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 AIA RD
KAPAA, KAUAI, HI
96746

Iuja Sivadas
P. O. BOX 607
HANAPEPE
HAWAII 96716

Tue, Apr 7, 1992

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,

Iaja Sivadas
Iaja Sivadas
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,

Kimberly Hopkins
5656 Lokelani St.
Kapaa, HI 96746

---

April 7, 1992

To:
Senator Daniel Inouye &
Mr. Randy Gallien

I am expressing my concerns about the STARS issue on Kauai. I am against the proposal. While I am aware that our environment is already polluted with everyday emissions, exhaust, and other pollutants, I feel that the emissions from the STARS rocket launch will add to this problem. I do not want beautiful Kauai, my home for 36 years, further damaged or polluted. Please take into consideration the feelings and wishes of most of the population on Kauai, to keep it as it is.

Sincerely,

Rene Munakak
Rene Munakak
P.O. Box 496
Haena, HI 96716
Dear President Bush: 4-92

Please be advised as a small business man in the contractor trade on the island of Kauai, I am totally against the launching of missiles in this small island of 3000 people. According to all the studies and reports, it has come to my attention that any launching of missiles is mislead as well as dangerous to all people concerned with the environment and truly is disgusting to any and all people on the island and in the world. Due to the changes world order I feel that the money appropriated for this unwise cause could be better spent in improving our world environment.

Thank you for your immediate attention to this matter.

Ralph Rabue
3667 Anane Rd
Hauoli, Kauai Hawaii

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.

April 4, 1992

Dear Mr. Gallien,

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 an 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,

Susan Galley

Name: Susan Galley
Address: P.O Box 737, Kiamau, HI 96754

Please hand this form in or mail by April 15, 1992 to
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35801-1500
In this time we established our numeracy one priority as survival is a matter with national exposure we can never indulge our in prosperity in any lifetime we could dream in darkness.

I do not oppose the STARS project as a principle, but I do oppose it's success which will make the sprawling DMIRF. This needs to be restrictive. Resource management would stand at the chance to enquire time deducted and our nation's safety and good health.

Thank you,

Tim Andrews
Box 122
Hawaii 96774

Attention Senator Inouye and Mr. Gallien,
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 DMRI our dissent is solely aimed at the STARS 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".

Address: James + Debbie Winkler, P.O. Box 630, Kilauea, Kauai, 96734

Please hand this form in or mail by April 15, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-W (D.R. Gallien)
P.O. Box 1900
Huntsville, Alabama 35807-3801
To whom it may concern,

As a registered voter in the county of Kauai, I am expressing my opposition to the testing of the "STARS" missile program at Barking Sands. It is my opinion that this program is no longer necessary or feasible except to perpetuate plans which the military complex seems unwilling to rescind. If such testing is deemed necessary, I feel that there must be complete; less vulnerable to possible environmental and safety problems than our island of Kauai.

Sincerely,

[Signature]

P.O. BOX 3417
Lihue, HI 96766

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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, nor on this island, which is my home.

Sincerely,

[Signature]

Deborah Melendez
P.O. BOX 3
KAILUA, HI 96734
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]

Marchelle Deukess
PO Box 69
Kapaa, HI 96746

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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 launching at PMRF. 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 Hueneman
1420 Kanepoonui Rd
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?

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,

Teri Kolder

P.O. Box 629
Kapaa 96746
Kauai, Hawaii

April 6, 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

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 Poipu 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 hazard safety area is adequate.

Fourth, the 560 kilograms of froom 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 atoll.

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,

Mary Eiser

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-
Gary Gulliksen
P.O. Box 853
Lawai, HI
96765
4/6/92

Daniel Inouye and Randy Gallien:

Dear sirs, this is to inform you that I am against any
and all STARS missile launches off the island of Kauai (or
anywhere for that matter). Thank-you.

Sincerely,
Jaime Byrd
P.O. Box 853
Lawai, HI 96765

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. Mokuli 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 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,
Kalei K. Kanahele
Kauai, K. Kauai - Hawaii
6951 Lekai Pl.
Kapaa, HI 96756

I would like to know why "mainland" missile testing
battles are surrounded by 100 miles of fenced
land up no one allowed inside + P.R.M., where there
"old" missiles with likely age problems will be blown
off, about a town, "Third-world" 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:

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. Nohili 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 Ebeeye.

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 fictitious threats.

Sincerely,

Alison L. Duvv
P.O. Box 726
Haiku, HI 96714

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. Nohili 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 Ebeeye.

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,

Joseph Thompson
P.O. Box 3234
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.

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. Nohili 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 Ebone.

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 no P.M.R.F. employee may make a contentious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Valerie Williams

Valerie Williams
4796 Peleke Road
Kapa'a, HI 96746-1851

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 TOTALLY AGAINST STAR WARS

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: CSG-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
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. I do not think in any way shape or form this system should be initiated. One several points, my concern is concentrated:

(a) The military should not take unnecessary chances with Hawaiian lands or Adak property.
(b) The idea or any "STARS" program is a waste of money by the point and won't work in any future scenario.
(c) As an avid user of the ocean for recreations purposes, the closing of the large area for testing purposes for so long of time for so many times causes major distress.

In closing, don't shoot transit or any type of ocean-burning rockets on Kauai or any where else. Leave our island on a small scale (as far as the military). PMRF will be okay if you don't do it. It is not worth to take jobs away. And again, nobody wants to have this area for their backyard, think of it as your own backyard. Be like see the point.

Mahalo,
Conrad Makita

200 Box 7202
Hama Kai, HI 96714 (808) 876-6231

Sir, Don Ihoo &
The Sandy Heiho:

I am against launchers from Barking Sands to Kauai even atoll.
I do support local jobs for people working at PMRF. I am opposed to the STARS 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 the lack of trust is justified.

Sincerely,

Henry L. Nelson

P.S. I never fail to vote. I follow the issue.
Dear Senator Inouye,

Having read and digested as much information regarding the proposed SDI program on Kauai as we could lay our hands on, we are categorically opposed to the plan. In fact, given the current world situation and recent disclosures about the entire SDI project, we are opposed to its existence.

15,000 Marshall Islanders relocated to a US base island!

Billions, hundreds of billions, trillions (?) of dollars spent on a program of dubious need or effectiveness!

While people are ill-educated, undefendable, without security!

If those in power can't see the need to use these funds for the social good, at least leave one home in peace. Why jeopardize Kauai and make it a target? We will be forced to choose between starving and exposing ourselves and our children to potential psychological and physical harm, and leaving the island home 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 Schuylkill Nuclear Power Plant in New York.

Yours in hope, Bruce and Cyndee Fechinger
I write to you in continued support of my opposition to the proposed STARS missile launches at Barking Sands, Kauai. As I noted in earlier correspondence with Senator Inouye, the choice of this site for these tests is inappropriate and potentially dangerous. I have long believed that this particular site should not be placed at such risk for these tests.

I have also stated in earlier correspondence to Senator Inouye that a strong and capable military defense is essential to the integrity of our nation. However, this commendable object does not seem to suggest that we should use questionable means to achieve it. As is suggested in the enclosed Newsweek article (3/23/92), a “Safety Net Full of Holes,” the SDIO “knowingly masked the program’s failures and overstated its progress just to keep the money rolling.” Obviously, it would be unjustified to imply from this article that the STARS/PHRF program is itself a fraudulent enterprise, but it should be noted that their funding comes from the larger national SDIO budget. It seems obvious to me that at least a management audit of SDIO is appropriate at this time, and further that a suspension of STARS/PHRF is justified until such time as the SDIO affairs have been examined.

One of the important considerations about the STARS/PHRF issue that has been circulating through our Island community is that essential jobs are at stake. I agree that the suspension of STARS/PHRF will be economically disadvantageous to our economy, but I think that the negative impacts of not going ahead with STARS/PHRF have been overstated, especially since the larger debate over our defense roles in the present and future is in such a flux due to the dismantling of the USSR, the end of the Cold War and the coming more restrictive budgetary allocations as the budget deficit consumes more and more of our fiscal resources. This is a time for greater caution. This is a time of careful reflection. And, this is a time for carefully weighing the costs and benefits of STARS. I and many others argue that, in sum, the costs of STARS/PHRF clearly outweigh its benefits.

Thank you for admitting my opinions into your difficult deliberations; I believe that they are well founded. Please include the Newsweek article as part of my account, and if possible I would like physicist Alain Souchet’s related New York Times op-ed statement to be added for your consideration.

Sincerely,
Dana Bekeart
Mr. Dana Bekeart
A Son of Kauai
Neutral-Particle Beam Weapon
A $700 million project, scrapped because of inaccuracies, failed to recognize decoys or to reacquire power levels...
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,

Sofia Duran

P.O. Box 124
Kapa'a, 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,

Debra Rawlins

4330 Lambona St.
Lihue, Kauai 96766
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. Nohill 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 Ebaa.

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,

Alison L. Dunn
P.O. Box 76
Kauai, HI 96741

April 6, 1992

P.O. Box 3551
Princeville, HI 96722

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. Graff
Aloha,

My name is Melasa Grandy and I'm 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 Nihihan. Starwars... sounds like a game. I am taught to recycle paper, cans, glass, to not use spray cans, styrofoam, to put litter in its place and to keep our beaches clean...... are this a game or are we really dedicated to protecting our environment and lifestyle. 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 grandchild 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 ozone...
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 of a place that so many of us have run away from.

What makes me angry is our tax money will be paying for Star War. 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 money to get medical insurance. I was shocked to here America has one of the highest infant death rates. I want my money to 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 the 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 afraid 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, Kapaa, HI 96746
19 March 1992

Miss Elizabeth Freeman
c/o Responsible Citizen for Responsible Government
P. O. Box 1440
Hanalei, 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/EDX missiles program. I would like to express on behalf of some Kauai landowners and Mr. Handel Dribo 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 continue to realize the kind of action that US government has practiced on small people in the Pacific. Your people have brought Christianity to our islands and we accept the faith. Many of us don't understand why our homes 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 would bless you in this struggle.

Sincerely,

Julian Rimson

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EQUATORIAL FILMS

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 Bikinians were told that the atomic bomb was being tested on their island, "for the good of mankind," and were led 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 U.S. Army proposes to expand the testing 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)988-3548
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.
KIKO, HAWAII 96756

RE: PMRF/"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 CAN NOT 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 HUMAN KIND. WE HAVE FAMILIES ON THE STREETS, WE HAVE PEOPLE GOING HUNGRY, WE HAVE LESS AND LESS OF OUR POPULACE 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 COUNTRY POSSIBLE HOSTILE ACT VIA A INTERCONTINENTAL BALLISTIC MISSILE.

ALOHA,
FRED L. JAGER
March 24, 1992

Colonel Robert D. Hammond
U.S. Army Strategic Defense Command
PO Box 9050
Huntsville, Alabama 35807

To General Hammond, Senator S. Inoue (Kwajalein's son) and/or whoever will hear & know & put energy into stopping the SDI madness.

The injustices which have been perpetuated on the people of the island of Kwajalein in the name of Star Wars defense is reason alone to stop 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 Kwajalein in the name of this ridiculously expensive and ineffective system. I am embarrassed to be an American because of this. Shame of God's Rath will come down on you personally General Hammond for perpetuating this program of shooting missiles into the skies for our use. SDI is a waste of resources. SDI threatening the environment. The essence of life on Earth is the planet. STOP THE MADNESS. I do not feel I support the SDI program at PMRF on Kauai. Use ALABAMA as a launching pad or target as you have done to the people of Kwajalein. You move out of your home so the Army can use it as a target? STAY OUT OF THE PACIFIC. AND GET REAL. P.Leonard Loy

April 4, 1992

General Hammond
U.S. Army Strategic Defense Command
Huntsville, Alabama

Sir:

I am a war veteran & tax paying US citizen. The SDI program is outrageously wasteful, harmful to the environment & illegal in general & it's existence perpetuates human injustices.

This program must be stopped!

Keep the SDI Program out of Kauai.

I do not want SDI missiles launched from PMRF on Kauai.

Richard Loy
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]

Drake Smith
P.O. Box 128
Kapaa, HI 96746

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March 24, 1992

Stanley E. Butler
Save the Whales International
P.O. Box 610
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 testing 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 implants 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 fortunate, 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 safely with such vast contradictions. On their resolution depends the survival of us all."

Sincerely,

[Signature]

Stanley E. Butler
Save the Whales International
The proposed SDE program at PMRF is a sad statement of how the military treats people that live around it's bases. It is frightening to me that the Pentagon can try to bereave 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 outmoded, cold war projects that take us backwards instead of forward. We should choose peace and a clean environment not war and destruction of our planet.

I encourage the U.S. Army to abandon it's plans for SDE testing on Kauai.

Dellie 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 us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

A do not approve of missile testing on Kauai

We are presently going through serious discussions, trying to come to conclusions concerning both using the Hanalei River, Environmental impact is our chief concern. Can you begin to imagine what the environmental impact of a catastrophe launch would be here on Kauai?

If this island can not deal with a few fatalities - what in the world can I do with missiles?

Please give our beautiful island a little more love & constestation.

Name: Richard F. Garcia
Address: 5311 Honolulu, 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. 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, Pahoa, Hawaii 96776

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 it is 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 unpatriotic 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 passed 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 intercepter 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 aren’t 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, Puhu, HI 96796

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. Bean
Mar. 6, '92
6 April 1992

The Deputy Commander,
US Army Strategic Defense Command,
CSCD-ENL [J.R. Gallien],
P O Box 1500,
Huntsville,
AL 35807 - 3801,
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 (STARS) 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. Also, 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-saver for the United States. Is this not a very U.S. oriented scenario?

We of the Pacific invite you to extend your vision beyond your shores. These rockets will be aimed towards Kwajalein Atoll in the Marshall Islands where they will test missile detection equipment. Kwajalein 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 is Ebeye, 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 Kwajalein. This is all as it is so that the US Army testing programme may continue.

The Marshall Islands, Sir, consist of two parallel chains of atolls. The eastern chain is called Ralik, meaning Sunrise and the western one is called Ralik or Sunsat. This 800 mile chain does sound like the original Pacific paradise, does it not?

However, Sir, permit me to briefly recall the occupancy 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 test bombings in the late 1940s and 1950s. Its 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.
Maluap Atoll - A Japanese base in World War II with a Japanese troop ship submerged in its lagoon off Tarwa 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 Kwajalein 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 organisation made up of some 31 member Churches, National Councils of Churches and Bishops’ Conferences. It speaks for 90 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 in this matter.

Yours faithfully,

F. J. Salasamon
Secretary for Justice, Peace and Development
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 for the proposed STARS project. The findings I like is very normal. I think the task for STARS would be very useful to the island.

Thank you.

Name: David J. Menaker
Address: P.O. Box 352

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 am for the proposal to dispose of 9,000 tons of hazardous material in the Marshall Islands. We have the authority to say a growing population can live on such a small land area. The U.S. is taking away the Marshall Islands. They polluted their land and the minds of such simple loving human beings.

How can the U.S. say it is alright to sacrifice naive native people for the betterment of society? The U.S. a great good to greater people for militarism and totalitarianism. I do not see the future of the Marshall Islands not important? How important are nuclear weapons in our country? Has the right to disregard the lives of others for the American way of life to take their people as

Name: Kanohe为导向
Address: P.O. Box 352, 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
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 seems to me that we are in the position
of opportunity. Here opportunity, a new world
order is struggling to assert itself. We are
at a crossroad. An enlightened age beholds
us. But fear of a older time are plaguing
our policymakers. Fear of a cold war era,
of a bipolar world. Stress is a victory of
this part. It is not a hopeful future if
we allow the cold war mentality to further
the exploitation of scarce inlands and people.
Direct our energy and energy to helping
not arm ourselves against what doesn't
threaten us.

Name: Charles O'Neel
Address: 4734 Highwood Rd. Kansas, KS 67514

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 7, 1992

To Sen. Daniel Inouye and Mr. Randy Gallion,

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 against STARS has changed. I feel the Army has done a wonderful job of answering all questions the opponents have. Also, I admire the military's professionalism in addressing some of the weird environmentalists. However, I think there are still questions to be answered. Keep up the good work. Thank you for your time.

Oka Ario Tokeha
MEMORANDUM FOR Commander, U.S. Army Strategic Defense Command, 
ATTN: CSSD-EN-V (D.R. Gallien), P.O. Box 1500, 
Huntsville, AL 35807-3801 

SUBJECT: Review of the Draft Environmental Impact Statement for 
the Strategic Target System, February 1992 

1. The comments and recommendations on the above subject 
document are enclosed. Recommend addressing the comments and 
resubmitting 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 E. Legg and Mr. Wayne Hardcastle, Waste Disposal 
Engineering Division; Ms. Jennifer Breen, Water Quality 
Engineering Division; Dr. George A. Lus, Bio-Acoustics Division; 
Ms. 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: 

THOMAS L. GUINIVAN, P.E. 
Chief, Air Quality Management 
Branch 
Air Pollution Engineering 
Division 

CF: 
HQDA(SGPS-PSP), ATTN: COL Fitz 
CDR, HSC, ATTN: HSC-P 
CDR, USAEHA, ATTN: HSHB-ME-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 Mano 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 that comparison and conclusion. The high levels of chloride 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 FP which is appears to be about the same distance from the Pacific as sample point WR. Unless sample point FP 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 serve as a comparison to current water quality data, and will be used to support the conclusion that past launches have not 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, NAAQS (Table 3-3)
   Comment: An annual National Ambient Air Quality Standard (NAAQS) value should be included for carbon monoxide (CO), annual NAAQS equal to 9 ppm, or 10,000 ug/m³). In addition, notation should be associated with the annual NAAQS for CO and sulfur dioxide to state that they are annual geometric means.
   Recommendation: Consider including an annual NAAQS value for CO and notating that the annual NAAQs for CO and sulfur dioxide are annual geometric means for Table 3-3.

7. Reviewer: Dr. Luz
   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 is Figure 3-11, which lists the noise level at three feet from a garbage disposal as being approximately 77 decibels. 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 (7:00 PM-12:00 PM) with a background level of 45 decibels during the night hours would give an Ldn of 79.4 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 have been 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 4-5, 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 lifeforms 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  
Page 4-7, Air Quality Modeling  
**Comment:** Modeled ambient air concentrations, using the TRPUF 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 TRPUF and the REEDM dispersion modeling input and output files in the final STARS EIS.

11. Reviewer: Mr. Kirkpatrick  
Page 4-7 through 4-22, Air Quality Modeling  
**Comment:** Throughout the Air Quality Modeling Section, modeled pollutant specific concentrations are given for specified downwind distances. Without the input and output TRPUF and REEDM data sets to critique, it is difficult to determine if these "downwind" distances are direction specific radial or concentric distance radials.

**Recommendation:** Include additional information on the definition of the specified downwind distances from the TRPUF and REEDM model outputs.

12. Reviewer: Mr. Hardcastle  
Page 4-45 Hazardous Materials and Waste  
**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 facility and operating personnel, which meet the storage and training requirements of the RCRA for full hazardous waste generators (40 CFR 262.34, 265.16 and the applicable sections of Subpart I of 40 CFR Part 265).
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:

Please let it be known that I object strongly to the Strategic Target System in general. It's location on Kauai, in particular, poses a threat against this project to the local forests and other environmental programs.

Sincerely,
Bruce Case

Name: Bruce Case
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: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

For Guest Use

Dear Ma. Enoa and Mr. Gallien,

Stop the plans for testing missiles on Kauai. This island is changing every day. We, the people, except and want to try to adjust. We the people have to stand up for our Beautiful Kauai.

Stop the war.
I will not vote for you again.

Sincerely,
Michael
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. Noili 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 Eboye.

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 fictitious threats.

Sincerely,

Joseph "Ori"

P.O. Box 3236

Lawa'i, Kauai, 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.

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Sincerely,

Valerie Williams

Valerie Williams
4796 Pakehu Road
Kapa'a, 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 the 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 are happening—and they will continue to happen (in particular with antiquated equipment). 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 and 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.

$35 billion dollars would go a long way toward 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
Hawaii, HI 96714

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. Nah Alii 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 Ebeye.

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 fictitious threats.

Sincerely,

Joe Adi

April 8, 1992
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. Moloa Beach 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 Eibaya.

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 quantitative 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 40 launches being successful - 97% to the 40th power - (using the standard math formula for probability of success), it turns into an appalling 10% probability of success!! Is this figure significant to you? This is not an emotional argument. It is a factual mathematical one.

I support the PMRF 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,

[Signature]

Yvette Bambas

[Address]

April 5, 1992
12 April 1992

To: Senator Daniel K. Inouye
Mr. Randy Gallien

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 support 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 a 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 Patty 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”, “unlikely”, “all precautions will be undertaken”, “insignificant”, “no impacts anticipated”, 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 launchings and testing as part of SDL 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 it’s infrastructure that will change the landscape or seascapes, i.e. upgrading the launching pads, building rocket and fuel storages, 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 the 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.

Gerald M. Hirata
P.O. Box 585
Kauai, HI 96716

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 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 FIS 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

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 35807-3801
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 surely hope 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 887
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 Senator...
Washington, D.C.

I have written to you before on this issue of the proposed STARS program at the missile launcher from PMRF. I am very much opposed to this program, and I gave public testimony to that effect at the hearing held by the Army last week here in Kauai.

I am writing through now to let you know that as a long time resident of Kauai I fully support PMRF. I voted this in my recent testimony. I would like to see this base remain open as a part of the diverse economy on Kauai.

I hope that the future of PMRF will not be dependent on the success of the STARS program here. Please, keep PMRF — but no STARS on Kauai.

Sincerely yours,

Poli C. Oliver
P.O. Box 87
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 PMRF 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 PMRF. 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,

DENNIS J. OLIVER
P. O. BOX 87 - KOLOA, KAUAI, HAWAII 96756
March 7, 1992

I am opposed to the STARS Program on Kauai. The fragile environment of this island could not sustain any type of accident that results from negligence at the Y138 Range. STARS does nothing to secure our National Defense. Please stop this program NOW.

Sincerely,

[Signature]

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.

[Handwritten comment: I don't support Star Wars.]

[Blank lines]

Name: [Blank]
Address: P.O. Box 1572, Hanalei, 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
I don't support Star Wars.

But I do support farmer's markets.
April 7, 1992

As a mother, and a long time resident of Kauai, I am completely opposed to any missiles on Kauai. 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 31, 1992

Dear Senator Inouye and Mr. Gallien,

I am asking you please to stop the Star Wars on Kauai. I am against any missiles here or anywhere on the world.

Mahalo

Isabelle Winninger
P.O. Box 612
Kiawe 96754
Hawaii
To Senator Inouye and Mr. Gellien,

I am pleading with you to pleas 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 PMRF - just the SDI project.

Mahalo,

Ruby Star

Ruby Star
Po Box 959
Kilauea, HI 96754
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,

June 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
PO Box 1224
Hanaelei, HI 96714
MEMORANDUM

TO: Senator Daniel K. Inouye
    Commander D. Randy 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'm 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,

Laure Mandel

Laure Mandel
P.O. Box 129
Kapaa, HI 96746
April 6, 1992

To Senator Inouye and Mr. Keith Gillan,

I am against the launching of the planes and the missiles even back the community.

Sincerely,

Emilio Esperdy
Emil signals
P.O. Box 323
Waimanalo, HI 96796
Senator Daniel Inouye,
Mr. Ronny Gallien,

April 4, 1992

Dear Sirs:

It is difficult for me to imagine the possible negative outcome to our island were the STARS missile launching from Barking Sands to Kure were to be approved. Potential accidents, noise, pollution, and depletion, becoming more and more a target for hostile forces; who knows what type 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 Kauai never dreamed that their island would suffer to date either. Would you want such launch sites seemingly little to gain for any Americans, to begin in your home town?

Please do whenever 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]

[Address]

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]

[Address]
April 9, 1992

To Whom it May Concern -

The time has come to say yes to the vision of Peace that we hold for this 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 desecrates 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 Treux Nauso
PO Box 493
Kiluea HI 96754
April 3, 1992
4332 Niulii Place
Koloa, HI 96756

Dear Senator Inouye and Mr. Gallien,

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 will emit hazardous chemicals such as aluminum oxide and hydrochloric acid into our atmosphere. Even a small amount of excess acid in the air can cause breathing problems in humans. Research has linked aluminum oxide with Alzheimer's 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 from 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 now allowed to penetrate, which increases our already-high potential for skin cancer, 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.

Senator Daniel Inouye
Mr. Randy Gallien

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 dangers to human life on Kauai in the case of an accident, multiple environmental concerns, the limiting of Poipu 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,

mandatory

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,

[Signature]

LARRY PALLING
GENERAL DELIVERY
AHAOLA, HI 96703
Manette Gettier  
General Delivery  
Anahola, Kauai, HI 96703  
April 3, 1992  

Dear Mr. Gallien and Senator Inouye,  

I am writing to express my opposition to the proposed STARS missile 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 freon 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 array 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 Polihale 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,  

Manette 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 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. Nihili 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 Ebatye.  

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]  

P.O. Box 238  
Hanalei, HI 96714
Institute for Space and Security Studies
5115 S. Alma 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,

Lt. Col. Robert M. Bowman, Ph.D.
President, ISSS

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 70% 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 heroic, 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 DEIS 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 MX 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 us, 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 terrorism. 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 Hudson on a barge, or to Waldwick on an outrigger, or maybe fly it into Red Square in a Cessna. 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.

page 1
One of the ironies of all this is that they don’t need to use Kaualii. There are many other ways to put those 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, the way they were designed? 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 Kaualii 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 quixotic 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 BMD Treaty could have been easily overcome or circumvented. If SALT would have prevented encryption of signals using Minuteman III, so what? What are we trying to hide from whom? And since when has the SALT program been so concerned about avoiding even minor technical conflicts with treaties? The whole SALT 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 EIS really expect us to believe that if the island of Kaualii didn’t exist, that there would be no STARS program? If there existed another way that 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 Kaualii are not holding up GATRS 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.”

Lt. Col. Robert M. 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 36 countries, and included 101 combat missions in Vietnam. His Ph.D. is in Aeronautics and Nuclear Engineering from Cal Tech.

ISGS, 5115 S. AIA Hwy., Melbourne Beach, FL 32951; (407) 992-0600

1 April 8, 1992

Dear Mr. Gallien,

I support the ‘No Action’ alternative on your Draft EIS. I am strongly opposed to Star Wars testing on Kaualii 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 EIS. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

3. Niihau 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 Ebeeye.

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 concious decision based on the true impact of the program, not under duress from threats.

Sincerely,

[Signature]

[Address]

[City, State, Zip]

[Date]

I would like to know why “mainland” missile testing facilities are surrounded by 100 miles of fenced land, with no one allowed inside, while there is no fenced land on the “old” missile sites. Likely age problems will be found off, and then a town. “Hind-sight” 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 us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Ron Strong

I am not support Stawars but I do support TRMF.

Name: Ron Strong
Address: 1163 Kaumahina Street

Deputy Commander
U.S. Army Strategic Defense Command
WILLIAM M. PATY, COMMANDER
ATTN: CSSD-EN-V (O.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Sir:

SUBJECT: Draft Environmental Impact Statement (DEIS) for the Strategic Target System Program, Pacific Missile Range Facility, Kekaha, Kauai, Hawaii - TRM: 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 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 .5 mile of shoreline located within the PMRF Recreation Area 7. This represents 2.3 percent of beach area on western Kauai.

Launches (4 per year) associated with the STARS Program would result in the closure of Recreation Area 7 for an additional 56 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 Kekaha Sugar Company for the production of sugar cane and 134 acres of Poilihale State Park.

Land uses within the off-base ground hazard area would continue except during launch operations, when the area would be verified clear for safety purposes approximately 20 minutes prior to each scheduled launch. PMF personnel may enter the area up to four hours before launch to post signs and give notice to any people within the area of their need to leave. Clearance would affect only six percent of the Kekaha Sugar Company leased land and interrupt transit to Poilihale State Park and the beach along PMF.

The DEIS reports that access to Poilihale State Park will be temporarily closed for a minimum of 20 minutes and up to 40 minutes per launch. In addition to STARS launch activities, these clearing/closure procedures, combined with similar activities for other PMF/KTF and EID program launches, could result in a total time of fifteen (15) hours per year that the area would be verified clear.

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 Kekaha Sugar Company. This agreement would allow PMF security forces to request that the area be verified clear of all nonessential personnel for approximately 20 minutes for each flight. Also, PMF would notify the State in advance of clearance.

According to the DEIS, the calculated impact of missile launch activities on access to Poilihale Beach Park and PMF beaches would be equal to 80 minutes per year, with the potential for an additional 30 minutes per year to accommodate weather, maintenance, and technical delays, in which the area would be verified clear. We believe this underestimate the actual impact of launching operations on public use and access. If you add 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/or technical problems would be only 20 minutes per launch. However, given the uncertainty of environmental variables affecting each launch, this assumption is questionable.
Mr. Randy Gaffin, USASDC GSDD-EN
128 Wynne Drive
P.O. Box 1600
Huntsville, Alabama 35807-3601

Dear Mr. Gaffin:

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 10,000 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 split, 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 fuelling/defueling 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 response guidebook).

Otherwise, this report has adequately addressed the toxicological and health related aspects of the chemicals involved.

Notes

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, launching will not be simultaneous and the nearest noise sensitive area (residential) 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, Ph.D.
Deputy Director for Environmental Health

cc: Office of State Planning, Attention: John Nakagawa
Dear Senator Inouye, and Mr. Calman—

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 KWAJALEN Atoll as Target-Zero for U.S. Army a Military Missile 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 Polynesian friends.

NO MORE STARS ON KAUAI
STOP MISSILE PRACTICE IN KWAJALEN ATOLL

Mahalo

Victor P. Mckelly
U.S.N. Vet
Kauai, Hawaii

P.S. You are a great Senator and doing a great job for Hawaii.
To Senator Daniel Inouye

Honorable Senator,

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 denotation 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
Dear Senator Daniel Inouye,

April 8, 1982

I am writing to express my concern regarding the ongoing activities at the Pacific Missile Range Facility on Kauai. I am appalled by the knowledge that the U.S. Army, in its attempt to improve our national defense, is opening a site that will potentially harm the environment and wildlife.

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.B. Budgeted

April 8 1972

Please reply

James, Washington

April 8, 1972

Please Reply

Kauai, Nl, 96751

2-166
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 is there the negative impact on the environment, but the possibilities of an accident are far too serious to ignore. This is not about jobs or some, but about people's lives and the preservation of our island.

We must not allow the risks involved. Kauai has taken a stand against nuclear testing in the name of peace and it's time we do the same.

Thank you for your attention.

May God be with you.

Aloha,

Doris Petrich
P.O. Box 79
Anahola, HI 96703
April 10, 1992

Dear Sirs,

I am totally against the Star Wars Program being launched from Kauai. Kauai is a prime and clear island and the only place left in the United States that is still natural and untarnished. The Star Wars Program will destroy the ecological balance that we have worked so long to achieve.

Please keep our island pristine and unpolluted. Let's keep the peaceful nature of the island.

Sincerely,

Eve Bruce
P.O. Box 3500-173
Princeville, HI 96722

4/9/92

TO WHOM IT MAY CONCERN:

I SUPPORT PEPF BUT I DON'T SUPPORT STAR WARS.

Sincerely,

Laurice Sullivan
2653 Alakea Street
Lihue, HI 96766
808-245-2509
(808) 245-4024
4-10-92

Dear Senator Inouye,

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 Hawaii (Coronary Hawaiian islands).

I have deep concerns about the transportation of hazardous materials related to the project on Maui, Highway 3, the main highway through densely populated areas, and near schools with young children.

In addition, I am concerned and against the rockets (any rockets!) being fired on the island because of possible hazardous chemical emissions into the atmosphere and in this scenario. 

What I am concerned with is that Kauai is becoming known as a hazardous area or heavily weighted military area as this might affect adversely the tourism industry. Considering the economic, environmental, global, and community concerns I must express to you my concern to deter this kind of project on the island of Kauai.

Sincerely,

Marlen Cornell
PO 846
Kilauea, Hi 96754
I understand what your intentions are wanting star wars 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 not 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 cramped into a ghetto style Island. I don't call that working as one. Think about what your doing to innocent people,

Thank you and Peace

David Granda

6433 Kauaihau Rd. 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 us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

My expression in the continuous decided war technology that we must protect our country in our own way to still get there in the middle east and still spread of war from other country specially of communist country. Game theory.

My reasoning is continueI would for them and here is the war machine they are enemy during exercise. Strategic war is the world right now at instant when instant second.

Name

Address

[Street 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 35807-3801

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.

Along: I have two brothers in the military one in the Marines and other in the army who are truly dedicated to their work and home to serve and protect this country. I think we make peace in this world starts with men and good soldiers like my brothers not SDI or any type of weapons. I have a tape called this Attack of 21C Wars and B-2 Stealth Bomber it says it is the best attack fighter in the world; they say you can fly up in the air and show an instant and can be recalled in the air. My dream is to be in the Army.

Name

Address

[Street 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 35807-3801
You are crazy people! stay of of our Island. We don't want ridiculous missiles on our island.

Marauita (5 years old)
Granda

Name: Marauita Granda
Address: 6A33 Kauaihau PR 96746 Kaua'i, Hawaii

April 13, 1992

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

Dear Sir:

Subject: Comments on Strategic Target System Draft Environmental Impact Statement

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 to 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. Pape, Jr.
Vice President and Manager

cc: Mike Burke
Honorable Senator Akaka.
US Senate
Washington, DC 20510

Dear Senator Akaka,

I live in (your town, your state). I am very concerned about the proposed Star War testing. It is a waste of our money and unsafe for the people of Kauai. 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 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 Kauai missile launching and put an end to the Star War program, NOW.

Thank you,
your name.
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE Launches TO KAWAJALEIN ATOLL

MaryKynard
330 W. N.A. Rd
Koloa, Kauai, 96756
(W)

Susan Kauai
2281 Kauai Rd
Koloa, Kauai 96756
(W)

Susan L. Kauai
2281 Kauai Rd
Koloa, Kauai 96756
(W)

This Project Must Be STOPPED!!

1. CROWN HANDS - HAWAIIAN HANDS NOT FEDERAL
   HAND SWAP - HAWAIIAN HOME HANDS

2. NI'IWAII WATER - JEOPARDIZE THE HEALTH
   CONTAMINATION OF HAWAIIAN HANDS

3. RESTRICTED AREA 365 DAYS A YEAR

4. AIR QUALITY - GROUND WATER CONTAMINATION
   SHORE LINE HABITAT - RAIN FORESTS

5. MARINE LIFE - CATASTROPHIC KAUNA
   Kauai 500 sq miles - DEADLY FOR ALL

Name
Address
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (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.
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.

Wrose lived on Kauai 12 years and plans to live here at least another 12 years. I have heard a lot of good things about Kauai and I am interested in protecting its natural beauty and way of life. The only thing that really concerns me is the possibility of a nuclear incident. It would be devastating to know that something could go wrong and put the whole island at risk. I hope that my voice will be heard and that the decision made will not harm the environment or the health of the people who live here. Please stop the project.

Name: Wrose
Address: Box 711
Kauai, Kauai 96741

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSS/ENV (D.R. Callien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
I am a separate, independent life form, 2-176
of the defense establishment spending money trying to affect public opinion? Is it the responsibility of the Defense Department to defend rather than mold public opinion?

Abandoning the SOT experiments on Kauai can only improve the image of the island as a fine place to visit and live. Why tamper with a good thing? Kick the rockets off Kauai. Send answer any questions.

Sincerely,

Onille Dent
Onille Dent
5045 Laipo Rd HT 96746

Against Star Wars 4/13/92

To The Military:

I feel that your Star Wars Project may bring us more harm than good. And to the Marshallese, no 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 of the Star Wars? Would you if your children were the victims of this? We must learn to live more peacefully with each other as those boundaries are mans' creation and not of God. In actuality we all live together and are the family of man. Your own family... would you bomb them? Or even their homes if they weren't present?

I say "No" to Star Wars!

D. Anderson
A vote for No Action 4/13/92

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 pollution somewhere else! It seems your worst enemy is yourselves. Stop... for the children.

sincerely,

[Signature]
4/10

To whom it may concern,

I support PMRF and not Star Wars.

Sincerely,

Michael Coats
Michael Coats
1234 Box 738
Killearn, FL 32054
904-228-1357

7/5/92

To whom it may concern:

I Support PMRF but
I don't support star wars

Michael Coats
1234 Box 738
Killearn, FL 32054
904-228-1357
Dear Senator Sgroz and
Mr. Galvin -

My Husband and I have
Support F.M.R.E. but Do not Support the Storing of Nuclear Missiles on Kauai. It will Ruin our Island, Our Land and will Cause Things in the environment.

Sincerely,

Please Save our Island
Shelly Spencer 4/9/92

To Whom it May Concern,
April 10, 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 payer, 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 launchers 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
P.O. Box 209
Glenn, HI 96784
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 show this rocket launching down our throats without due process. Hold a special election or the ballot to determine the will of the local residents. The impact study is merely a mechanism. Don't insult our community!

Name: Andrew Brown
Address: P.O. Box 220, Anchorage, AK 96703

I am against the use of Kauai as a test sight for S.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 Brier
Address: P.O. Box 220, Anchorage, AK 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
April 12, 1992

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 80,000 souls is truly 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 flaws in the draft EIS and in the basic premise of the STAR 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! I'd love to do ALAHA, LINDA CANDLER

P.S. We believe in the air force and I am not against the military.

Senator Inouye, 4-9-92

I am writing to have peace on the planet, including here on Kauai. I note for StAR's short support anywhere.

The only reason I heard of the savings for was economy—people in San Diego without this project the would lose their jobs (why not create jobs that support people?) and because of "defense," I don't see an enemy "out there"—except do against the environment.

Let please begin with me.

Sincerely,

ALIWA, HAWAII 96759

Linda C. Chandler

P.O. Box 447

Hawaii, Hawaii 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 want to go on record against the use of P.M.R.F. on any Kauai facility for the use of sox 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 270 Anahola, Ut. 96703

4/10/92
From: DAVID & Heidi Rhodes
1321 Kilauea Pl.
KAPAA HI 96746

Dear Senator I know you and Mr. Gallien:
We are a Kauai couple who do NOT support the STAR WARS project especially here on Kauai. We do support P.M.R.F. 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?

Mrs. David Rhodes
Deputy Commander
U.S. Army Strategic Defense Command
CJD-S-EV (D. R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Re: Draft Environmental Impact Statement (DEIS) for the
Strategic Target System (STS) Launch of Strategic
Target System Vehicles from the Kauai Test Facility at
the Pacific Missile Range Facility on the Island of
Kauai, Hawaii

Native Hawaiian Legal Corporation is a public interest law
firm which provides legal representation for ethnics Hawaiians.
Our comments here relate to protection of the interests of Native
Hawaiians who are beneficiaries of the Ceded Lands Trust
established in § 5(f) of the Hawaii Admission Act and who
could be aggrieved by failure to comply with federal and state law as
it pertains to the management and use of those lands.

Our principal area of concern here is that any activities
related to this project that take place on or otherwise impact
Ceded Lands owned by the State of Hawaii and made available to
the United States as a tenant of the State under any permit,
lease, license, or Governor's Executive Order be conducted in
full compliance with applicable laws of the State of Hawaii. Our
concern is based on the position recently advanced by the federal
defendants in Sierra Club v. Chennay, supra, U.S. District Court for
the District of Hawaii, Civ. No. 96-0775 HFB, that the U.S. Army need
not comply with Hawaii law by obtaining a conservation district
use permit from the State of Hawaii Department of Land and
Natural Resources prior to undertaking this project. The clear
implication of Sierra Club is that the Army does not feel itself
obligated to comply with Hawaii law in its conduct of this
project.

In Sierra Club, the Army relied upon the alleged absence of
any waiver of the sovereign immunity of the United States that
would permit suit by the State of Hawaii or any other party to
seek compliance with Chapters 171 and 183, Hawaii Revised
Statutes. The court followed Hancock v. Train, 426 U.S. 167
(1976) to find that the State of Hawaii could not force
compliance with State law under the circumstances of the case
before it. Sierra Club v. Cheney, supra, Order Granting In Part

U.S. Army Strategic Defense Command
Comments on STS DEIS
April 13, 1992, p. 2

And Denying In Part The Army's Motion For Summary Judgment,
Denying Sierra Club's Counter Motion For Summary Judgment,
Granting Summary Judgment For The State, And Ordering An
Injunction Of The STARS Project Funding Supplementation Of The
Army's Environmental Assessment. (D. Hawaii May 9, 1991), slip
op. at 35-38 (Krau, J.).

The Sierra Club court noted that "the government is immune
from suit unless it consents to be sued by statute or by
contract." Id., 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 the Polihe
State Park, under the terms of a Memorandum of Agreement and
Grant of Easement with the State of Hawaii. See DEIS, App. 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 a more lease,
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 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
Hancock are inapplicable to the question of the State's
enforcement of federal 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 bring suit 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
express or implied term of such a requirement will be void by
statute or other law of the State of Hawaii. 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.,
198D, 205A, 226, 228, 286, 3406, 341, 342B, 342C, 342D, 342F,
U.S. Army Strategic Defense Command
Comments on STS DEIS
April 13, 1992, p. 3

342H, 342L, 342J, 342Z, 342L, 342N, 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 firmly appropriate in light of the Board's land management responsibilities under §§ 26-15, Hawaii Revised Statutes, and the State's trust obligations under § 5(f) 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 proposed 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 not possible, to state the extent to which the project will not be in compliance with such laws.

Very truly yours,

[Signature]

Carl C. Christensen
Staff Attorney

cc: William L. Paty, 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." Id., fn. 2.


dated to us by the natural

Hawaiian themselves.

Please help us to keep our beloved
waters, air, land, free of
nuclear waste - please support
our highest wishes and desires of

Kane Steadle
10 April 1992
Kahului, Hawaii 96732

Senator Inouye,

This is a letter to encourage you to open to the real reason why we face all these to live on Kauai and the Hawaiian Islands.

We are well pleased to live in one of the most beautiful places in the world.

- Mana = Breath of Life

As taught to us by the natural Hawaiian themselves.

Please help us to keep our beloved
waters, air, land free of
nuclear waste - please support
our highest wishes and desires of
Aloha - Human beings are here.
Let's forget about ignorance.
Let's get our feet out of the sand.
For those of us who have choices, let's make new choices.
We can help the people of this land.

K. Scott

Never forget.

Kauai has had a unique history as a place of strategic importance for mainland military interests for many years. This reason has been for defense; the result has been jobs.

Many in the business community will not speak out against Star Wars because they need the support of the military incomes to stay afloat.

The business community, the people who have military jobs, the military itself can all come up with new solutions. 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 missiles into Save the Whales.
 Arrest Ronald Reagan and arrest Secretary of the Planet just before its too late for life on earth.

Bonnie McRae
THANK YOU FOR HOLDING THIS HEARING AND THANK YOU FOR PROPOSING THIS PROJECT FOR KAUA'I BECAUSE IN A STRANGE WAY I HAVE COME TO SEE IT AS A BLESSING. IT TOOK THE THREAT OF STAR WARS MISSILES ON KAUA'I 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 KAUA'I - THAT THIS PROJECT ACTUALLY ENDANGERED THE SPIRIT OF KAUA'I.

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 FAR FARTHER THAN KAUA'I - ALL THE WAY TO EBAYE ISLAND AND KWJALEIN. AS A CITIZEN E.I.S. REVIEWER I RAISED THE ISSUE OF THE HUMAN RIGHTS ABUSES TO THE INDIGENOUS PEOPLE OF THE MARSH ALL 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 KAUA'I 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 IT'S 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 EXPRESSED 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 POLIHALE - AN ENVIRONMENTAL NATIONAL TREASURE.

THIS PROJECT HAS ALSO TAUGHT US TO REALLY QUESTION BIG TICKET DEFENSE PROJECTS. AFTER REVIEWING THE REAMS OF MATERIAL CRITICAL TO 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 KAUI - 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 KAUI. LET THIS BE THE END OF CONFRONTATION - LET US BEGIN TO DISMANTLE THE TRILLION DOLLAR YEARLY BUSINESS IN ARMS SALES. LET KAUI 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 KAUI - 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.

Members of the Kaua'i County Council
Lihue, Kaua'i, Hawaii

Yokwe komi:
(Greetings)

I take this opportunity to address you on what for us at Kwajalein in the Marshall Islands is a most important issue, the continued firing of missiles to our atoll.

I have only recently been informed (yesterday) of the fact that we would be on the receiving end of even more missiles, this time from the homeland of our cousins in the Pacific, from Hawaii. We were never extended even the courtesy of having our people told of this fact. But for my visit to Hawaii on a totally unrelated matter, our people would still have remained ignorant. As far as I know, I am the only one so informed so far.

People who have not lived on very small islands do not fully appreciate how precious we take our Islands. In 1956, a delegation of Marshallese leaders addressed the United Nations saying:

Land means a great deal to the Marshallese. It means more than just a place where you can plant your food crop and build your houses, a place where you can bury your dead. It is the very life of the people. Take away their land and their spirits go also.

I imagine the indigenous people of Hawaii can understand our feelings for our land.

The firing of the missiles to Kwajalein stilt threatens the integrity not only of the waters and lands in the vicinity of the target area, but the people living in the nearby islands as well.

The experience we have already gone through in other experimentation by foreigners have caused us to have very little faith in the representations of their scientists and government agents who continually tell us not to worry. Our children, husbands and wives and elder folks, just by the remaining sound on their bodies speak much louder to us. We can not accept the representations that such testings are safe to
ms. The legacy of Rongas, Sikini, Enewetak and Utirik 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 have somehow equated the American dollar to the value of our peoples' health, safety and very 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 earth. Just as I am sure the people of Kaua'i 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.

Ilo kaitiie,

Johnny A. Ritola

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Sierra Club
Kaua'i Group of the Hawai'i Chapter
Post Office Box 3412
Lihue, Kaua'i, Hawai'i 96766

April 13, 1992

Mr. Randy Gallian
Lt. Col Gus Manguso
USADOC
P.O. Box 1500
Huntsville, Alabama 35807-3801

Re: Draft EIS for STARS

Aloha, Gentlemen:

On behalf of the Kauai group of Hawai'i'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' year-end 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 they'd politely follow the gentlemen's agreement of attack and launch an ICBM overtly? Why not the wheel-in-a-drum version mentioned by so many at the public hearing last month? (See Charlie'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:

Alternatives: Page S-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 Kaua'i." 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 we have previously pointed out, if this country can spend $61 billion on misdirection for 1992 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 Kawaiola 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 tumors of the sea turtles. These creatures are now starving to death because they can't see to find food. Those tumors 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 soap box 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 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 our 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 daughters and sons, 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. 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 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 Hoedis) encapsulated our concerns very well. [I know you already heard this, Randy; I saw you take notes on 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 PMRF.

Cultural Resources: Nohili dune is sacred. It is an inappropriate place for war machinery. I refer you to the presentation of various members of NoHili Coalition, Kaleo Patterson's in particular. Please note, in your draft EA page ES-3: "The entire land area of KNP and PMRF could be considered archaeologically sensitive because of the cultural resources found within the installation."

Land Use: You have failed to consider the concerns of kahaka mea 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. Davianna Mapugnuo's verbal testimony at the public hearing. The land surrounding KNP (indeed, the land underlying PMRF) 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 points out that you have failed 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. Mike Kohlin 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 ES-4 you mention (under '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 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' 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 iono computer program gets loaded; a subroutine 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
Only the storage tank was built by somebody with a hangover. Your fuels might get transported down our little highway (as in two of your four scenarios listed): How 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 antiquities of rockets and you have a disaster waiting to explode. Or else you still have a program designed to protect us against a former enemy.

Infrastructure: Your 'fire suppression system' is ½" PVC water pipe. That's sure to put out an explosive fire.

Socioeconomics: 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 counter the detrimental economic effects of national news coverage of our one-day flood of December, 1991. How many grants of a million dollars will it take to fix the effects of one rocket failure? Ten years' worth of closed-off state park access to campgrounds? One missile shot 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 launch area is out of the tsunami zone. According to Kauai Civil Defense, the entire Manalua Bay is in a tsunami zone.

Time moves along, on small scales and grand ones. Since your postmark deadline for comments 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,

Suzanne Henderson
Chair

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.
April 11, 1992

Ray Chevan

COMMENTS ON PROPOSED GRANT OF EASEMENT

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 in the launching, tracking and collection of data associated with guided missiles, satellite and space vehicle research, development and evaluation and military training programs; ..." One has to 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, since 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-5 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 (7) 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?
Kauai Group of the Hawaii Chapter
Post Office Box 3412
Lihue, Kauai, Hawaii 96766
April 13, 1992

Re: Draft EIS for STARS

Aloha, Gentlemen:

On behalf of the Kauai Group of Hawai'i'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 another way to say: Our armed forces are made to function inadequately for the sake of private defense contractors' year-and corporate profits.

3. Further, SDI, with its ever-changing definitions and goals, eludes a definition 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.S.R. still exists who's to say they'd politely follow the "gentlemen's agreement of attack" and launch an ICBM overdue?] Why not the warhead-in-a-drone vanus mentioned by so many at the public hearing last month? (See Chuck Jery'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 ES-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/community, the least expensive and redundant, 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 the sea. Consider the mysterious eye tumors of the sea turtles: These creatures are starving to death because they can't see to find food. Those tumors 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 soap-box 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 left to them, 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 11.2 billion. 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 life rays of our sun have become cancerously 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.

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CULTURAL RESOURCES:

Nohili dune is sacred. It is an inappropriately place for waste machinery. I refer you to the verbal presentations of various members of Nohili Coalition, Rev. Kaleo Patterson in particular. Please note, in your draft EIS, page ES-3: "The entire land area of KTF and PMRP 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 verbal presentations of Rev. Patterson's guests at the second citizen reviewer meeting, and to Ms. Davianna Nagare's verbal testimony at the recent public hearing. The land surrounding PMRP [indeed, the land underlying PMRP] belongs to the Hawaiian nation; Kakaha 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 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 peoples' minds (refer also to the verbal testimony of Mr. Nico 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 ES-4 you mention (under '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 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' hazard arc; I will reply to you that the oil industry projects (yes, you'll hear the Valdez; yes, V-tap) which 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 under-ground 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 one. The storage tank gets built by somebody with a hangover.

Your fuels might get transported down our little highway (two of your four scenarios allow this): How about the drunk driver, the blowout of a passing vehicles'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 3/4" 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 you to point out to you that the Kauai Economic Development Board has just applied for more than $1,000,000 in grants to counter 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 missile goes 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 Mala Plain 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,

Chair

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 I nausea, 4/10-92
I do not want any portion of the S.D. I-2 program on Kauai. It feels inconceivable that a so-called "civilized" population could participate in this program. I do not support military expenditures of this kind with my tax money.

Steven E. Stocker
Box 910
Kilauea HI 96754
4/7/92

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
April 9, 1992

The Honorable
Daniel K. Inouye
Senate Office Building
Washington, D.C.

Dear Senator Inouye:

"Star wars" should be scrapped, not only on Kauai, but everywhere.

It is unconscionable, not to mention a disservice to justice, its poor victims and soldiers, to project billions of dollars into a pipe dream while our entire country is in the throes of a deep recession and much of the human spirit is in want and need.

Respectfully,

Luke Makarewicz

April 8, 1992

The Honorable
Daniel Inouye
Washington, D.C.

Dear Sir:

The overwhelming majority of Kauaians has spoken, in no uncertain terms:

No STAR WARS on our fragile island!

Respectfully,

Roman Makarewicz

Kilauea HI 96754
of the effort has been concentrated off the west side of the island between Nohili 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, 4.1% 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. +/- 1684) (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 resighting 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 (April to 23 March, mid-season) 190 sightings were made off P.M.R.F. of a total of 206 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 Bauer (1991), which indicated that the regions around Nihoa, 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 reproductively active whales. 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 then 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 ask that you refer to his statement in conjunction with my own.

Literature Cited


Dear Mr. Gallow,

I am writing in regards to the recent meetings held in Hawaii. I understand that you have been a leader in the movement to prevent further missile tests in the Pacific. I support your efforts and I believe that it is important to keep the islands safe and secure.

I have been following the news about the testing of missiles on the islands and I believe that it is important to find a peaceful solution to this issue. I understand that there are many different perspectives on this matter, but I believe that it is important to find a way to coexist peacefully.

I support your efforts to prevent further testing and I believe that it is important to find a way to protect the islands and their people. I believe that it is important to find a way to protect the environment and the wildlife that inhabit the islands.

I believe that it is important to find a way to protect the environment and the wildlife that inhabit the islands. I believe that it is important to find a way to protect the people and their way of life.

I believe that it is important to find a way to protect the environment and the wildlife that inhabit the islands. I believe that it is important to find a way to protect the people and their way of life.

I support your efforts to protect the islands and I believe that it is important to find a way to coexist peacefully.

Sincerely,

[Your Name]
April 9, 1992

Life magazine has our planet on its cover. This planet is our home. How are we treating our home? Are we using it wisely? Are we respecting our environment? Is our home being cared for properly? Are we protecting it for future generations?...
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.

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 Star project for the following reasons:

1. Scientists who have worked for years on the program have publicly asserted (Common Cause, Newsweek, Honolulu Advertiser) that Star 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 Star testing and research. However, last week, national news stories revealed that the reliability and effectiveness of the Patriot was far less than originally assumed. The successes of the Stealth airplane were similarly discredited. There is no point in expand 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 paying 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 3 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 in the long term interest of the survival of our species and for the turn around of our economy.

Please, my opposition to the STARs program has deepened over the past 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 B. Black

Beryl Black

Dear Deputy Commander,

I am writing to you regarding the Strategic Targeting 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 my family, friends, and I that this program should not be allowed here. The culture, economy and environment cannot sustain such an impact.

Therefore, please - no impact!

Thank you for your consideration.

Sincerely,

[Signature]

[Address]

4/12/92
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 island.

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 PIETF but NOT STAR WARS

Please do what you can to prevent it!

Sincerely with Adoration

Richele Frailey

Richele Frailey
Box 247
Anaikula, Maui, HI 96703
WJ245

486A Mauna Ihe Place
Hilo, Hawaii 96720 USA
April 11, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1580
Huntsville, AL 35807-3001

Dear Deputy Commander:


I decided to address this comment to you after reading the April 8, 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 am presently stationed in Hawaii assigned to work on Pacific and Asian concerns. From 1978 to 1980 I served as a missionary in Asia. At the end of 1991 I completed a three-year term as the interim 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 freon 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 BDL 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 S. Fujisaki, Missionary
United Church Board for World Ministries
April 6, 1992

Dear Edith and Mr. Gallow,

I am writing to express my strong support for the PBRF program. I strongly believe that this program is crucial for the future of our community. I support the PBRF program because I believe it will provide a better quality of life for our children and future generations. I am confident that the PBRF program will be successful and will achieve its goals. Please consider supporting this important program.

Sincerely,

[Signature]

C.P. Kauai, HI

2-207
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. Mokili 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 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. 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]
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 atoll 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
2030-A Upena St.
Lihue, Kaua‘i, HI
96766

Dear Senator Inouye
and Mr. Gallien,

The conflict over the SDI/RBS 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, safety, 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,
Alvin M. Nogose
H. Mayall, Box 427, Kilauea, HI 96754
Dear Senator Inouye

4/2/92

Mr. Gallien

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 Gallien

I am a student at KCC and am concerned about the STAR missiles being launch from Kauai at PMRF.

I do not agree that it should be launched from Kauai because of how small our island is. The effect after the missiles be have been launch could contaminate our island and destroy everything at the same time.

So please stop the STAR missiles from ever being experimented on this island.

Thank-you

Marciana Garza
To whom it may concern:

I have lived in Hawaii, for nine and a half years, painting 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 NaPali coast; and though by car, Duke of Sand or Palihae seem on the other side of the earth, the missile base there is actually no further from me than Kiliua. That the army wants to test these ancient, outdated rockets, that they will be blasting them off from a sacred valley, that they will be shooting them off in my neighborhood, from this premier coastline reveals the minds of madness.

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, distribution 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 launches are being aimed at other islands whose people have been given no voice is 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 man tells James Hart that even if you think of all the things that could happen, there will be 50 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 unimaginable ones lurk as well.

Hold the nightmare. There must be NO ROCKETS IN PARADISE.

Sincerely,

Evelyn de Bahl
PO 150, Hanalei, HI 96714

Amy C. Nishihira
Post Office Box 95
Kalaheo, Hawaii 96741

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 a few 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 my attention that the aborted Aries missile did firing 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 Nihiu island or Kwejalein Atoll, and its prevailing winds are North-Eastery, 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 PRMF 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
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, especially given the history of STARS, and I feel that STARS is a big risk and hazard to our island. Please don't put it here.

Sincerely,

Ferdinand Murrieta

P.O. Box 932
Kekaha, HI 96752

April 13, 1992

2-7-92

181 Kiiha Road
Kekaha, HI 96751
Senator Daniel Inouye  
Washington, D.C. 

ATTENTION: RANDY GALLIAN 

As a resident of Kauai who votes, 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 OPPOSE 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 falling 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 Hoffmann, PhD
Box 321
Hanaelei, Kauai
Hawaii, 96714
Date: April 6, 1992

To Senator Daniel Inouye & Mr. Randy Gallian,

I am totally against the STAR.

Although the program 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 STAR program.

Sincerely,

D. G. C.
Jess Carboreal
P.O. Box 762
Kalea, HI 96756
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 requested an EIS when I submitted a form to your hearing and didn't get my copy at that time. The fact that the people of the Marshall Islands were not addressed makes your EIS not worth the paper it was printed on. We are the USA. You are going to have to answer to this atrocity. And I as a tax paying citizen demand that you answer to this atrocity. Give back the Marshall Islands and their way of life! Kauai is a special Island a place to heal, a place to live life without a threat of a disaster. I vote no rockets.

Robert W. McHaffey
P.O. Box 586, Kilauea, HI 96754

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.

Mahalo
Gary Zenville
P.O. 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 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.

Sharon Smokhoffmann, PhD
Box 321
Hanalei, Kauai
Hawaii, 96714

Date: April 6, 1992

April 2, 1992

To: Deputy Commander
   U.S. Army Strategic Defense Command
   D.R. Gallian
   and
   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 MRF, 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. Neal
North Country Farms
P.O. Box 723
Kilauea, HI. 96754
I am against the Star war project on Kauai for or anywhere else 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 war preparations and their implications do not affect visitors, our main source of income.

2) from the point of view of environment: you get heavy fumes for like Starbuck's; highway cuts through the fragile eco-system of Kauai and risks unknown consequences. In Vietnam, they also told Agent Orange had no damaging effects on human beings, today we know that's not true.

3) from the point of view of democratic rules: How objective can a study be if done by the interested party itself? Also, the outcome of the EIS clear from the beginning?

4) from the point of view of economy and jobs: the manipulation with the fear of losing one's livelihood in an old one. Couldn't we think of many more meaningful jobs created from all that industry tax money. Couldn't it be channeled into life-generating

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 defend us against an enemy - who after the fall of the iron curtain is re-created by the export of billion-dollar-worth of armament. Do we have to defend ourselves against the military machine that not the country of resources in terms of material, environment and human ingenuity, directly needed elsewhere.

I don't feel my life is saved by them but threatened.

We a little vicious circle to be broken.

It's our mission to look into the environment under Clark. We can't afford any more waste and ignorance. Our brother earth needs, to be healed by our joined efforts.

Ingrid

INGRID TILLMAN
PO BOX 818
KALUAU, HI 96754
I oppose STARS WARS due to an inadequate EIS which made it evident a missile launch would devastate Kauai.

Thank you.

Joni Riley
Box 1458, Hana, Hi

Kathleen K. Pickett
P.O. Box 630, Kilauea, Hi 96754

April 7, 1992

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.
U.S. Army, Strategic Defense Command

April 7, 1992

Dear Sirs/Madam:

I am opposed to the Stars Program here on Kauai. I have included a verse of poetry to express my feelings on this matter.

"Doo baby, while we suck on those lies
Your blood soaked costume 'gonna light up the sky."

Sincerely,

Tolles SteFeta
P.O. Box 1687
Hanaelei, 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.

The Star Wars program on Kauai, P.M.R.F
Yes, but no missiles.

Name: Dickie Leusk
Address: 2899 Ho'olei St, Kilauea, 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 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 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. 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,

Michelle Nielson Davis
Registered Voter
P.O. Box 138
Wainaku, HI 96754
April 8, 1992

Dear Mr. Galleri,

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. Nihili 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 Edeye.

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,

Lick Francisco
P.O. Box 930
Hanalei 96714

We support PRM, but I don't really care for all those missiles, STIK DUNES NO STAR WARS!

Name  Cynde D. P.
Address  2009 Keiko Rd. Kilauea Kauai 96739

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. Galleri)
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 sincerely implore you, that you folks reconsider the least like by accident and its effects and eventually "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 anxieties and fear and confusion many people feel they might soon be contending with if this E.T.S program is actually to be implemented might logically and truthfully be laid to rest. And there fears, at least after two meetings of discussion/debate are still at large—within myself also

Name: James Friend / James E. Friend
Address: P.O. Box 7952
Hanalei, HI 96714

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

4/7/92

So when it may concern:

I am a resident of Kauai 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!!!

Deborah J. Frank
P.O. Box 1601
Hanalei, HI 96714
We knew nothing but the briefest mention of the Great Leap
was dismissed. China's economy, both social and economic,
about the "guidelines on integrity and issues of well being"
expressed. This is a great spirit in the heart of America. It is
still present. The spirit of our ancestors, the collective
in the heart of every American. In the spirit of
the Chinese, who would like to live freely and build a
just society,

The heart of every American is the spirit of the
original inhabitants on these lands, who felt the
closest to the creator on the earth, and lived accord-
ingly.

The heart of every American is the spirit of an
American, who today, the people, have chosen that all power is
in the hand of those who live in this

The unyielding face of nature to support human life
in the effort to live, and to live well, our own self-

To support all life, to be supported by all

This is the guiding spirit that underlies all of our choices
about the world we live in.

We know compassion is not our collective resource to
build weapons. We know that compassion and humanity can
work, and it works. We are called to be a people
in the spirit of compassion, justice and equality.

Taking the failure of dollars, the good people of this
country have decided to work together and in the future we want
to make this a time of the spirit of this nation.
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 Darvell
Box 1166
Hanalei, Hawaii 96714
Dear President Bush,

I am a Physician Assistant on Kauai and have dedicated myself to the health and well-being 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. Also—please support a world park in Antarctica!

Sincerely,

Sally J. More
Box 773
Kauai, Hi 96741

WR279

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 ES.

What a disappointment! I feel that the draft fell so short of addressing the numerous dangers that the STS 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.

Name: Leonie Onbancourt
Address: 6383 Makana Rd., Kapaau, HI 96746

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

WR278
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 opposed to the STARS program on Kauai, Hawaii. 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 cannot afford even a small accident. I oppose 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 to help feed humans.

Name: Patricia Moore
Address: 6383 Makana, 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 1500
Huntsville, Alabama 35807-3801

Name: Jesse Gonzales
Address: 6383 Makana, 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 1500
Huntsville, Alabama 35807-3801
Dear Sen. Inouye & Mr. Hallum,

My husband, daughter, and myself live in the island of Kauai.

I have been to the hearings on STAR Wars and wish to speak my truth as well. I strongly oppose the STAR Wars program on this island. I feel that the people who live on this remote island have the right to choose, as a democracy, whether we want such a program to exist or not. I support STARF and am sad that this issue has torn our community apart in that the workers at STARF must be fearful of their positions due to the STARS program.

I am grateful on the other hand to see the open forum and public interaction with the government that was created in response to this urgent situation.

Thank you,

Michelle Mein

1284 Kukia Hwy
Kapaau HI 96742
To Senator Inouye and Mr. Galvin:

To Whom it May Concern:

April 8, 1992

I strongly oppose the idea of the STAR WARS program on Kauai!

It is completely inappropriate for this island, for many reasons. As a member of this community, a supporter of PMRF, and a United States citizen, I urge you to put a stop to this idea.

Thank you.

Heidi Rhodes
231 Clouet St.
Kapaa, HI 96746
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Mr. Henry Cooper
Strategic Defense Initiative

Dear Mr. Cooper,

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 them. Each opponent to the project had his/her special reason for his/her 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 ISLAND, 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.

Lilian de Mello
6383 Makana Road
Kapaa - HI 96746

April 2, 1992

To: Senator Inouye

and

Deputy Commander
U.S. Army Strategic Defense
D.R. Gallien

Dear Sirs:

As a Mother and Businesswoman on Kauai's North Shore, I must express my strong feelings on the current "MaRo" issue.

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,

Lee Rohrer
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, we are under attack and need to defend ourselves. But the enemy is not the Russians, not the Middle East, not South Africa, etc., etc.
The enemy is within. Our quality of life here in Hawaii is under attack. The cause—the STARS system. We have heard how the propellant further depleted the already existing hole in the ozone. Now it is life threatening to wildlife within the lift off and landing areas. Now it involves transporting volatile liquid fuels, dumping of toxic chemicals into the atmosphere, including known carcinogens and toxics associated with Alzheimers disease.

And then we are told that these are small prices to pay in order to keep our missile range alive and well. It seems appropriate and necessary to look at this decision as one of National Security: which means protecting this country and its' people from anything threatening our economic well-being, our environment, natural resources, and the quality of life. The STARS program is threatening to us on many levels.

It is imperative that it does not proceed. And as part of this decision it becomes necessary to allay the fears of the people employed at the missile range. Diverting funds from this program into healthy programs supportive to the people whose jobs are threatened. Let us bring back peace and aloha to the hearts of this Island and remove the cause of separation. Remove STARS so that we may begin healing the rift it has created.

Name: T. Schield
Address: P.O. Box 674 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-ENV (D.R. Gallion)
P.O. Box 1500
Huntsville, Alabama 35807-3801

April 4, 1992
Kapaa, Hawaii

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 purpose of the project, including the economic argument in terms of jobs for PMR 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 Hiroaka
1761 Hanae Kamalii Apt
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 Mana must be stopped! Please do everything you can to stop the project.

This is a personal statement, but I know that hundreds -- if not 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, telephonings, 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 a 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 51,000 people call "home.”

Sincerely,

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 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. Noheii 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 Ebeye.

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 fictitious threats.

Sincerely,

Pamela J. Palma
P.O. Box 238
Hanaule\'i 75-9714

4/3/92

To Senator Inouye
and Mr. Gallien,

Please allow the island of Kauai to decide its own fate on the STMRs issue. No unelected official should be granted the power to decide such a crucial point.

Let the people of Kauai vote on this issue on referendum in November.
I feel convinced that democracy will send a clear message.

No MISSILES ON KAUAI

Thanks

Jim

P.O. Box 959
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.

WHY DO WE HAVE TO KILL EACH OTHER

SPEND THE BUDGET ON WELFARE

Name

Mark Peterson

Address

P.O. Box 1751
Kilauea, HI
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. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3001
Dear Senator Inouye and Mr. Gallien,

What one can assume through the USA's recent gloomy military history is that the USA has had all the practice it needs in the art of war. Simple showing up a tiny pacific island paradise for the last 30 yrs does not measure up to the lessons learned during the World War games performed by America's Musc everyday on CNN. It is apparent that once again our government is propagandizing to its constituents to believe in economic pipe dreams. Some how there are people on our island that think the future of our economy succeeds is dependent on the success of the STARS program personally I see an end in sight for all PMRF operations unless they're taught to do something more productive then throwing up tiny majestic coral communities throughout the world. Please don't hear these missiles on KAUAI.

Sincerely,

Glenn Katsahara
Dear Senator Lange,

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 losing 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 such as finances and manpower. Some of these areas are education and cleaning up the environment. We must all learn to work together, globally to improve our way of life. Thank you.

Sincerely,

Alfred J. Petrich

ALFRED J. PETRICH
P.O. BOX 79
KAUAI HAN, HAWAII 96733
TO WHOM MAY CONCERN:
I support PMRF

NOT STAR WARS

Sincerely,

Nicole A. Bailey
Nicole A. Bailey
P.O. Box 738
Kilauea HI 96754
(808) 828-1227

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 summary dismissal of many issues as "small risk," "unlikely," "ill-considered" or "irrelevant," "no impacts anticipated," 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 is the U.S. 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 is to be sculptured or defiled in the name of national security. We should take into account the delicate social and spiritual fabric of the community until we have weighed very seriously the potential outcomes.

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: CSSO-EN-IV (D.R. Callien)
P.O. Box 1500
Huntsville, Alabama 35807-3801
To: William Claytor, Concern

The support that I don't support. This unit

Renee Turner
P.O. Box 969
Kapaa, Kauai, Hawaii 96746
808-826-6846

4-5-92

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 leaves unanswered questions on the usage of STARS. My biggest environmental (plus economic) concern is the potential for a disastrous incident to the good people in defense of the ozone-layer. The transport of rocket fuel - is this done in a manner that is also of concern.

Yet, there is an even larger issue the STARS program faces: we face at the Hawaiian culture. It takes centures to grow, but in the land the spirit of Aloha is 'no ma'a'you can not be measured. I've lived in Hawaii for 63 years now. I know - that spirit. This is especially true in Hawaiian culture.

Renee, since she is relatively unspoken, compared to others (mainly STARS does not belong here.

Name: Marilyn Apell
Address: P.O. Box 969

City/State/Zip Code: Hilo, Hawaii 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
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 15 December, 1993, and was very pleased to observe the interest and enthusiasm that attendees showed in the project. The Strategic Target System is an important and necessary component of our national defense system. It is vital that we maintain a strong and responsive military force to protect our nation against potential threats.

The project is well-planned and has undergone thorough environmental impact assessments. The construction and operation of the Strategic Target System will have minimal impact on the environment and will not adversely affect nearby communities. I support the project and hope it will be implemented as soon as possible.

Name: John Doe
Address: 123 Main St., Washington, DC 20001

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 seeks peace in the world pursued by constructive means rather than by destructive ones. Thank you.

Michael J. Duitt
4-10-92

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 Saboniano

FRANCISCO SABONIANO

P.O. BOX 52
HANAMANALU, HI
96715

13 April 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSD-EN-V (D.R. Gallien)
PO Box 1500
Huntsville, AL 35807-3601

RE: SDI Launches on the Island of Kauai

Dear Sirs,

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
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!"

I am sending this note to protest any further appropriations or development for the Strategic Target System from this island of Kauai.

Continuing these military efforts destabilizes the political, economic, psychological, and physical safety and security of the people of this island and of this country. Please stop.

Name: Lawrence Almendrez
Address: 2901 dawn lane, anna, CT 0621

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (Dr. Gallien)
P.O. Box 1500
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.

With the demise of the USSR, MAD (mutual assured destruction) is no longer needed, let it serve now as a part of our national defense.

An adequate defense against a few missiles from an international ormad can be achieved via a limited number of satellite-launched, ground-based, or space-based defense systems. We must stop all additional and extremely excessive defense expenditures. The money should instead be spent on an endeavor that will truly result in increased security for America and other developed countries of the world: a peaceful multinational effort to quickly reverse through a society of approaches the world's burgeoning population growth and to expand programs aimed at helping underdeveloped countries to feed their people. Only when the hunger issues have been resolved will we be truly secure.

Name: Crafton, G. A. 1ST CT
Address: 2120 kokea pl. honolulu, HI 96818

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (Dr. 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.

We have many pressing national needs for which money currently used for defense should be spent. Permanent among these are education & infrastructure improvements. Defense workers dispersed by a re-allocation of federal funds could be retained were absorbed in the infrastructure improvement effort.

A local factor that would cause an adverse environmental impact from STARs basements is that by modernizing the prevailing tunnels descent and reverse direction, hearing is relieved in a western direction which would blow any exhaust from tunnels right into Kilohana State Park impacting park users. If tunnels were made at right angles to avoid this problem from the winds, the beauty of the park's right users would be ruined.

Stop excessive & dubious defense expenditure that defense money to important personnel (and ultimately national security) uses and, along the way, allow us to preserve our very special beaches for all to enjoy.

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.K. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Sincerely,
[Signature]

Celebration of 150th Anniversary of Public Education in Hawaii
(1990-1991) "On Wings of Discovery"
Ko Hula Me Aloha
April 5, 1992

To: Mrs. Randy Gallien
From: M.J. Gainer
2811 Kapama St.
Haiku, HI 96716
Re: Nuclear testing on Maui

I am strongly opposed to the proposed Star Kave project on Maui or anywhere else in Hawaii because of the potential damage, the ecological damage, the hideous appearance of the project, and the exorbitant waste of taxpayers' money. The whole thing is illegal!
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.

Francis Fitzgerald

Name ____________________________
Address __________________________

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 am so upset by the idea of missiles on this beautiful island of Kauai. My husband and I have just gotten up all our attachments back home in Massachusetts and are moving to Kauai to live. It is so disturbing to me and my family to have missiles that are the island.

Thank you for hearing my plea.

Name ____________________________
Address __________________________

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

9674
My name is H.E. I work with Allied Indians, an international coalition of reducing research groups. I am presently on local working in an affiliation with the hoopoe whale research group Line. Some of the data from this project was presented earlier tonight. I'd like to take the opportunity to point out some inadequacies of research data in the EIS statement regarding endangered marine mammal species.

An important issue that has not been addressed is the lack of any citation of potential effects on hoopoe whale mother/calf pairs. Recent research has demonstrated that mother/calf pairs are especially susceptible to human-related disturbance. Since whale calves prefer very near-shore, shallow water, usually less than 10 feet deep, it would seem very likely that disturbances related to stake and negatively impact this vulnerable group. Our research indicates sightings of H/C pairs will increase our data showing that over 50% of H/C pairs sighted have been in the PIFER area.

Examples of impact include effects from boat activity related to clearing the shipping Safety Zone or transport of field-related chemicals via boat for fieldcraft.

Aging from one hundred, I have concern over the lack of awareness on the part of the military in regard to federal laws and regulations regarding marine mammals.

Our study site extends from Alabina Pt. to Alabina Point. From 1991 to 1992, we observed 644 sightings of whales in this area. 392, or greater than 60%, have been in the PIFER area, even though we specified this.

As we approach in the PIFER area, I understand there is a greater concentration of whales in the selected impact zone. Essentially, if the Army maintains its proposed mitigation to delay

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Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.E. Gallien)
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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.

Please don't come and see the missiles

on Kauai, Kauai, and the Marshal Islands,

where the missiles would be hitting. Very

special places to many people. Please think

about what I'm saying.

This land doesn't belong to us. We should

be leaving it from our children.

I want to Kauai to be unique, grow up not

let's keep it that way.

Lawrence Kauai (11 years old)

Name

Address
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 the 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 Koichi.

(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 Kekaha. None of the concerns identified and described in that briefing were addressed in the draft EIS, except to be listed in the summary of scoping issues. We remind you that NEPA policy states that it is a responsibility of the Federal Government to "preserve important historic, cultural, and natural aspects of our national heritage, and maintain, wherever 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 ahupua'a of Waimea, Kaua'i.

In order to protect the indigenous Hawaiian culture for future generations, the Hawai'i State Constitution and the Hawai'i 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 Hawai'i 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 ahupua'a tenants 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 Hawai'i Revised Statutes, Chapter 7-1 defines rights of the people which were established in 1853 when Kuleana Act granted private property parcels to the common people. It reads as follows:

Where the landlords have obtained, or may hereafter obtain, alodial titles to their lands, the people on each of their lands shall not be deprived of the right to take firewood, house-timber, aho cord, thatch, or ki leaf, from the land on which they live, for their own private use, but they shall not have a right to take such articles to sell 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, 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 Hawai'i Revised Statutes deals with conservation and resources. Part (c) reads as follows:

(c) Traditional and customary rights of ahupua'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 hihiwai, opae, o'opu, limu, thatch, ti leaf, aho 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 Koke'e, Kekaha and Wai'alae ditch systems which are located on Hawaiian Home Lands and ceded public lands. Increased use of the water would negatively impact on Native Hawaiian utilization of the water for settlement on Hawaiian Home Lands and upon utilization of the ceded public lands. The Hawai'i Water Plan states that the Kekaha 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 Kekaha area. However, the study is limited in scope, and no action is being contemplated to relieve the stress influenced on the aquifers 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, alena, 'ak'ak'i, 'akoko, akulikuli, hi'aloa, hinahina kakahai, huna kai, 'ilima, kauna'oa, mu'u 'ak'ak'i, naupaka, po'hina, po'ohuhea, and pua'u hi'aka. It only mentions the presence of puapa'a moa (adder's tongue) and 'ohai. While these plants are not on the
Hawai'i state endangered list because varieties of these plants occur elsewhere, the varieties on Kaua'i are unique and diminishing. In addition, most of the plants that are not mentioned in the impact statement have medicinal qualities which have not been identified. The extent to which these plants are gathered for medicinal uses by Native Hawaiians of the district was not surveyed. The impact of developing STARS in their ecosystem is not assessed. The impact of limited access for the gathering of these plants was not assessed.

In 1991, the Hawai'i State Department of Land and Natural Resources, the U.S. Fish and Wildlife Service, and The Nature Conservancy of Hawai'i issued a report on the status of Hawai'i's natural heritage called "Hawai'i's Extinction Crisis: A Call to Action." It reported that as of September 1, 1991, 18% of the U.S. Endangered Species list are Hawaiian species. The last remnants of Hawaiian coastal plant communities are on the most remote and arid shores and 90% of the lowland plains once forested by sandalwood and other unique dry forests, have been destroyed. Mana, particularly the Nohili Dune, on Kaua'i is one of the remote areas for Hawaiian coastal plant communities. In light of these conditions, protection of the habitat for the coastal native plants at Mana is a major concern.

B. The assessment of native plants did not include a listing of any seaweeds; a survey of the extent to which they are gathered in the project area for subsistence, cultural, religious, or medicinal uses; nor the impact of STARS on the growth of these seaweeds and availability for gathering by Native Hawaiians for traditional and customary uses.

C. The report acknowledges that the County of Kaua'i has designated the dune area on PMRF as ecologically important, with a well-developed native strand community. It also acknowledges that the State of Hawai'i has designated the sand dunes as a sensitive habitat. Nevertheless the report asserts that the dunes will not be impacted. However, it does not cite any authoritative source or studies to confirm that assertion.

4. Native Fauna

The report just discusses the impact of STARS on selected endangered birds, humpback whales, the Hawaiian Monk Seal, the green sea turtle, and the Hawaiian hoary bat. It does not provide any information or inventory of types of fish and marine life gathered and caught on the reefs and in the offshore waters. The extent to which the community relies upon the fish and other marine life for subsistence, cultural and religious purposes; and the impact that STARS will have on fishing is not addressed.

The primary fishing season (April through September) coincides with the nesting season for the endangered green sea turtle (May through August), protected under the Endangered Species Act. The season also roughly coincides with the breeding season for the Newell's Shearwater (April to November).

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 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 Kawaiule 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 orders 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-Waima, 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 annual 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-Waima. The 'ohana system of exchange and sharing of foods caught and gathered would be disrupted. The diet of the families will suffer. 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. During 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 showers, 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 determination on 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 assessed and that uses in the area would not negatively impact the historic and cultural sites and use areas.

Nohili Coalition Critique of STARS draft EIS / 4
The study refers to a report written by Flores and Kaohi 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-a-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 Limahuli that Mana is famous for. The sacred nature of the area known as leina-a-ka-uhane is acknowledged in the EIS.

Trails in the site must be identified and protected. Hawai‘i state laws required that traditional trails be maintained and access along those trails be provided.

The EIS states, "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.

Kamaina witnesses can verify that the area is also important for subsistence fishing and that there are fishing ko‘a 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 ocean utilized for subsistence should be nominated and protected 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.

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 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."

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.

Adjacent 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 of the 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.

In addition, an assessment of the economic impact of restricted uses of the adjacent ceded 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 ahupua'a of Waimial - from Koke'e down to the ocean - is Crown Land. Most of Hawai'i's ahupua'a (land divisions running from the uplands to the sea) already are developed, fragmented and heavily used. But the ahupua'a at Mana is special for two reasons: it's 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 ahupua'a, which are traditional land divisions, will become valuable cultural components of the Hawaiian nation. Since most of the ahupua'a are already developed with resorts, government buildings and other uses that will be hard to move, the undeveloped ahupua'a become even more precious for restoration of the Hawaiian culture. As the Hawaiian people move toward achieving formal recognition of sovereignty, the ahupua'a of Waimial, the largest single ahupua'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 ceded lands which would negatively impact upon the ceded 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 Socio-Economic 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 Waimial-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 Disaster 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 ceded lands changes after the expiration of the Kekaha Sugar lease; (2) if the Hawaiian Home Lands are settled; (3) if the adjacent ceded 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 kind 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 ceded public lands trust and the Office of Hawaiian Affairs which receives 20 percent of the revenues generated from ceded 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 Waimial.

(14) Rainforests

Acid rain and catastrophic launches could threaten lowland to upland Koke'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 Waima-Kekaha 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
CSBD-EN-V (D. R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Subject: PUBLIC COMMENT ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT

My name is Eugene Henrique and I am a lifelong resident of Kauai. I have worked at the Pacific Missile Range Facility (PMRF) for the past 12 years, and am 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 scoping as the STARS program. I felt all along that the Environmental 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 when 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 most estimates a crowd of no more than 900 people showed up to listen and testify. The center holds over 1100 people quite comfortably, of the 900 or so there, it was readily apparent that more than 50 percent of these people wore yellow shirts symbolizing support for the STARS program, in addition to these people, there were numerous people not 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 islands' 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 49,000 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 results as equivalent to a similar event involving the Polaris booster.
Another example is the sudden discovery of those poor unfortunate souls on Ebeye by STARS 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 STARS 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 throughout 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,

Eugene Horne

January/February 1990 $2.00 MAGAZINE

SPECIAL REPORT

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**Cover**

- Ebeye Atoll in the Republic of the Marshall Islands has a bright future ahead of it.

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**Special Report: The Reconstruction of Ebeye**

An aerial view of Ebeye Atoll in the Marshall Islands.

**Ebeye: From Pacific Slum to Isle Showcase**

by Giff Johnson

Ebeye: First-time visitors to Ebeye are usually taken aback by the overcrowding, dilapidated homes, and the army of children running wild on the island. But long-time residents just shake their heads and smile, because they know what Ebeye used to be like.

Ebeye has come a long way, with marked improvements in power, water, garbage pickup, a sewer system, and roads since 1968. But it has a long way to go before it will be a healthy environment for people, particularly children, to live in. A planned containerway, linking Ebeye with the atolls to the north, will open the door for serious redevelopment of Ebeye and neighboring islands. Now, with infrastructure development in place, there is an optimistic—almost euphoric—mood among the leadership of Kwajalein that their island could be a model for development in the Pacific region.

**30—January/February 1990**

- homes, without decent health care or sanitation facilities.

By the mid-1960s, Ebeye deserved its labels as a "biological time-bomb that could go off at any time," and the "slum of the Pacific." Indeed, United Nations Visiting Missions and Congressional representatives repeatedly criticized the deplorable social and health conditions on the island. The sluice-like was sharply accelerated by Kwajalein Island's crowded country club atmosphere, where 3,000 Americans lived and worked for the Army. While Ebeye had nothing—no medical supplies, a hospital that flooded 8,000 people—predominantly children—on a lump of coral barely one-tenth of a square mile in size.

With no local authority to take charge of development, the island was caught between the intransigence of a distant U.S. Trust Territory bureaucracy in Saipan, and a hostile military command three miles away at Kwajalein. Finally, the Army concluded that Ebeye was the civilian Trust Territory Government's responsibility, while the Trust Territory's attitude was that since Ebeye was in the Army's backyard, the Army should deal with Ebeye problems.
Examples of this attitude abound. The lack of health and sanitation facilities was one cause of Ebeve's problems. Dr. William Vitale, the American Health Commissioner's representative on Ebeve from 1967 to 1969, reported: "We were having a gastrointestinal epidemic on Ebeve. I had traveled with the army colonel from the Kwajelin Missile Range across the lagoon, who was in charge of building the water catchment system, to cover the catchment tanks. I feared they would become contaminated with the fifth of Ebeve. He refused. We offered to build new covers ourselves if the Army would only pro-

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the materials. Again he refused. Then the epidemic came, which killed the majority. We were unable to trace the disease because of overcrowded conditions and contamination by flies.

During the diarrhoeal outbreak, Dr. Vitale said: "The Ebeve hospital ran out of intravenous fluids needed to save the lives of many of the island's children. The Colonel, severely dehydrated from profuse vomiting and diarrhoea, took a malarial child, who was very ill, and put her on a skiff and motored four miles to

Kwajalin to take her to the Kwajalin hospital for treatment. "We were stopped at the beach by an American guard, who would not let the child enter the island... The Marshallines nurse pleaded with the guard that the child was dying and she could not receive appropriate treatment on Ebeve. The guard did not permit the child onto the island. She died on her way back to Ebeve. Five children died during the epidemic."

Eight years later, little had changed. Dr. Konrad Kreutzer, a physician for the U.S. Brookhaven National Laboratory, told a U.S. Congressional committee investigating problems on Ebeve in 1975: "The picture I would like to paint for Kwajalin regarding Ebeve's health care present agreement between the Trust Territory and Kwajalin states that the Kwajalin hospital is only to be used in an emergency. There is no health care for the Kwajalin people unless they go to the Kwajalin hospital."

Not surprisingly, Kwajalin landowners began objecting to the lack of action on freezing problems on Ebeve. When their requests for action were ignored, landowners began a series of "ail-in" protests to restricted islands in the south as an effort to peacefully disrupt missile testing and force the Army and Trust Territory to provide health care to the Kwajalin people. The Kwajalin people felt that nobody was being taken care of in the central part of Kwajalin's lagoon, known as the "mid-..."
Special Report: ‘The Reconstruction of Ebeye’

Isle Showcase...

(Continued from page 32)

KADA and the local government had been key partners. The scars of the Kwajalein protests—during which the Marshall Islands Government was obligated to side with the U.S. because of lease agreements—take many years to heal.

But as Kwajalein leaders' interests tumbled from protests to development programs and consensus with the Army, the attitude of the national government changed to one of increasing support for local initiatives.

After an initial period of a total Army cut-off of services in response to the 1982 protests, the Army launched a self-styled “good neighbor” policy towards Ebeye, which has resulted in cooperation with the local government and the development authority on a variety of projects. “When the Army cut off free access to Ebeye, Ebeye people were upset,” said Bill Beazell, a longtime Ebeye resident and the controller at Triple J Wholesale. “But it forced people to build their own facilities. The people

New and much improved homes are being built on Ebeye. Above is Artjo Kalaha’s home under construction.

were cast off on their own, and now they have their own identity. “600 people have lived here when nobody in their right mind would set foot here. They toughed it out and now things are getting better.”

Though it will take many years before Ebeye is considered a “nice” place to live, the island is now on a positive course. The local government and the development authority get the real credit for the changes that are rapidly transforming Ebeye and nearby islands. They are gaining increasing support from the

(Continued on page 39)

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Isle Showcase...

(Continued from page 34)

national government, the Army and U.S. agencies.

But it is their deep-seatedness that is trapping benefits for the community. Everyone said Ebeye had to improve, yet without the local control and leadership that the two agencies have given, it is doubtful that Ebeye would have seen the dramatic development changes of the past six years.

KADA: A Team That’s Reshaped Kwajalein Atoll

by Giff Johnston

The Kwajalein Atoll Development Authority (KADA), working closely with the local government, has forged a successful team of planners, architects, engineers and construction companies to reshape the atoll. The development authority is run by Marshall Islanders who have brought in outside experts to nurture their ideas and plan to fruition.

Senator Inata Kabua, the most powerful man [chief] on Ebeye and a close relative and political ally of President Amata Kabua, is chairman of the KADA board. He is joined by other landowners and Marshall Islands Government representatives. KADA’s executive commit-

tee of chairmen Justin deBruyn, the government’s liaison officer to the Kwajalein Army Base, Alvin Jacklick, Ebeye’s mayor, and Fountain Ink, a prominent local businessman, have proved effective in spreading work along. Jehan Rikihon oversees the day-to-day ac-

A new causeway will soon connect Ebeye and Gurugu Islands.

KADA has attracted substantial financial support from the U.S. Congress and numerous federal agencies, and backing from the Marshall Islands Government. Its network now extends to Washington, D.C., Frank Solonono, a former senior Department official, assists KADA by lobbying on “The Hill.” A presence in Washington has proved crucial to gain-

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Special Report: The Reconstruction of Ebeye

KADA Team...
(Continued from page 30)

ing the ear of federal agencies and the Congress, say KADA officials.

Other outside staff include attorney Scott Stege, based in Majuro, who handles
most of the Authority's legal matters, and Hawaii-based architect Carter Howse,
not only develops and oversees the blueprints for nearly all KADA construction
projects, he also provides a link with federal agencies and the numerous en-
gineering and construction firms that KADA deals with.

On-island, American Max Howard, an electrical engineer by trade, supervises
all construction on the atoll to ensure it meets building specifications. Working
with him are building inspectors August

KADA officials credit International
Bridge Construction Co. (IBC)—the
only construction company based on
Ebeye—with timely and quality work.
Though other companies, such as MCC,
Microcon and United Atoll Builders, are active on Ebeye, IBC has maintained
a presence even during slack construc-
tion periods, providing needed assistance
with small projects and maintenance
programs, said KADA officials.

David Blake and Kj Riisom keep track
of KADA's $18 million to $10 million
annual budget, while Roseann Jackson
manages the office on Ebeye.

KADA has benefited from the in-
ternational labor, and the results are evident, from Ebeye to Guergueg Island.

KADA Leads Kwajalein Atoll Revitalization

by Cliff Johansen

"Five years ago, Ebeye was not a viable community," said Max Howard, the
Kwajalein Atoll Development Authority's construction supervisor and
a resident of Kwajalein Atoll since the late 1970s. "The sewers didn't work, the
power was off 40 percent of the time.

KADA has invested in energy and infrastructure improvements that have
transformed the island.

This is the result of the redevelopment plan in other areas. A turning point
for Ebeye occurred when Tropical Storm Roy swept the low-lying island with 40-
mile-an-hour winds and 20-foot waves in January 1988. The day after the storm,
1,350 were homeless and the houses on the ocean side were little more than piles
of rubble. The immediate tragedy of the storm turned into a golden opportunity
that KADA did not waste.

KADA and the local government

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Congratulations to the people of Ebeye.

Marshall Islands Maritime Authority

Gugueg, a previously uninhabited is-

land. The Army has agreed to re-

The reconstruction scheme was con-

ceived six years ago, lack of funding has

resulted in delays. In late 1991, the Marshall Islands Government elevated the project
to a priority request for Japanese aid as-
sistance. KADA officials believe that if
Japan takes on the project, it could be
completed in two years.

But an unsteady causeway has not

measurably slowed the redevelopment

plan in other areas. A turning point

for Ebeye occurred when Tropical Storm

Roy swept the low-lying island with 40-
mile-an-hour winds and 20-foot waves

in January 1988. The day after the storm,

became as the linchpin in the plan since

MCC is providing construction management services for the new $3.5 million
Ebeye Port Facility, Ebeye, Kwajalein, Marshall Islands due to complete in
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Kwajalein Revitalization... (Continued from page 41)

Kwajalein Revitalization... (Continued from page 41)

Ebeve or the Kwajalein base until the new community is built. We can drive to Ebeve. An elementary school, dispensary, and water treatment facilities are all part of the new Gugueg community, which, with its roads and sidewalks, resembles a neighborhood out of a California subdivision.

Eventually, said Hawpe, the island could accommodate 2,000 people. KADA officials point with some pride to Gugueg as a model for future development. It’s the first planned urban community in the Marshall Islands, and probably one of the first in the region. The solution to Ebeve’s overcrowding, said Hawpe, is to not eliminate the population but to control development.

And Gugueg affords KADA and the Kwajalein Atoll local government the opportunity to do just that.

A second turning point last July saw the major landowners of Ebeve sign a lease granting more than 75 percent of Ebeve’s land to KADA. It will pave the way for KADA’s plan to disperse the population, establish commercial zones, expand recreational facilities and build the island’s first public high school.

“Before the July lease signing,” said KADA executive director Johan Rikken, “it was seen as a reality that Ebeve was to be piece by piece. Now the landowners have given KADA the okay for development. Our objective is to remodel Ebeve.”

With the Ebeve lease in hand, KADA has the power to move from the drawing boards to the streets of Ebeve. “We’re at a fork in the road,” said Howard. “Up to now, we’ve been establishing infrastructure for the future: roads, sewers, power, plant, dock. Now we can think about other economic projects that will perpetuate themselves.”

There are noticeable changes in people’s perceptions of Ebeve. Observed Hawpe: “During the last six months, there has been a change in attitude. People are getting more involved, helping us to repair their homes, and expanding business. They want to expand and are currently buying or leasing larger buildings.”

Describing Ebeve’s dense housing, one resident said: “I can spin into my neighbor’s kitchen.”

By contrast, the new FEMA-funded duplexes have been built with such much open space around them that it prompted one American construction worker to ask: “KADA why it didn’t fill space around the houses. The sidewalks around the houses are designed specifically to accommodate additional space for large families, said KADA officials. Indeed, KADA landfills work has already added about 10 acres to the small island, a land area expansion of 15 percent. The doors of rhachem hands with your neighbors may be coming to an end for Ebeve.

KADA building inspector Augustine Fishburn, right, discusses the Gugueg housing project with KADA construction supervisor Max Howard and PRC Construction supervisor Scott Reid.

Kwajalein Revitalization... (Continued from page 41)

Local Kwajalein Government ‘Takes Charge’

by Cliff Johnson

“People said we were just a bunch of young idealists trying to overthrow the government and the Army. They were wrong then and they’re wrong now,” said Kwajalein Atoll Mayor Alvin Jacklick of his six-year-old local government.

Congress and FBI investigators buzz in the background as Jacklick, in his stylish second-story office which overlooks Ebeve’s new power/revitalization project, says, “We’re trying to build the local government and in staff of 125. Jacklick’s and the local government’s role to power it all the more manageable in light of the impossible conditions in which it began.

Ebeve’s first local government was elected in 1995 and inaugurated in July of that year. There was no budget, no building, just problems: streets littered with garbage, freshwater shortages and a poorly maintained hospital. “We were like hippies without drugs,” said Jacklick, who was the local government’s infancy. There were just two of them: Jacklick and Jonas Mane—also, like Jacklick, were young, wore their hair long and weren’t afraid to speak their minds.

“KALGW, as the local government is known, first tackled the garbage pickup problem, some bringing it under control by employing 15-foot-long trailers which were hauled to strategic parts of the island. People would deposit their trash in the trailers and once a month a KALGW truck would pick up the trailer, load it into the dump and return it empty to the same spot.

An KALGW was getting feet on the ground, there was more than a little friction with the national government in Majuro. The KALGW style was direct, and while it was bringing results on Ebeve, it frequently went against the power structure in Majuro. Jacklick believed that Ebeve had waited too long for action. and he was determined to turn the national government’s attention to Ebeve’s problems.

KALGW took a big jump in 1996 when, after more than a year of local government, it took over responsibility for Ebeve’s Public Works operation and its more than 50 employees. Jacklick’s complaint that Public Works employees didn’t perform because they had no budget was in Majuro. Local council have obviously boosted morale and productivity. Now, Public Works is one of the best and most reliable of any. This has gained the island government a new status in Majuro, where the public works is seen to be the envy of others in Majuro.

The local government works hand-in-hand with the Kwajalein Atoll Development Authority. When a KADA construction or infrastructure project is completed, it is turned over to the local government for operation and maintenance. KALGW is in charge of enforcing ordinances relating to buildings and streets, and handles all utility collections. Jacklick credits Jeadrik and Manie—his right- and left-hand men—with the local government’s success.

“Without Alvin and Jonas, KALGW wouldn’t be what it is now,” said Jacklick. “These guys worked for the people of Ebeve for half years without a regular salary. Things were
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KALGov 'Takes Charge'...
(Continued from page 43)

Americans from Kwajalein had been arrested. Jedlick said that the new operation had been mounted because "a lot of parents complained that kids went into bars by the owners."

Enforcement of ordinances also brings substantial amounts of revenue into local government coffers. KALGov is still having difficulty, however, collecting water and electric payments more than two years after the billing system was started. Residents were conditioned during Trust Territory days to receiving all public services free of charge. Breaking the habit is proving troublesome, though the situation is gradually improving, said Jedlick and Jedlick.

Regularly scheduled garbage pick up by local government workers has dramatically improved sanitation on the overcrowded island.

A minor incident at the local government recently underscored in an amusing yet instructive way the changes that have occurred on the island. One day in August, a KALGov payroll computer "hopped," prompting finance officer Julius Rillen to shake his head and work overtime to recover the financial records.

Ten years ago, when the biggest complaint was that the toilets and sewers didn't work, few people had accessible telephones, let alone computers. There are still problems on the island, but Ebeye and KALGov have come a long way in a few short years.

Jedlick is now seeking the transfer of functions to KALGov of the ministries of Education and Health Services. KALGov's record with Public Works and other activities demonstrates it is capable of handling the increased responsibility, he said. "Everyone said we were 'poison fish.' But the poison fish have turned Ebeye around," said Jack-lick.

Local government finance official Julius Rillen plans to replace the computerized payroll checks for KALGov employees.

Ebeye's combination power and desalination plant has the capacity to produce up to 300,000 gallons of fresh water daily.

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(Continued on page 46)

Ebine City Manager Abon Jedlick oversees the local government's multi-million-dollar budget, enforcement ordinances and government services.

We carry more than just cargo. We carry a tradition.
Special Report: The Reconstruction of Ebeve

Marshallese See Opportunity on Kwajalein

by Giff Johnson

Senior Marshall Islanders at the Kwajalein Missile Range say that opportunities for Marshall Islanders to advance have greatly improved during the past two years. Close to 1,000 Marshall Islanders now work on Kwajalein, the largest U.S. military base in the world.

"There are many opportunities and benefits, and there are more opportunities available for Marshall Islanders," said a Kwajalein local, who requested anonymity. "We have worked on Kwajalein for more than 20 years.

Opportunity... (Continued from page 47)

Paul Patrick is the Personnel Administrator for Pan American World Services, the logistics contractor for the base.

Ebeve's 'Inner City' Keeps Growing

by Giff Johnson

Ebeve's inner city is expected to grow by more than 50 percent in the next 10 years, according to a recent study. The rapid growth is expected to continue for the next several years, with the city's population projected to reach 30,000 by 2030.

Recreation facilities and programs are limited, particularly since the city's budget is limited. Despite this, the city's parks and playgrounds are well-maintained and popular among residents.

Ebeve is a vibrant community with a strong sense of identity and culture. The local government is working to improve infrastructure and services to meet the needs of the growing population.}

Using available resources, some Ebeve kids enjoy a game of ping pong.
Missiles Play Major Role in Local Economy

by Cliff Johnson

Early 1960s will bring the first field tests at Kwajalein of space weapons in the Strategic Defense Initiative (Star Wars). Through the Star Wars Program has resulted in an investment at Kwajalein of hundreds of millions of dollars for radar and launch sites, and housing for American workers. Missile defense work is nothing new to the Marshall Islands. Since the early 1960s, Kwajalein has seen a "bullseye" for missiles launched from Vandenberg Air Force Base in California. The Minuteman, Trident and MX missiles have all been developed and tested at Kwajalein.

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Missile Range...

(Continued from page 49)

Each launch has been used as a "target of opportunity," to test the Navy's three-ship formation tactics for developing radar tracking and intercept capabilities that have provided the underpinning for what is now known as the Strategic Defense Initiative. Kwajalein is the United States' only long-range missile testing site, and will be at center stage for testing the new generation of space weapons. The $2 billion facility would be difficult or impossible to duplicate elsewhere, according to the Defense Department. Kwajalein's two-stage island configuration is the only island capable of launching the solid fuel rockets used in the Defense Department's test launches.

Not surprisingly, missile range (formally known as U.S. Army Kwajalein Airfield) plays a major role in the economy of the Marshall Islands. According to Army estimates, Kwajalein accounts for an injection of $23 million annually into the Marshall Islands, through land compensation payments, development assistance, wages, and local support contracts.

Col. Philip Harris, Kwajalein Commanding Officer.

The ALTAR radar at Rot-Namur in Enewetok's most powerful.

Employees line up to work past one of the many radar installations on Kwajalein.

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Ebay residents have money to spend

by Giff Johnson

Companies are keen to do business on Ebay because residents have what they call "buying power." The island has an extraordinarily high per capita income—in part from salaries of Kwajalein workers—but do away with custom payments to land oweners. About $6 million a year is paid to 80 senior landowners for rental of the Kwajalein Mili- ngle. The rental fee is no longer disputed, but the distribution of those funds among the landowners on Ebay is a continuing—albeit public—concern. What attracts the businesses—the hand cash of rental payments—could prove a troublesome issue in the years ahead.

In the early 1990s, when the land rental payments soared into the millions, the Kwajalein Air Corp—the major organization of landowners—employed a system of per capita payments that assur- ed each of the roughly 5,000 Kwajalein landowners an allotment, irrespective of their land holdings or production. Through three quarterly payments were relatively small, the plan was used as a collateral for obtaining bank loans and allowed Kwajalins residents to have more health insurance. All that is history.

Dispute among the landowners and within the Marshall Islands Government resulted in the demise of the once-power- ful Kwajalein Air Corp. Now, land rental payments are divided into three equal portions: 50%, 25%, and 25% by the three classes of Marshall Islands landowners. There are four of each (A, B, C, and D) that receive one-third of the $50 million, and about $25 million and senior dis-burderb that divide the remaining amount. The rental payments are now distributed according to the sharing among land- owners. New have bridled when it has been publicly suggested that money isn't being distributed equally to all the members of the class. A U.S. Congress report three years ago, however, was nothing in its criticism of the lack of a payment mea- sure.

Competition among retailers has brought better prices and a larger selection of goods to Ebay.

RRE looks at multi-million Ss expansion

by Giff Johnson

Robert Reemer Enterprises (RRE), the largest locally-owned business on the Marshall Islands, has begun the "big business" on Ebay since it opened in 1976. RRE's unique space limitations have forced RRE to develop in four separate store locations on Ebay.

But the company would like to develop a shopping mall similar to the one which is at the heart of Majuro's Business District. The company would like to build a shopping center, including an Ace Hardware, a grocery and a retail store and a bank. Food service with a total of about 20,000 square feet. Its current grocery facility is located at 5,000 square feet, with no room for expansion, because of the packed housing conditions.

Like Gibson's officials, Francis and Ramsey Reemer said they look forward to competition between the two large stores. "It's in the interests of the community to have more than one large store," said Francis, who oversees the Majuro wholesale and retail operation. "Now," said Ramsey Reemer, RRE's chief executive officer, "the Ebay competition is in the beginning stages."

(Continued on page 56)

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RRE expansion..." continuation..." is a shopping center. ERE" began a small expansion this past Sep- tember. The fast-fooding items at RRE are take-out, ice cream, and local foods, which are available. To get the fast-food food into a more visible location, RRE is building a "desk" that will open directly onto Ebay's main road, where it is bound to get more foot traffic.

But RRE's Eagle's facility is old and running-worried, compared to its spar- kling new commercial complex in Majuro. Ramsey explains that "until the expansion plans are realized, we can't speed up much (money) in the facility." It is uncertain at this point whether RRE will expand on its current lot, which is close to the duck, or that it will move to a different area.

Despite the uncertainty surrounding the expansion, ERE's Grocery Manager Bob Jones noted that people's eating habits are changing, and that they are finding more people wanting to go out to eat. He is selling more food produce than ever before. "As I said that in the past, the ERE store just sold frozen chickens and turkeys, but now people want a whole selection of steaks, bacon and sigma burgers. They are trying to live healthier and are leaving the freezer and cooler space in the crammed facility to meet the demand."

Space on Ebay's 50,000 square foot property will ease this problem. Robert ERE's manager James Kabea points out that "in the new facility, we have the space to house a specialty generate- tor in the case the power goes out, although he said the power is now extremely reli- able. The new facility will make it the island's new power plant in 1987."

Francis Reemer said that the company is planning to expand ideas of the Kwajalein Development Authority, which is over- seeing the development of the island. "We'd like to get the business community together to help with the development plans," he said.

The Akua store does a lot of business people should not limit their thinking to Ebay. Instead, they should look at opportunities elsewhere in the Marshall Islands communities at Ebon and Majuro in western corner of the island, and the American community at Ro-

Robert Reemer enterprises in the Marshall Islands is one of the largest businesses on Ebay.

Robert Reemer is new officially retired, leaving the day-to-day opera- tion to his son and daughter, and some of Americans and New Zealand managers. Most days, he can be found wandering through the stores chatting with employees, or socializing with friends outside the post office or the ERE "deocr" over a cup of coffee. Reemers, in his modest, low-key way, says, "I like to make friends with people. That's my way of life." And a manner that has made the business a success story.

Robert Reemer got his start in business shortly after the end of World War II, when the U.S. Navy bought to Ebay in 1947. He opened a boat and maintenance shop for the outer lying islands. He built the shop up from a small store to a major selling post for retail business for islands in the area, and an inshore store in the center of Ebbon...

(Continued on page 56)

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Previously not available on Majuro, “I brought in cosmetics, perfume and other things from Hawaii,” he says. His experience working at a large importing company on Waimea Island before the war taught him what Marshallers like to buy, he says.

In the early 1960s, Reimers moved the store to Uliga, its present location. But it was more than a step in the right direction.

Reimers built his reputation in large part upon his company’s service to the

Robert Reimers: The man behind the biggest company in the Marshall Islands.

nese island communities. During the 1960s, his company operated five boats which went from island to island picking up coconuts and other goods. RRE no longer operates a fleet of boats, and last year, ended years of service aboard government field vessels, saying that it could not afford the losses from pilferage, pests and related damage. Reimers credits Powell Milkiketi, who managed the store from the mid-1960s to 1972, and Ron Levy, who took over in 1972 until his death in 1983, with having the skills and business sense that helped the company become the largest home-grown business in the Marshall Islands—and one of the largest in all of Micronesia.

(Continued on page 58)

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40 Years of Success...

(Continued from page 57)

Competitions: It was the opening of Gibson’s store on Majuro in 1958 which triggered the RRE expansion. The company had been built in the 1960s. The most successful was one in which Gibson’s was the only major store on the island.

Through all the years, Robert Reimers has never lost his common touch with friends and customers. He remembers the people who helped him reach the milestone of 40 years of business operations—and that personality has made Robert Reimers a Marshall Islands success story.

Gibson’s has opened a small store on Ebeye in 1990 and is now eyeing the possibility of building a multi-million-dollar shopping complex.

An important outcome of the RRE expansion program is the substantial investment in the local economy. Many of the Marshall Islands have been employed on RRE construction projects, and the store has been a source of income for many.

Throughout all, Robert Reimers has never lost his common touch with friends and customers. He remembers the people who helped him reach the milestone of 40 years of business operations—and that personality has made Robert Reimers a Marshall Islands success story.

by Giff Johnson

“What’s happened in the last few years on Ebeye and what’s going to happen in the next few years is dramatic,” said Gibson’s Manager John Smith. “Ebeye,” he said, “is quickly moving from the ‘village of the Pacific’ to the showplace of the Pacific.”

Gibson’s sees Ebeye Shopping Center

Gibson’s has opened a small store on Ebeye in 1990 and is now eyeing the possibility of building a multi-million-dollar shopping complex.

The Gaunt and Hillis-based company has proposed establishing the small island’s first major shopping complex that would include a grocery and hardware store, restaurant, hotel and commercial office and store space.

Ebeye has basically been a one-store town, with Robert Reimers’ store being the largest retail and wholesale facility. Gibson’s has a store in the Ebeye market by opening up a small, 1,200-square-foot clothing shop in November 1990. We’re very pleased with the response people have shown to our little store,” said Smith, who has lived in the Marshall Islands for more than 15 years.

Gibson’s Ebeye Store Manager, Kevin Aalberg, said: “We have been able to keep prices on clothing by ordering direct from U.S. suppliers, and this has attracted new customers. Although the store has space only for clothes and sundries, the store only sells a few dozen different items.

Gibson’s didn’t come just to service the Majos, it wants to serve all the islands,” Smith said. “Now we’re moving in that direction.”

Gibson’s is eyeing the possibility of a 15,000 to 15,000 square foot shopping complex that would take about two years to complete. Asked whether Ebeye’s population of about 8,000 can support such a large store, Smith said: “Everyone in Ebeye (asked that in Majuro when Gibson’s opened in 1984. But it made all the retail stores better. Businesses in Majuro are more competitive, and it is said to have cut the number of businesses in Ebeye.

Smith believes that there is a largely untapped market for Ebeye.

“Ebeye is one of the most untouched market for Americans living on the islands. There are about 3,000 Americans on Kwajalein, just three miles from 10 minutes away by ferry—ferry—ferry—ferry—run a dozen times a day between the two islands.”

“Now we’re moving in that direction.”

Gibson’s Ebeye Store Manager, Kevin Aalberg, said: “We have been able to keep prices on clothing by ordering direct from U.S. suppliers, and this has attracted new customers. Although the store has space only for clothes and sundries, the store only sells a few dozen different items.

Gibson’s didn’t come just to service the Majos, it wants to serve all the islands,” Smith said. “Now we’re moving in that direction.”

Gibson’s is eyeing the possibility of a 15,000 to 15,000 square foot shopping complex that would take about two years to complete. Asked whether Ebeye’s population of about 8,000 can support such a large store, Smith said: “Everyone in Ebeye (asked that in Majuro when Gibson’s opened in 1984. But it made all the retail stores better. Businesses in Majuro are more competitive, and it is said to have cut the number of businesses in Ebeye.

Smith believes that there is a largely untapped market for Ebeye.

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Anrohasa Hotel... 
(Continued from page 39)

addition, Aitutaki Ma'a's hotel also offers
rooms, and Rudi and Irene Paul
are now in a new hotel on the island.

like many businesses and homes, the
Anrohasa is small. The looks
wear and a second-story to fit in more
rooms, and currently seven. The
rooms are small, but neatly furnished
with carpeting, framed paintings,
a refrigerator, a television (with satellite
service), and a desk and chair.

The looks for the hotel's version of a
family restaurant. Customers
squeezed into shoulder-to-shoulder
in a bench around a L-shaped counter.
It was built for about $6,000, but most
frequent customers are about 10 customers in the popular
looks have big plans for the 20-room
addition, first-class restaurant and a bar.

They are planning for the hotel to be
the Marshall Islands Development Bank to
finance the project, which would be
connected to the existing hotel and built out
over newly filled land on the lagoon.

But, despite their plans for major
improvements, all the looks' customers tend to keep the small
restaurant, because they like it so much.

The Anrohasa Hotel is a busy affair,
with both customers and Anit frequently
on the lagoon or the lagoon side. Anit handles the
to-day-to-day operations of the hotel and restaurant, as Anit, a
Kwajalein Anoll Development Authority executive
committee member, is frequently off-island
on KAD business.

The looks started with a retail grocery
store, then expanded with a landmass. Now, only the landmass remains. "We
kept on the store because of problems with
credit," they explained.

The hotel and restaurant are more
than enough, as the looks is to major
expansion in the near future.

LaBobby's is Ebeve's Most
Popular Eatery

by Giff Johnson

LaBobby's Restaurant has developed
into one of Ebeve's most frequented
restaurants in the year since it opened.
The modern décor, combined with a
wide range of offerings on the menu,
including a quick take-out service,
makes the restaurant a favorite with
customers. On a recent Friday night,
LaBobby's was full, with over 500
customers in three separate parlors, while
serving dinner to customers in the
normally busy restaurant.

Lamou said that in addition to
expanding the kitchen and opening a bar,
he is interested in turning the old disco building into a"fun factory" in the future.

LaBobby's is not only a favorite eating
place for Ebeve residents. He said he has
many customers who come over from the
Army base at Kwajalein to eat at the
restaurant. "The Americans tell us that
they miss the food and the hamburgers," he said.

"That's because we make our own
patties," Lamou said. "But the best thing
about our hamburgers is the side of fresh produce in the
restaurant, which we regularly serve with
most meals."

Special Report: The Reconstruction of Ebeve

Anrohasa Hotel Eyes Expanding
on Ebeve

by Giff Johnson

It has been a busy year for the
Anrohasa Hotel, with the addition of a new
restaurant and expansion plans for the
property. The hotel has been
successful in attracting customers with
its modern décor and wide menu
selection.

Anit, one of the owners, said the
hotel has been successful in attracting
customers with its modern décor and wide menu
selection.

Fountain and Ait have big plans for
expanding their seven-room hotel on
Anrohasa's lagoon side.
Interview

Carleton Hawpe: Ebyee's Architect

Architect Carleton Hawpe is no stranger to the Marshall Islands. After graduating with a degree in architecture from the University of Virginia in 1966, he joined the first group of Peace Corps volunteers in the Marshall Islands. Hawpe has a hand in designing many of Majuro's most notable public and private facilities, including the museum/library complex, an earlier version of the National Eastern Gateway Hotel and the Robert Reimers Enterprises post office and commercial complex. After living in the Marshall Islands for 14 years, he and his family moved to Hawaii in 1979. Initially, he worked with Franklin Gray & Associates of Honolulu, and began regular commutes to the Marshall Islands.

In 1984, he launched his own architectural firm, Hawpe & Associates. Since then, Hawpe has been a consultant with the Kwajalein Atoll Development Authority (KADA) in addition to holding about 80 percent of his time on the Marshall Islands. His recent work has included designing elementary schools and a high school cafeteria for the Marshall Islands Government.

Carleton Hawpe

accomplished in the last five years. A new electric power/water desalination plant was built in 1985 which now provides not only reliable power, but 300,000 gallons of fresh water daily as well.

The screen has been rebuilt and the system expanded. The electrical distribution system has been rebuilt. The road, which was to be either a continuous mud puddle or a dust bowl, depending on the time of year, has been paved and there is now a sidewalk around the island.

In other words, what the Kwajalein Atoll Development Authority (KADA) has done initially is to establish not only desalination and irrigation facilities for the island, but it also functions as an urban community.

PACIFIC MAGAZINE: Can you compare the situation on Ebyee Island today?

HAWPE: While there is still a long way to go toward improvement, the people's mood is very upbeat. A lot has been done since the Kwajalein three times a week. The morale of the community is as you can imagine, was totally falling apart.

PACIFIC MAGAZINE: You're been involved in architectural and design work in the Marshall Islands for many years, but it must be a special challenge to translate into action the development community's plan—completely redeveloping Ebyee. Is it true?

HAWPE: It has been an interesting challenge. At first glance, you would think the problem is fairly simple to define and therefore solve. After all, Ebyee is only a mile long and 3/202 feet wide, so it's pretty finite. But when you walk around the island and see how overcrowded it is and how many kids there are everywhere, you realize the depth of the problem.

It goes beyond merely trying to establish a minimally comfortable living environment. Health problems were still are, to some extent, intolerable. Social problems can only get worse, considering that over 60 percent of the population is under the age of 13. There isn't even a public high school yet on the island, and the elementary schools are not large enough or well enough equipped to accommodate everyone.

So the design of a better community physically is the major past reality. It is the challenge of how to positively affect the social conditions that will count in the long run.

PACIFIC MAGAZINE: As you get involved in the planning of an island or infrastructure, how does it differ from your earlier experience in Majuro?

HAWPE: There is no opportunity for the Marshall Islands to be the primary land, for example, in the Pacific islands—let alone the design of an entire community. This is to say that many master plans have not been written for the various communities there. Ebyee alone has at least three written in the past two years.

But almost always, these documents end up on the shelf collecting dust, and no one ever bothers to pay any attention to them. In Ebyee's case this time, the mayor's planning has included carrying through from conceptual planning to actual implementation of the program, let alone the writing of the original document.

It's been an interesting exercise because not only is designing structures, but in working with the KADA board and other staff members as an agent for growth policies, establishing project priorities (Continued on page 61).

Special Report: 'The Reconstruction of Ebyee'

Carleton Hawpe...

(Continued from page 61)

but budgets: funding sources of money in Washington and elsewhere; initiating projects, then being involved in managing the execution of projects in the end, it makes for a very comprehensive experience.

PACIFIC MAGAZINE: Do you think that the real changes are over, or is it possible that the most interesting development is just beginning?

HAWPE: Just beginning. Up to now, and until the new post development and expansion are completed, KADA has really just established the infrastructural platform necessary to support real development. The community is essentially a bedroom community for Major Island, which is the main island of Majuro Island. USF, with only a basic sector comprised of a few retail stores, bars and restaurants.

It promises a good 10 years behind Majuro in private sector development. But that's not to say it will take another 10 years to catch up, or even go ahead of Majuro. Now that things work, KADA has had people coming to it with development proposals. In the past, it was just the opposite.

In 1981, when KADA put out a request for proposals to run a wholesale operation out of a new government warehouse, there were only two proposals interested. But one of the companies that withdrew then is now interested in building an entire shopping center on Ebyee, if the land can be made available. Quite a reversal in a mere three years.

There are other local merchants ready to build hotels and small shopping complexes, if financing can be arranged. We've got potential interest, believe it or not, in tourism at Kwajalein in specialized sectors like diving and sport fishing. KADA is sponsoring some studies in this area. The authority is sponsoring a giant claim project and is getting ready to establish a hydroponic garden on Kwajalein Island, with the idea of raising vegetables for the American community market there. KADA also has plans to develop a fisherman's marina and support facilities to encourage commercial fishing as a local industry.

So even though the community will continue to remain heavily dependent on Kwajalein for jobs, it's a new venture and it's a very valuable resource that is being made to diversify and expand the economy beyond its present limited scope.

PACIFIC MAGAZINE: What is the upbeat business attitude much of a turnaround from years past?

HAWPE: It certainly is. Up until three years ago, Robert Reimers Enterprises (RRE) was the only store that was commercially significant. The first time there was real competition was when the warehouse I mentioned was built. It was the 3rd I Set of Outfitters to establish a wholesale outlet that competed directly with RRE.

Prices to consumers on the island have come down a bit as a result. Recently, Gibson's established a store and hopes to expand, and there will be new company—Centric Pacific Traders—establishing a warehouse operation on Ebyee, and a retail store on Ogroom in the first quarter of 1990. These are all major developments, and I hope you will see that Americans from USF, KADA will begin to make shipping

82-JANUARY/FEBRUARY 1990

Workers lay blacktop along Ebyee's main road, which was a dust bowl in dry weather or a mud puddle during the rainy season. A new sidewalk around the entire island was also built.

Special Report: 'The Reconstruction of Ebyee'
Special Report: The Reconstruction of Ebeye

The U.S. Army's new community

trips to Ebeye. That's a whole new
market that hasn't been tapped yet.

The key to whether this economic
growth will be maintained in Ebeye, in the
status of USAKIA. Over the past
several years, the expectations there have
been intensified because of several DDI
(Star Wars) research programs and the
LMX missile testing program, both of
which may be cut back with the housing
of troops in the cold war.

If USAKIA does cut back as a result,
then there will be fewer jobs for non-
residents. If that happens, there is no
certainty that very many people would
leave the island to search elsewhere
for jobs, except to a certain degree. That is
one reason why the leadership is trying
to look at ways to diversify the
Economy. It would mean that Ebeye remains a
stable community, even with a scaled-
down USAKIA.

PACIFIC MAGAZINE: KADA has
been instrumental in directing the
development of Ebeye in the past. Why
has it been able to be as effective as it
has been?

HAWPE: Kwaiken has a very strong
leadership—both traditional and elected.
This leadership also happens to comprise
the seven-member board of directors of
KADA. The chairman is Sen. Imata
Kabua, who is also the chief (traditional
chief) for Kwaiken. Not only does he
represent all landowners on the islands,
but as a member of the Nijirista—the
national legislature—he also pushes for
KADA programs there.

The mayor of the Kwaiken & Local
Government (KALGOV), Alvin Jacklick,
is also on the board, and makes sure
KADA projects, once completed, are
operated and maintained by the local
government.

The chairman of the KADA executive
committee is Justin DeBose, who, as the
Resident of the Marshall Islands repre-
sentative, makes sure that KADA
programs are in keeping with RMI
policies. There is also a Woman's
group, who is president of the Ebeye
Chamber of Commerce, which has
appointed a liaison, KADA turned the
advantage of the US government. How
was this accomplished?

HAWPE: With considerable difficulty.
First, we had to convince the Federal
Emergency Management Agency
(FEMA), which is the federal agency
that administers with disaster recovery, that it was
KADA they should deal with as the
appropriate RMI agency involved. FEMA
would have preferred to move in, throw
up temporary replacement homes quickly
by the sites of the destroyed homes,
and get out. KADA in turn, felt that to do
this would only exacerbate the over-
crowding and uncontrollable development
problem.

With the help of President Kabua, we
were able to persuade FEMA to first of
all, accept a house design slightly above
their normal standard but which, as a
two-storey duplex, was more suitable
to development on small, crowded is-
lands. We then proposed to build a
landfill area for temporary housing and also
build infrastructure on Guguprot to ac-
commodate housing there.

By locating the new housing in these
planned developments, rather than put-
ning them all back on Ebeye, we were
able to reduce the density on Ebeye
somewhat and provide very nice sites for
the new homes. To accomplish this,
KADA had to reorganize and solicit
funds to build the landfill, roads, a new
cable line, a new power line over the reef to Guguprot,
and water and sewage systems on
Guguprot at a cost of more than 53 mil-
lion. In addition, FEMA insisted that any
redevelopment should take into account
what the residents would like to do
above what they normally provide
would have to be at KADA and RMI
expense.

In all though, there are now 79 new
housing units on planned sites that repre-
sent the first step toward organized hous-
ing development on Ebeye.
Carleton Hawpe...

(Continued from page 64)

was failing, and the idea of building the desalinization feature into the new plant would probably cost several million dollars. I think it was the only choice.

Unfortunately, because both projects costs about $13 million each, by the time we had finished the first, there wasn’t enough time and money to do the second one. The funds used for the disaster recovery program could have gone toward the new plant, had they not been gone by the recovery effort. After this year, we have to step up the efficiency of the development funds and build a new dock, since the existing one collapsed. So we are still trying to find a suitable way to finance and build the new dock. Without it, the community will never be able to develop as a unit, or with any efficiency.

For the interim, USAKA is extending its ferry boat service to Guggeg for two trips a day, so that workers there can get back and forth. But this obviously does not take the place of a direct link to Ebyes, where almost all the community services and facilities now are, especially once Guggeg grows beyond the initial 150 residents to its planned population of about 3,000.

Through the RMI Ministry of Foreign Affairs, we have been promised an aid grant from the Japanese Government, and we are in the process of having this money. Otherwise, we may have to look to financing, which would effectively double the amount of money and thereby cut the amount of funds available for the many other projects that are needed.

A third alternative would be to build a less protected and much less expensive road over the reef, but this would run the danger of extending this out to storms.

PACIFIC MAGAZINE: What other U.S. agencies have been supportive of the development work on Kwajalein?

HAWPE: The Environmental Protection Agency has given major grants to upgrade the Ebyes power system and participate in the recent Guggeg development, and a $400,000 grant to install sewers there.

The Economic Development Agency has awarded KADA a grant of $1 million toward the cost of building a new dock, which is projected to cost about $5 million. We are also applying to the Rural Electrification Administration for a low-interest loan to finance the line that runs between Ebyes and Guggeg, but that is still to come through.

FEMA, of course, was a great help, because of their disaster assistance involvement. In addition, the Office of Economic Adjustment at the Department of Defense has given technical support.

We are still hopeful that the Federal Housing Administration will one day open an office in the Marshall Islands so that we may take advantage of their low-cost housing grant and loan programs, but that has yet to happen.

PACIFIC MAGAZINE: Ten years ago, things were pretty bad on Ebyes. The U.S. Government wasn’t very interested in the atoll. Why is it now supporting development work at Kwajalein?

HAWPE: There are two reasons. First, the military saw an impact to their mission if the Ebyes community would be hostile to their presence. In the past, the Army had actually ignored the conditions on Ebyes, stating that it was the problem of the Trust Territory Government. They never had any problems with the community until the early 1980s, when the line of sight communications project was implemented by the Kwajalein Islanders, which began disrupting the Army’s mission. I think they have learned you can catch more flies with honey than with vinegar.

Secondly, I believe the U.S. has seen the potential of Ebyes as a result of the land payment settlements and the cost savings associated with KADA and KALGov. It is to their benefit to see Ebyes grow and take some of the credit for this success.

PACIFIC MAGAZINE: Besides federal agencies, who’s the money coming from?

HAWPE: First there is the annual Compact Funding from the U.S. that KADA receives as part of the settlement for one of the missile range. This began in 1984 as a $2.5 million annual payment. It has an inflation factor built in so that this year, for instance, it amounts to about $4 million. This is a guaranteed payment for 15 years, the length of the Compact. Unfortunately, we have yet to do

(Continued on page 68)
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 weapon 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: P.O.Box 267, Hanalei HI 96714
Dear Senator Inouye and Mr. Gaddis,

I do not support the Star Wars program on Kurei. I do support PMRF and am happy for its presence here. However, Kurei is not the place for such a program as the Star Wars project.

Respectfully,

LaRae Schutt

LaRae Schutt
P.O. Box 327
Lewii, HI 96765

HAWAII CONFERENCE
UNIVERSITY 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 Microastics Committee at the scheduled meeting of April 11, 1992. The imminently 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 concerns 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 freon (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 socioeconomic impacts on people of the Republic of the Marshall Islands:
   a. Has the U.S.A.D.C. specifically consulted with the Marshallese general public?
   b. If so, how has this consultation been implemented? (i.e., Have public notices scoping meetings been conducted in the 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 conscientious consideration in this matter will be much appreciated.

Kohaku Lee
President
Conference Minister

Norman W. Jayashon
Conf. Minister

NWI:KL:mg
15 Craigside Place, Honolulu, Hawaii 96817 • (800) 537-9516 • FAX: (808) 521-7136
Lisa Cervantes
P.O. Box 2050
Lihue, HI 96766

April 10, 1992

Deputy Commander
U.S. Army Strategic Defense Command,
CHAP-EN-V (D. Gallien)
P.O. Box 1500
Huntsville, AL 3587-3801

Attn: Henry Cooper

To Mr. Gallien and Mr. Cooper:

I sincerely hope that you do not view mine and other Kauaian's comments as thoughts 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 SDF 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 SDF issue, and have concluded that SDF will fall because:

1. The nuclear strategy is incorrect in failing to recognize bomber aircraft, cruise missiles and smuggled warheads. It requires 87 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; however, are fed-up with seeing government hypocritically marketing arms to "enemies" and then bullying us into war.

You have provided a DEIS and informational literature supporting SDF on Kauai and 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. Releasing hydrazine, nitrogen tetroxide and other rocket fuels into the air is foolhardy.
- The Marshall islander 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 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 SDF research is ridiculous.

Agency-Mission
Requirements

- What law says you can use Hawaiian lands, bully the state into granting SDF access, and zip-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 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 SDF with all my intellectual, moral, and spiritual might, and hope against hope it will somehow, someway, THIS DAY, make a difference!

As sincere as I can be,

Lisa Cervantes
April 10, 1992

Deputy Commander
U.S. ARMY STRATEGIC DEFENSE COMMAND,
CSSD-EN-V (D. Gallien)
P.O. Box 1300
Huntsville, AL 358-7-3801

Attn: Henry Cooper

To Mr. Gallien and Mr. Cooper:

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method and through that were led to believe that SDI can and will
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Keep our military for our protection, at airports and other
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I am proud to be on record for OPPosing SDI with all my
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will somehow, someway, THIS DAY, make a difference!

SINCERELY,

Jesse Cervantes
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 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 will fire the missiles. We really have very few, if any, enemies who have offensive equipment that comes close to threatening us on such a massive scale that we need Star Wars. Why don't you save the nation? By billions and put your money somewhere else.

Name: Ruvino Seide
Address: C/O 2001 Sheri Pkwy Kauai, HI 96745

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

Name: Mehana Blaich
Address: 3210 Kaluakoi Pkwy. Honolulu, HI 96822
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,

Mehana Blaisi

P.S. Senator Inouye has said that the people working at MPF 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. So have we believe STARS would only damage some ferns and culture is absurd.

I remember not too long ago the damage Hurricane Bora 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 STARS could provide. The damage seems endless. Endangering our plant and animal life, impacting on our Hawaiian sacred site, polluting our air, water and fishing, and more damage to our ocean life. 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 STARS program.

Thank you.

Sunnai Malanauu
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.

Kauai is a place a place that is calm, pretty, happy & beautiful. It is not a military station. Think of all the ways the launching missiles will affect our beautiful Kauai.
I've lived there all my life and I don't want to see it be turned like this!

Name: Melana Blaich
Address: 2120 Kukui Pl, Honolulu, HI 96822

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
For the Protection of Hawaii's Native Wildlife

HAWAII AUDUBON SOCIETY

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

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 Kaua'i Test Facility, Pacific Missile Range Facility on Kaua'i, Hawai'i.

1. Although the Draft Environmental Impact Statement ("DEIS") for the Strategic Target System ("STARS") program discusses 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 Kaua'i (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.

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 the 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.

For Review Only 1

GENERAL COMMENTS cont.

April 13, 1992
Motor Boosters cont...

4. Regarding the third-stage motor boosters, the Army states that there is not a large statistical data base 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 would be more accurate 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 also notes in the DEIS that the 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 as a Minuteman III as they are permitted to do when flown on a Strategic Target 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 PMBF. 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 PMBF 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 launching 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 entire "whale winter season," is the Army proposing to ban STARS launches for the entire season? This could mean prohibiting launches for as long as 5-7 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 Kaua'i and in Hawaii.
Air Quality and Hazardous Substances cont...

16. Although the DEIS briefly discusses the greenhouse affect, the Army does not compare the increased levels with existing emissions from Kaua'i. 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 Kaua'i 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, northeasterly 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 Kaua'i 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 whales by cow/calf pairs during a typical winter season, nor does the DEIS discuss the use of the area by cow/calf pairs. Censusing and research on Humpback whales is currently being conducted by researchers from Moss Landing. Preliminary results indicate that the waters between Kaua'i 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 Nohoii Ditch. The surveys are needed in order to specifically assess impacts on foraging and resting habitat. Existing information indicates that turtles aggregate or occur in large numbers in the immediate vicinity of the Nohoii 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, Gallinago lata; gallinule, Gallinula chloropus sandvicensis; stilt, Himantopus mexicanus knudseni; and duck, Anas wvillians). 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. 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 subspecific name for the Hawaiian gallinule is sandricensis.

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 (Diomedea 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 from nesting at PMPF.

34. The Army does not discuss the foraging behavior of the endangered Hawaiian hoary bat (Lasiurus cinereus semotus) along the shoreline at PMPF.

35. The most commonly accepted name of the genus to which the endangered Hawaii hoary bat belongs is Lasiurus.

36. The Hawaiian monk seal (Monachus schauinslandi) is not Hawaii's only endemic marine, 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 (Ophioglossum vulgatum) 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 Kohihi should be made within the context of the statewide distribution of such communities.

39. The spelling of "Brauggan" should be corrected to "Bruegmann.

Land/Water Use

40. The DEIS should discuss alternative sites within PMPF 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 PMPF 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 Mana; (3) 'ohana (extended family) networking and sharing of resources; and (4) the future settlement of Hawaiian Homelands at Kekaha.

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 Ziegler
Board of Directors
Deputy Commander
U. S. Army Strategic Defense Command
Attention: CSSD-EN-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 rumblings 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. Gallien 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, these documents should have been attached to the DEIS. Comments should then be permitted on these documents. Incorporation by reference leads to an overload 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 2.1 (2-34) of the alternatives and quick dismissal of these alternatives should not be acceptable. Is it not the purpose of the SBI 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 (2-36) 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-3 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). These 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 et seq. 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 (PMT) at Point Mugu, California arrive at its designation of the launch hazard area as described in the DEIS? A thorough explanation of the factors PMT used in defining the launch hazard area should be presented.

The ground hazard area described at page 2-18 et seq. 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 1-13, 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 Peck 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 D). 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 error 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 launching 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 2-10 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 KTF/PKRF, Polihale State Park, and the coastline to the Wai`ema River. Not included are the areas adjacent to PKRF - lands held by the State of Hawaii under the Department of Land and Natural Resources and the Hawaiian Home lands east of PKRF. The region of influence for land use purposes, at minimum, should be expanded to include these lands adjoining the PKRF. The proposed launches represent a significant increase in the use of PKRF-. Such increased use will affect not only Polihale State Park and the coastline to the Wai`ema River, but also the State of Hawaii lands and the Hawaiian Home lands.

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 Homes land approximately three miles away from PKRF 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 PKRF 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, PKRF is allowed to deny access to the shore under the executive order during hours of hazardous operations." (emphasis added). The DEIS then describes how PKRF 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 3-39 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 cause 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, particularly 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 99%. 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 I. 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/KTF.

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:
"They (humpback whales) concentrate in the four island area (Maui, Molokai, Lanai, Kahoolawe), Penguin Bank, Niihau, and northwest Hawaii."

- First, it is unclear whether "northwest Hawaii" refers to the NW Hawaiian Island chain (atolls) or the island of Kauai.
- Second, recent studies conducted for the National Marine Fisheries Service have shown a dramatic shift in the distribution of humpback whales (Mobley and Bauer, 1991).

A thorough review of humpback whales should have included a recent paper presented by Dr. Joe Mobley (Univ. of Hawaii-West) and Dr. Gordon Bauer last December at the 9th Biennial Conference of the Society of Marine Mammalogy.

- This study replicated the methods used in the '77-'79 aerial study by the U. of Hawaii to count whales, so that any changes in the relative number of whales using different areas could be easily compared.
- More importantly, Mobley's study began in 1990 (well before the completion of the Draft EIS report) and will continue through this year. It therefore presents data from only 2 years ago as opposed to data which is over 12 yrs old.

Results of Mobley and Bauer's Study:
- Mobley found that the Kauai-Niihau area, including the area directly off PMRF and Nohili dune, had among the highest known concentration of any area in the Hawaiian islands. In fact it ranked second out of five areas examined, with regards to number of whales sighted per hour (a measure of whale density.)
- Furthermore, the Kauai/Niihau region showed a 200% increase from the 77-79 study by the U. of H.
- Preliminary data from the '91 and ongoing '92 aerial survey's support these findings.

Results from our study (Cerchio 1991 & 1992, unpub. data)
- Raw data from the last two years ('91 & '92) of our study support the recent aerial survey results.
- These data indicate 385 out a total of 444 humpback whale sightings (greater than half) were located between Nohili dune and Kokole Point, (east of PMRF). This is significant because less than half of our survey effort and less than one quarter of the area we survey encompasses this region.

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

I am concerned that the U.S. ARMY S.D.C. 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 PMRF's 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


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

Kauai Citizens Call for a Moratorium on Missile Launches to Kwajalein Atoll

4/4/92

Dear 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 Wars' program on that Island. I feel that there are too many dangers including the transportation of dangerous chemicals on our roads, the contaminating of our water supply, the depletion of the ozone layer because of the breeze being released into our atmosphere by the missile launchers and most of all because of the continued use of the Marshall Islands as the target area. It's heartbreaking to know that the Marshallese people have been forcibly taken from their homeland and herded like sheep into a small confined area the size of Ala Moana Shopping Center.
I raise the issue of the proposed missile site on the island of Hawaii. The EIS study is biased and may be inconclusive. The EIS asserts that there was "no significant impact" to geology, water, air quality, biological resources, cultural resources, land use, visual resources, noise, hazardous materials, water quality, public health and safety, and economics (Table 3-3, p. 239-240). Yet, after all this, there was no quantitative figure to back up their statements.

I had the opportunity to be at the first meeting on Tuesday night. It started at 6:30 PM and ended at 9:30 PM, which was the time that the meeting started and finished. A lot of people got up and spoke and I noted that a lot of "supporters" were military personnel. I want to stress that I am not anti-military since I was in the Marine Corps for four years during the Vietnam War. I feel, however, that the military personnel had no business being at these meetings. Military personnel are "closer" or "influence of the Government". If you took the
decision of the President, it is against the site. The residents of the Island of Kauai and not the Department of Defense and not the military personnel should decide this issue. The civilians who live here are the ones who have a stake in this land. They are residents of this state and deserve to be the only ones who decide this issue.

Senator Wargo, you must fight for the safety and welfare of the land and its people. I beg you to fight this thing and not let the Department make Hawaii a missile launching facility and dumping ground or site for hydrogen/fusogen/rocket and other hazardous rocket fuel. This Island of Kauai is a special National Treasure. Kauai is a rare, lush, tropical garden, one of the last remaining rain forests and it would be sacrilegious to use this tropical garden as a launching pad for antiquated and dangerous ICBM missiles.

Thank you, Senator Wargo, for reading this letter. I have also enclosed some interesting information from reputable sources concerning major fault of the Star Wars Program.

Sincerely,

Louis A. Rosetta Jr.

Respectfully,

Louis A. Rosetta Jr.
A Safety Net Full of Holes
Whistleblower Wins Study of 'Star Wars' Program

By JOHN H. CUSHMAN Jr.
January 27, 1988

Officially, Mr. Saucier's question about the "Star Wars" program has been put on hold. The Army has not yet determined whether or not to proceed with the project. Mr. Saucier, a physical scientist with decades of experience in space research, was assigned to a less significant job with the Army.

In response to a series of questions about the "Star Wars" program, Mr. Saucier has submitted his resignation. He said that the program was not a significant project and that he would continue to work on it as a consultant.

The "Star Wars" program is a proposed system of space-based, anti-ballistic missile defense that was originally sponsored by the Strategic Defense Initiative Organization, a defense project that was canceled in 1987.

A Congressman wants a delay in the dismissal of a scientist.

1979 to 1988: The "Star Wars" program was a major focus of congressional oversight. The program was consistently criticized by members of Congress for its cost, its scientific feasibility, and its potential for escalation.

Mr. Saucier's resignation is a significant development in the ongoing debate over the "Star Wars" program. The Army's decision to proceed with the project is likely to be met with strong opposition from Congress and the public.

Mr. Saucier's resignation is a significant development in the ongoing debate over the "Star Wars" program. The Army's decision to proceed with the project is likely to be met with strong opposition from Congress and the public.

Friday's launch "really went off without a hitch," said James Kates, manager of the Ground Based Interceptor Program. Kates said the interceptors worked properly and would have worked in an actual combat scenario.

Kates said that the test failure may add further damage to the SDI program's image as the Bush administration's major defense initiative. Kates said that the test should be viewed as a partial success.

"I think it was not a major failure, but it's obviously not the outcome we were looking for," he said.

Kates' statement was in response to a series of questions about the "Star Wars" program and its potential for success. The program was originally designed to be a"bulletproof" defense against cruise missiles and other threats.

Kates said that the test failure may add further damage to the SDI program's image as the Bush administration's major defense initiative. Kates said that the test should be viewed as a partial success.

"I think it was not a major failure, but it's obviously not the outcome we were looking for," he said.
Development for six years at a cost of $500 million, "can run, not just stand up and walk." Then he apologized for the whole thing.

"Getting worries," said Walt Bunn, a consultant for the Area Control Association and the Arrow project.

Year in and year out the Arrow team, led by Bunn, has worked on missiles. Last year the Arrow stopped missiles last year of the Arrow system, which is similar to SDI and is partially funded by the U.S., he said.

"I would say that this is both politically and technologically damaging at a moment when the program is at a political crossroads," Bunn said.

Bunn is a top engineer with Lockhead, a contractor in the SDI program.

The interceptor project is central to the Pentagon's plans to deploy sets of ground-based interceptors near Grand Forks, N.D., and possibly at other U.S. locations to protect the population from a limited missile attack. The Pentagon wants to get the first interceptors deployed by about 1997.

That's the report from Honolulu, March 13, 1992. Excerpt

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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 Star/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 85 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.

**Responsibility Citizens for Responsible Government, P.O. Box 1440, Hanalei, HI 96714  
Phone: (808) 826-4025  
Fax: (808) 826-1425**
Dear Senator Inouye,

I am writing to you today because of my strong feelings against having Strategic Target System launches on Kauai. The EIS does not adequately address my concerns for one reason: a single exercise i.e. the Newell Skidemakers, the whales and the Adress Tongue Teens. Nor does the EIS address my concern for the people as Kauai Kanei Lagoon at all. Nor 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. Pule noa! EIS was done by the Army.

Thank you for whatever you can do to stop this project.

Sincerely,
Mary Ann Kelley
480 Ukala Rd.
Senator Daniel Inouye
722 Hart Senate Office Bldg
Washington, D.C.

April 7, 1982

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 ambience which this island represents in the hearts of people all over the world—beauty, harmony and essence, 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. It’s 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 war 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,

Kay Doty

P.O. Box 3437
Princeville, Kauai 96722
Dear Senator Daniel Inouye,

I oppose the testing of the Star/SDI 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 turtle, the Hawaiian monk seal and the humpback whale 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 40 missiles during the next two years will frighten and drive these animals away, to other less-safe beaches, where the animals are more vulnerable to shark attack, and their populations will decline. We all have a responsibility to preserve these 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 waste materials that would be released into the air, water and earth from the missile launching desecrates this land that is cherished by native peoples.

3. Launching missiles from Kauai threatens the tourist industry. Visitors from other parts of the world would choose to come to Kauai for the unspoiled beauty of its beaches, verdant valleys, dramatic coastline, abundant marine life and quiet lifestyle. Launching 40 missiles during the next 10 years will contaminate the ocean with debris and chemicals discharged from the missiles, harming the marine life and damaging Kauai's fragile ecosystem. The movement of hazardous materials from the missile site is an accident hazard to the residents, on boats and on Kauai's air: no port could result in catastrophe (like the Exxon Valdez, or the misfired missile 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 M. Meh l
1675-2 Paki'ai Rd.
Kahului, HI 96733

cc. Henry F. Cooper, Director of STARS
Mayor Joanie Yukiwara, County of Kauai
Senator Daniel Akaka
Representative Pug Hink
Representative Neil Abercrombie
Editor, Kauai Times

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. Nohali 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 Ebe. 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 930
Hawaii 96718

April 10, 1992

Dear Senator Daniel Inouye,

I support your position 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. Nohali 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 Ebe. 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 930
Hawaii 96718
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 a nuclear test site.
- 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 dismantling 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 materials 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 inexorable 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,

Scott I. Batterman
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,

Twila V. Feinard
4460 Ikema P#31
Kalaleh Hi 96741

[Image of a Pussy willow with text: "KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALIE ATOLL"

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 Kawajalein Atoll. The United States military activity and treatment of the native peoples of this area is deplorable.

The residents of Ehease Island (19,000 people spread over 5.5 acres) do not want anymore missiles launched to the island. A mere 3-3 miles from their homes. They have written a letter of appeal to Senator asking you to do your part to keep more missiles out of their back yard.

Besides 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 SDI program on Kauai. Thank you very much. Aloha Feinard,
Sen Dan Inouye
U.S. Senate
Washington D.C. 20510
March 27, 1992

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 R. Griener
1787 Ho'ohuki 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,

B. Francisca
P.O. Box 930
Hanalei, HI 96714

The Honorable
Senator Daniel K. Inouye
U.S. Senate
Washington, D.C. 20510

Dear Senator Inouye:

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.

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 issue is corroding the island. The workers at the Pacific Missile Range Facility (PMRF) at Kauai are equate the viability of the Base to the approval of STARS. Thus, if one is against STARS, one is automatically branded anti-PMRF, an unfeeling 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

Maria C. Snyder, M.D.
P.O. Box 58
Kapaa, 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 Stars 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 feel it highly offensive
that our government would deem it necessary
to shoot 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 Rockets.

Sincerely,

Lisa K. Ross
P.O. Box 1243
Kauai, HI 96750
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

AND A STOP ON STAR MISSILE LAUNCHES FROM NH IFE

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. Sometime 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've 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 for me. I've seen and been through a lot here. It is a testing ground for our souls nor for missiles. How dare we allow launches off the sacred grounds of Nukoli'i Duke.

Obviously, Capital Hill does not know about the power of this island and its Hawaiian people.

It beg of you to stop this madness before it begins.

Right Now!

Lena Pencamp
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 Stars missiles launched from
our island

Sincerely,

Joseph Thomson
P.O. Box 238
Hanaelel, 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 plan 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 de Deo
Dr. Edward de Deo, D.C.
3707 Ohao Rd
Kaneohe, HI 96746
United States Senate

Washington, D. C. April 9, 1992

Respectfully referred to
The Honorable Daniel Inouye

(unacknowledged)

March 9, 1992

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, 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 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]

2306

[Address]
I am a resident of Kauai. I oppose launching STARS missiles from Kauai.
I also oppose the entire STARS program.

1) You requested an independent EIS and be performed for Barking Sands and the Army conducted their own EIS. If they won't even follow your repeat 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

Dear Senator Inouye,

I concur with your concerns regarding the STARS program and the potential ecological harm it could cause to Kauai. As we continue to face economic challenges, it is crucial to make informed decisions that prioritize our resources and protect our environment.

Sincerely,

Charley Love

Your's for a better world.

Charley Love
Honorable Senator Inouye
U.S. Senate
Washington, D.C. 20510

Dear Senator Inouye,

I am so concerned about my heart feels heavy for various reasons. Some were raised here in Hawaii. I am 52 years old, a father, a husband, and a citizen of this planet. The issue that is causing me such concern is the proposed Star Wars testing launchers on this island and the division occurring amongst the people regarding this issue.

This division was so apparent at the hearings as a moderating steward of the Earth planet, 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 air-launched Star Wars missile systems seem a waste of tax 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 affected area in the Marshall Islands. The role we have played in regards to abusing these islands is a national embarrassment.

I need to go on you - There is the issue of the Hawaiian lands, on which PMRF sits at Mauna. We need to preserve this special alipua'a 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 testing launchers on this island. NOW, Senator Inouye. I am a calm, peaceful person, but I feel with what is being proposed, the impact on this tiny island and its people, is unmanageable for me. I want to be heard and understood. There is a tremulous voice arising on this land - they say, "Enough!" Give the "big government" their money, so there is no more feelings of the people as well those that come from the jet.

Respectfully,
Jane Price
Box 1139
Kalaheo, HI 96741
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,  

Anne English  
PO Box 1250  
Kalaheo, HI 96741
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 Star Wars 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
RE: STAR'S STRATEGIC TARGET SYSTEM DRAFT ENVIRONMENTAL IMPACT STATEMENT

Oral Testimony presented Wednesday, March 25, Kauai War Memorial Convention Center
Given by Gabriella Taylor, 5620 Kepuna 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 STAR'S 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 as a health professional.

I feel that the presence of a STAR'S 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 STAR'S 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 rust, 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 STAR'S 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 freon 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 STAR'S Program.

How would the military feel if the EIS was done by the Mayor's office or perhaps the Sierra Club of Kauai? Any viable 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.
Senator Daniel K. Inouye
U.S. Senate
Washington, D.C. 20510

Dear Senator Inouye:

Enclosed is a copy of the presentation I made at the EIS Hearing re STARS.

As Chairman of the Defense Appropriations Committee, you have the ability to stop funding on this wasteful, both to the environment and the budget, STARS appropriation. As our Senator, you are, I know, concerned, as we are who live here in Kauai. Please, please use your influence to stop funding for STARS and move the appropriation to another, more beneficial, use.

Mahalo nui.

Sincerely,

Carmela Tuck
P.O. Box 276
Koloa, Kauai, Hi 96756
(808) 742-9618

Deputy Commander
U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3801

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

Re: Strategic Target System Draft Environmental Impact Statement

Dear Sir:

A family whose breadwiner 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. We 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 mistakes the wrong target? If it hits Nihoa, 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 barrows containing our men and women in the service of our country. This could be our island and our people here in Kauai and Nihoa.

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 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 treat others 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
Dear Senator Inouye,

I am writing to you today because of my growing concern about the STARs Program. It has been since the Reagan-Bush Presidency that the Defense Department, through the STARs Program, has been allocating billions of dollars to the development of an anti-ballistic missile defense system. STARs is designed to stop any potential ballistic missiles, for a country to come up with, from hitting their own soil. Protection, which takes years of billions of dollars in research and development, is not something that we can afford to ignore. If this is a threat to our country, it would be unwise to ignore it.

I am a property owner of the island of Enewetak. The Army is threatening to launch 15 missiles over the next 15 years. I strongly oppose this STARs program and urge you to use your powers to stop this threat to our sacred and peaceful island home. The land presides over this beautiful spot on Earth. I think you know how culturally significant Enewetak is to me. I believe that it is considered sacred land by God. I thank you for your attention to this matter.

Sincerely,

[Signature]

2314
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.

Brigid McBride
P.O. Box 1476
Kapa'a, HI 96746
April 2, 1992
Dr. Robert M. Bowman, Lt. Col., USAF, ret.

Dr. Robert M. Bowman is President of the Institute for Space and Security Studies. The recipient of the Eisenhower Medal, the George P. Kennan Peace Prize, the President's Medal of Veterans for Peace, the Republic Aviation Airpower 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 1976 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 arrays, thrusters, batteries, altitude 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 curricula). From 1971 to 1974, Colonel Bowman was in charge of aeronautics for the European Office of Aerospace Research and Development 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 24 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 Armed Services Committee, 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.

Yours sincerely,

Institute for Space and Security Studies
5115 S. AIA Highway
Melbourne Beach, FL 32951

March 24, 1992

U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, AL 35807-1500

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,

It. Col. Robert M. Bowman, Ph.D.
President, ISSS

Attach: Comments

Bio
Dear Senator Inouye,

This letter is to let you know that I and everyone I know are strongly opposed to the Stars Program.

I understand the need for a strong defense, and am NOT opposed to PRFP. However, after having researched the type of missiles, and their AEG and the high possibility of an accident, I can understand the militance of those opposed 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.

Sincerely,

Susan Goldberg
P.O. Box 737
Kilauea, 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 1500
Huntsville, Alabama 35807-1500

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 Sir,

It's 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. There is 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's 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 35807-1500
ALLS FAIR IN LOVE
AND WAR
PREPARE YOURSELVES
FOR THE WILL
OF THE PEOPLE.

Dear Senator Daniel K. Inouye,

I saw the documented film "Rage 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 Portal
P.O. Box 1494 Nunnai, Nii 96714
Sen. Sono Inouye
Please STOP ALL MISSLE LAUNCHES ON KAUAI.
We will not be used as a testing base.
We wish to attack a threat coming from another nation.
Also stand up for the human being disquized by the U.S. Government's actions in Kauai.

Sincerely,
Robert C. Layell
P.O. Box 867
Kilauea, Kauai, HI, 96754

Dear Sir,
I have just seen a downnarrowing tone on the radio about missile launches in the Marshall Islands. It is most depressing. It makes me embarrassed to be an American. How can our government be so cruel?
It's time to put a stop to this sort of thing.
I would like to urge you to work towards a moratorium on missile launches on Kauai.
As well as preventing anything like that from happening to any of us in Hawaii, it is a way to save lives and cultures at home and abroad.

Heidi Freewriter
P.O. Box 87, Kilauea, Kauai
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 Ve-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 this 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 costs of continuing to store them. This rationale, however, does not support their contention that they have fixed the problem described above or can now assure us that the booster is now highly reliable.

2. I note a number of significant inaccuracies on the SDI/SDC EIS report, pp. ES-2, 2-16, and 4-8, in which the composition of the solid propellant is presented. I attended SDI/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 condenses 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 impact would depend upon the atmospheric climate conditions and ocean currents present at the time of the aborted launch.

3. I also note that the sections of EIS for Stars assessing noise, pp. ES-6, and 3-39 to 3-42, and 4-40 to 4-43, appear 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 for 0-10 seconds duration during launch up to 1000 meters. The threshold of pain for individuals is 140 dB 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 a significant EIS requirement that I have seen in 23 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 ensure 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 human health, I suggest a new study under the leadership of an experienced SDI/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 SDI/SDC EIS draft report.

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Dear Senator Inouye,

I would like to urge you to do whatever you can to discourage any missile launch on Kauai. Of all the places the US Military has for these launchers, surely Kauai need not be the place—an island inhabited with close range that cannot easily be evacuated, a place dependent on tourism, 2 lane roads for transport. You will recall all the details of Kauai. It's not against the military nor test launchers—but why not use base in areas more suited to such things. PMRF—yes, Stars launchers or any other—NO.

Thank you for your consideration.

Aloha,

[Signature]

Joh Feider
Dear Senator Akaka,

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. Testing rockets that are 25 years old from Kwajalein Atoll, the thought sends me to death. Kauai’s decline is a very serious issue for us on Kauai. Star Wars will only compound it. I am also very concerned about the hazardous chemicals that the program would subject our island to. Having a lush tropical island as a launching pad for antiquated, dangerous rockets makes it really absurd. Please help to stop it. Thank you.

Beverly Mastfield

U.S. Senate
Washington, D.C.

Dear Senator Gorge,

"No Star Wars operations on Kauai."

In the light of the world, especially the U.S.A. crisis, it’s time to consider detropicalizing - the existing war machine industrial estate - the spiking war-election-industrial estate - the national congestion of our world’s universal problems. Toward a more harmony with nature.

Kauai Naval Base would make a perfect solar-energy plant to power for the island. Economic conversion is essential. Joint military and civilian leadership is necessary to think-tank leadership to recover to harmony and balance for our way to harmony and nature. No eye losses.

Sincerely,

[Signature]

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Peace in a warship is an art.
APRIL 4, 1992

Senator Daniel K. Inouye
722 Hart Senate Office Bldg.
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 launch site from Kure on Kauai. I am, however, disappointed that the Army failed to conduct an independent study as they had agreed. Aside from this, the Draft 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 damage to the environment of Kauai and its highly fragile tourist-based economy are substantial. The potential benefits of the 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 S. Fiumara
307 Ohno Road
Koloa, Kauai 96756

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE Launches TO KAWAJALEIN ATOLL

From: US citizen
Nikki Bueckowski
PO Box 781
Hanalei, Kauai 96714

Dear Mr. Inouye: Please stop the Star Wars project here on Kauai and help is badly needed to these poor people in Kawajalein and Marshall Island. You must help us save what is even savable. I am so sad and mad about this. I feel powerless about the situation and want to do all I can do to help if it could happen to us and our families.

Thank you, Nikki Bueckowski.
Dear Senator Inouye,

I am writing to urge you to take a stand against the testing on Kauai. As a Kauai resident, I believe that the testing is a threat to the health and safety of our community. The testing is not necessary, and it is not in the best interests of the people of Hawaii.

As a resident of Kauai, I am concerned about the impact of the testing on our environment. The testing is not only dangerous to our health, but it is also harmful to our natural resources.

I urge you to take a stand against the testing and to support the people of Kauai. I believe that you have the power to make a difference, and I hope that you will take action to protect our community.

Sincerely,

[Signature]

630 Pauahi Street
Kauai, HI 96704
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAUAI ATOLL

Please do everything you can to help the people who are suffering and in need of aid. I'm sure everyone will pitch in to help.

Sincerely,

L.J. Archambault
P.O. Box 1301
Kalaeo, HI 96741

2-326
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

DEAR SENATOR,

Please make every effort available to stop the missile launching from Echelon. Stands on the island, I know, on which I am a resident and registered voter. I am deeply concerned about the quality of life on our island after the effects of the missile launches. I am also concerned about the effects of the missile launches on the atolls of the Marshall Islands on the people called Echelon. Please do all you can to stop this inhumanity.

Dr. Martin J. Wolfe
P.O. Box 975
Lauhala, HI 96765

**Dear Senator,**

As an environmental scientist, I write to urge you to stop all appropriations for the STARS defense program. Not only is it an expense that this country cannot afford, but it is also a blatant violation of the human rights of the Marshall Islanders. They need their land, not more bombs. They have lost their culture, their health, their entire way of life to such that we cannot afford. Both billions and billions of dollars in the preparation of war. This is 1992, we need to stop funding destructive programs that serve no one's interest but weapons manufacturers. For the sake of man and the Marshall Islands please stop the funding of STARS.

Sincerely, Dr. Wolfe
Dear Senator Akaka,

I speak to you who have lived in Kauai since 1951 and I wish for as long as I live.

I oppose very strongly the Star Wars rocket launching project for several reasons.

1. It is a real and present possible danger to the health, safety and well-being of Kauai's citizens, including its visitors. Why subject me to this when we ourselves are inviting the possibility of what hazardous chemicals in transport or launching can result in. Would you want to live here knowing rocket testing goes on and is polluting the air and water you breathe?

2. Any related accidents or mistakes as the result of the rockets will quickly destroy the visitor industry on Kauai and on other islands. Do we really want to take that risk as well?

3. The millions of dollars to fund the Star Wars is needed to help our country's homeless, hungry, children, education and cleaning up our environment. With the Cold War over, why continue to check defense projects which are obsolete and do nothing to further the cause of peace and well-being for all.

Please, as your loyal constituent, I strongly urge you to do everything you can to stop this project from happening on Kauai.

We are counting on you to see the needlessness of this project and to support programs that will better our community, our environment and our unique island for future generations to come.

Sincerely,
Maude Kekuaoneo
P.O. Box 261
Lihue, HI 96766

"Ua man ke ia o ka 'aina i ke pono"
Dear Senator empresa,

I have just read a piece on the TV about the Moratorium on missile launches to Kauai and I am extremely interested in what you think about it.

Is there any possibility of a total moratorium on all launches to Kauai, or is it just a possibility of a partial moratorium?

Please consider my request and let me know your thoughts.

Thank you,

[Signature]

4579 Koi St.
Kauai, HI 96740
I am fearful that many of people will believe me mistaken with the belief by the United States Government. Please look at this problem. It seems its new. We're wild & angry. We mean business.

Sincerely respectfully yours,
Sueane Leidwein
Honolulu, Hawaii 96814

Dear Senator Inouye,

I was born and raised on this island for 10 years.

My home would be a great place for missile testing to be done on this fragile island.

The fact that it is also populated with 100,000 people also speaks for the sensible attitude that it is a "safe" setting to do these projects here.

Would you want to live here knowing any accident related to these rockets being launched in possible? Wouldn't you feel concern enough for the children, and animals, and other living creatures being subjected to the dangers of the transport of hazardous chemicals to stop this from happening on Kauai? Please, do anything you can to stop this project for the benefit of Hawaii's citizens and everything that makes this a special place.

March 24, 1992

Lilana F. L.}

Kauai Citizens Call for a Moratorium on Missile Launches to Kauai Aitoll

Middle Warhead Impacts at the Kauai Aitoll

M. H. KUMA
and cherished home.

Also, if anything did go wrong and an accident occurred with the transport of chemicals or the rocket launches - can you imagine what the effect would be to the tourist industry?

Visitors would not only avoid Kauai... but perhaps Hawaii altogether. This would be an enormous economic disaster for sure. So for the sake of our visitors... industry, etc. - you must see that the stock markets ultimately use it as a guide economically as well as environmentally, and will affect the well-being of all residents detrimentally.

Thank you for your attention and support.

Sincerely,

Marsha Hee
P.O. Box 261
Lihue HI 96766

2

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

MIDDLE WARHEAD IMPACTS IN THE KAWAJALEIN ATOLL

Dear Senator Inouye,

The Reagan Bush 88 era could
above must come to an end.
It's time to cut the military industrial complex out of the business of humanity.
Out of Kauai.
Out of the Marshall Islands.
It's time to stop the U.S. Navy.

[Signature]
[Name]
[Phone]
[Address]
My name is Lupe Moreau. I am 11 years old. I live on Kauai. I am very worried about the way the "Star Wars" program is going to affect the lives of people on Kauai, especially on the Kauai Atoll Islands. It worries me because with the small amount I do know about the tests going to happen I know there will be certain damage done in the Kauai Atoll Islands.

Please to all you can do to stop this for me & everyone who will experience the effects.

Sincerely, David Moreau
P.O. Box 1929, Hanalei, HI 96714

Dear Senator

Please do your best to prevent Kauai from becoming the U.S. Army's testing ground for destructive weapons. Also please let's respect and help victims of nuclear tests.

3/22/92

E. Unanue
P.O. Box 698
Hanalei, HI 96714
You about a new idea you can file the missiles from the Kennedy you center out towards Kauai and look for the land is to you. Set on the balls and stop all the missiles testing. Let there fall somewhere in the desert. Keeping the testing entirely within the United States to avoid the possibility of conflict with other political entities. It is that way the people "playing the military" can see what is going on! It being done. We don't need to send anything out of the country. It is the poor made to pay. We don't need additional military to leave the Marshall Islands.

Thanks you.

John P. Rice 3-8-84
Kauai, Kauai Island, Hi 96745-29-35
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

Love
ALIA
OCEANA

FROM
ALIA

March 22, 1993

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, Malka Wizbowski
Malka Wizbowski
Gen. Delivery
Arakola, Hawaii 96703
Dear Senator Funge,

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 being used as a part of their testing and being used as a part of their testing in infringement of the Marshall Islands' people in connection with missiles being launched from this island.

It is in your power as a legislator of the nation of this estate to act on the wishes of the citizens of this estate, I hope you give their issue a good deal of thought.

Respectfully,

Maurice Kauai

March 22, 1992
I do not support the missile launches on Kawajalein Atoll. My basic human rights are being violated. I urge you to call for a moratorium on missile launches to Kawajalein Atoll. Stop now! Listen to our voices. I demand that you stop this inhumane project.

Lucille Churchill
5394 Kuakapa St.
Kapaa, HI 96746

The Honorable Daniel Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Honorable Sir,

My name is Lucille White. I am a 79-year-old resident of the Island of Kauai, married with 3 children and a professional artist. As a registered voter I am writing to you because I have just viewed the film "Home on the Range," produced and written by Adam Horowitz that depicts life after missile launch. I am asking that a moratorium on missile launches be put into effect immediately. Human Rights are being violated by your government. I have a direct responsibility to stop this.

I appreciate your attention to this matter, mine and many others.
Dear Senator,

Please use the authority and position you have to halt the SSBN program in Kauai. The effects of this program are

seriously affecting and in other ways in no way merits its development.

Please Senator, I have lived here in Kauai now for some time. It is

clear to me that many local people think only in terms of the immediate or

long-range picture. We are asking that you consider the many.

suggestions here. We really feel that the

words of Dr. Sunnix are very important. Please consider the price of those of us

who are devoted enough to write to you. Please use the knowledge I am sure

you have been exposed to by your work with indigenous people. Please put a

stop to the SSBN program. Can you reallocate any of the funds to a project

beneficial to the people? Please consider the price and...
Dear Senator Inouye,

I have been an active opponent of the STARs 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. We have brought death, destruction, disease and completely destroyed their way of life, their culture. Their reason for being. We on Kaua'i are outraged at this and outraged that our island should be used as a launch pad. Take the needed steps, Senator, to make this a more human world. The power is in your hands.

Sincerely,

Gary Barott

Barrett
Hawai'i
96714
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KWAJALEIN ATOLL

To Honorable Daniel Inouye:

Please please stop the planned missile launches from Kauai to Kwajalein. The Kauai offers a unique and important area for our Native Hawaiian population to develop respect for their lands as well as the Kwajalein people. Please respect the aina, no missile launches from Peaceful Beautiful Kauai.

Sincerely,

[Signature]

From	Canon Diamond

March 19

1992

Dear Senator Inouye,

I ask that you take a strong 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 displace and destroy the culture of the Marshall Islanders. This testing must stop.

Thank you for your time and attention.

[Signature]

1702 Makai St.

Lihue, Kauai, HI

96762
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 something that we feel is precious, and must 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
PO Box 1525
Hanalei, HI 96714

KAUAʻI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAUJALEIN ATOLL

KAUWAI WARHEAD IMPACTS THE KAUJALEIN ATOLL

7-19-92

Mahali

Michele Olesen
1189 Kualoa Hwy
Hauula, HI 96716
DEAR SENATOR,

AFTER THE VIEWING OF THE FILM, "HOLE 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 INSTITUTE SOME CHANGES. MAKE US PROUD TO BE AMERICAN AND HELP US PACIFIC ISLANDERS LIVE IN OUR NATURAL WAYS. MAHALO

Kirby Kauaih
P.O. Box 418
Kawaihi 96765

Dear Senator

Please assist us in stopping the use of Kwajalein Atoll 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 host us. I strongly support stopping the use of all testing sites. Thank you for your support. You are our best hope.

Carol Ann Washburn
P.O. Box 1525
Hanalei, Kauai 96714
I offer my support to the people of the
Kauaijanei Atoll. We can never for 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 peoples. We must stop the damage & destruction!

Karen Bacon Politiek
P.O. Box 870
Kildejeg, Hi 96746

To whom it may concern

The conditions under which the Marshallese
people would be expected to endure is a result of a continuation of any
missile activities. It is, in my view, intolerable.

With this in mind, I respectfully
request that the proposed moratorium be
implemented without further ado.

Michael A Comini
C/o Delivery Kapo1
H. 96746
Senator -

I heard you personally responsible for the terrible conditions on Enewetak for the native people. Less apparent, but just as malicious is the treatment of the Hawaiian people over the last 100 years.

I heard you personally responsible for the last 30 yes in Congress.

Shame on you.

A.J. Frechette

2-343

Aloha Sena

From the Kauai Okana

"Protect Kahi'olawe"

Organization

Stop the Bombing and Nuclear

Barbara Jean Bragg

P.O. Box 1328

Lihue, Hi 96766
Dear Senator Inouye,

If indeed you believe as I do that the people in Kwajalein are also human beings, you will do whatever you can to stop this insanity.

Marilyn Miki Kaipata
80 Box 181
Hanalei HI 96714
Aloha Senator Inouye —
Please treat all your considerable influence to stop this madness on Kauai.
For the Hawaiian People — for the people who has both adopted and been adopted by this Island — for the children — today’s and tomorrow’s — and for the sake of God — who makes this Island forever.

Help us all.

Sincerely,
(Sally) O’Donnell
MSC 144 - PO Box 3500
Paikweke, Hawaii 96722

I want military testing to be ended on Kauai Island.

Sincerely,
Betty Owen
(Canan Hi
9/17/84)
Please don't let our island die! We don't want Star Wars here.  

-Del Rossfeldt  
Feb 26, 1969  
Kapaa, HI 96746  

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 Kwajalein atoll so severely, with such lack of respect for the first peoples there?!! This is insane!
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES TO KAWAJALEIN ATOLL

Robert Marshall
P.O. Box 3079
Punahou, HI 96722

March 22, 1992

Dear Senator Daniel K. Inouye,

The Pacific Islands, especially Hawaii and
Kawajalein Atoll, have been my homeland since
I was 1 or 2 years old. These islands have a special and
extremely sensitive eco-systems that must not be
disturbed or placed out of balance, which is exactly
what Shell's Secure has done.

The STAR WARS SCHEME that is being forced on people
here on Kauai, you have 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
Marechalina people and their islands and through-
on all the Pacific Islands.

For Gods sake - STOP STAR WARS!

Respectfully,
Robert Marshall
Candidate for Governor
of the State of Hawaii '94

Senator Daniel K. Inouye
Please check thoroughly on this
situation personally. Do not be misled
one life is precious regardless of
color. I cannot believe what I have
seen in the film titled "Home on the
Range." Why haven't we read about
the plight of these poor people?
M.E. Lightbloc
P.O. Box 361 Ho'omaluhia 96750
Dear Mr. Inouye,

as a tourist of the Hawaiian Islands and as a physician I'm very concerned to hear about the situation of the Marshall Islanders. Let me imagine Kauai being occupied and used as a missile launch platform and please imagine Hawaiian American citizens being sent away from their homelands to a place with no jobs, hardly any land and poor conditions. Indigenous human rights and your Constitution should oblige you to help Marshall Islanders regain their dignity and a worthwhile living conditions. These experiments with human beings must stop! Marshall Islanders must stop, why don't you test in Arizona or better leave it at all?

Show some respect for the Marshallers, culture, and any culture different than the American culture! Get out of Marshall Islands, stay on U.S. Territory!

Christine Knappe, Kehoe, 107382 Bandhof, Germany

March 3, 1992

The Honorable

Senator Daniel K. Inouye

Senate Office Building

Washington, DC

Respected Senator Inouye,

Having just viewed the documentary film "Home on the Range," depicting the human costs of the "Star Wars" missile defense program on the Marshallers, people, I join many of my Kauai friends in urging your help to halt the plan to launch missiles from Kauai to the Kaua‘i aerial.

With sincere thanks,

Respectfully,

Kapa‘a, Kauai, HI 96746

Mauna C. Snyder
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILELaunches
TO KAWAJALEIN ATOLL

THE HONORABLE DOUGLAS K. INOUYE,
I HAVE LIVED ALL MY LIFE IN HAWAII, 39 YRS.,
AND HAVE MET YOU AS A CHILD.
I AM ASKING YOU TO PLEASE STOP IMPACTING
THE PEOPLE OF THE MARSHALL ISLANDS WITH
OUR MILITARY TESTING. AFTER VIEWING "HOME
ON THE RANGE," I WAS SHOCKED TO SEE WHAT
HAPPENED TO THESE PEOPLE AND WHAT LIES
IN THE FUTURE FOR THEIR CHILDREN. I'M SURE
THEY DESERVE IMMEDIATE ATTENTION AND
THE MISSLE TESTING SHOULD BE STOPPED.
AND REVIEWED.
WHAT DO YOU INTEND TO DO ABOUT THIS?

MAYMUD,
CHARLES LEE COWDEN
PO BOX 496
KANAKAHI, HI.
96714
(P) 826-9000

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE Launches
TO KAWAJALEIN ATOLL

Senator Inouye
The situation
in the Marshall
islands is deplorable,
conspicuous and
unjust, I am inclined to
be an American.

What I am referring to is how the U.S. military
has displaced the Marshallese people from
their home lands, used them as guinea pigs
for nuclear radiation experiments, and robbed them
of their dignity as human beings and God's
children. These kinds of atrocities toward
less powerful people must stop. Please
use your power and influence to stop
STAR WARS testing on Kauai and in the
marshall islands. Thank you.

Ken Jones
PO BOX 1659
KOLEA, HI 96756
Dear Sir -

I am dead opposed to the Star Wars war project held on Kauai, the Marshall Islands or any other location, you can also include space proliferation. I hope that the facilities on the Marshall be dismantled and reassigned to other purposes. Love and respect removed from Kauai.

Raymond C. Macy
3411 Idaho Ave Apt 5-A
Silver Spring, MD 20910

The Honorable Daniel Inouye
United States Senator
220 St. Senate Office Building
Washington, DC 20510

Dear Honorable Senator Inouye,

As a frequent visitor to the island of Kauai it saddens me to know that missile launching to Kauai is to still occurring. Being a mother concerned with the safety of my children and others, I don't want Kauai to become another nuclear testing pad like Enewetok. I stand for culture and peace to cannot be compromised. Please hear my plea for a moratorium on missile launching to Kauai.

Sincerely,

Mary Jackson
Dear Senator Inouye,

Having met you at your fundraiser in San Francisco last year when you stated that an ICBM would be required before testing, we have some questions regarding your position about the quality of life for all peoples. We trust that there is something that can be done to help the Marshallese people whose lives have been severely 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.

Please be with you.

Gerard Wells

On Jan. 29, 1992
Kauai Citizens Call for a Moratorium on Missile Launches to Kauaialein Atoll

Editor, Hawaii 5-0,

Please do what you can to keep the missile site of Kauai. This is not the place to launch these things. These people cannot bear it. This is an injustice. This is the land where we believe in freedom. The people of Kauai do not want this here. You can, and once please let them know what we want.

Sincerely,

Elaine Bertrand
1000 B St. 3rd Fl.
Lihe 642 96766

Dear Senator kinky,

I urge you to please use all the power you can to stop the Star Wars program from launching missiles from Kauai and the Hawaiian Islands.

My name is hobby Wanz, I am 14-years-old.

772 Hart Senate Office Bldg.
Washington, D.C. 20510

Akihiki Kihana

9/25/82
The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC. 20510

Dear Senator,

I want to express my strong concern over the absence of the Hiroshima Memorial at the National Mall. This monument is a symbol of the sacrifice and suffering of the atomic bombing victims.

I urge you to do everything possible to ensure that the Monument is completed as soon as possible.

Sincerely,

[Signature]

[Postage Stamp]

2.393

01.02.192

394-4012

2-353
Dear Senator Inouye, 4-11-92

I urge you to oppose the SDI program particularly in Hawaii. I'm a fifteen year old and with programs like this I'm afraid of what Ender's world I'm growing up in. I'm scared of the future for myself, the world and my children. I don't want this to be like Hawaii. If it's not for SDI testing here, the world isn't over. Our nation can not afford this extremely wasteful, costly, and harmful program. Please, oppose all further appropriation for SDI particularly in Hawaii. Thank you.

Sincerely,
Amelia Borofsky

Amelia Borofsky
34 Kaumualii St.
Kailua, Hawaii
96734

Senator Inouye
U.S. Senate
Washington, D.C. 20510

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, D.C. 20510
Dear Senator Inouye,

I am a resident in Kauai. I am opposed to implementation of the Strategic Target System as it will negatively impact Kauai. My main concern is that management impacts, especially marine environments, have not been adequately addressed. I plan to make an oral and written objection to STS during public hearings on Kauai. Please consider my concerns.

Sincerely,

[Signature]

Tom P. Hana
PO Box 1092
Kapa'a, HI 96746

---

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 like you. So please support us in saving it. Mahalo nanakoa Walli's Post

Michelle's BBQ

1384 Kuhio Highway

Kapa'a, HI 96746

---

Dear Senator Inouye

Is this the way we want to treat our most precious gifts? Are we not allowed to preserve what is best on our planet? Why save the dolphins if we risk endangering the people?

Aloha,

Michelle's BBQ

1384 Kuhio Highway

Kapa'a, HI 96746

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The Honorable Daniel K. Inouye

United States Senator

220 Hart Senate Office Bldg.

Washington, D.C. 20510

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The Honorable Daniel K. Inouye

United States Senator

220 Hart Senate Office Bldg.

Washington, D.C. 20510

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The Honorable Daniel K. Inouye

United States Senator

220 Hart Senate Office Bldg.

Washington, D.C. 20510
Dear Senator Inouye,

everytime I hear about what they're planning to do at PMRF, I can't believe what they say, it sounds crazy. Please try to stop them.

hawaii' is much too small and beautiful. for anything to be taken. Thank you, larry

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Please due not due this to beautiful land please stop and think is this what we want to due to this beautiful island.

Thank you.

Mary Cypress
590 Bayshore Highway
Kapa'a, HI

Please know we do for Kauai. No rocks. Respect our island and our earth.

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 & the Marshall Islands.

Lee Lee
No Missiles in Paradise!
please!!
Madame,
Meredith P. Feinberg

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Please
Save Kauai!
"No Star Wars"

Jane Steenburg

Dear Sir,

A short note asking your help in preventing the Star Wars Missile Launch site from being on the island of Kauai.

We want an alternative here for income such as agriculture.

Thank you.

Michele Davis
P.O. Box 401

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
Dear Sir,

I am writing to ask your support and assistance in stopping the war needle program on Kauai.

Kauai is a unique and beautiful place in the world and the radius that the missile launching pads on our home are made to be acceptable to me as well as thousands of other Livermore citizens.

Please help us in our cause. I look for your support.

Lori Nichols
550a Kuamoo
Kapaa, Hi 96746

NO, Missiles Please!
My daughter + husband live on Kauai and I visit yearly. It is not a place for me, but she's there.

Island

Aloha Senator

The people here-

's No.

mines on Kauai

you have the

portunity to let

our name be heard.

Sheri Moore

P.O. Box 372

Kauai, HI 96731

Mr. Inouye. I have seen you.

The good you have done.

Notice you added.

and saw you during the Committee. You

headed during the investigation of the illegal

Funding in Nicaragua. I was very interested

with you and I am

asking for your help.

The Honorable Daniel K. Inouye

United States Senator

In stopping the Star Wars Launches on

Kauai. I believe this Island and its

people are very beautiful and caring and

for such a thing as missiles to be housed

or even heard is wrong. I will fight I will

you will hear and join me and help thank

matters. Eel. Kea, P1.0. Paua 76746

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, DC 20510
Dear Senator Inouye,

This is to inform you that I feel very strongly that Kauai is not the place for launching these missiles. The injustice of what has happened to the people of Kauai is equal to just about every-thing we have done to the people of Hawaii. Please stop this now! Chris Bernard

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

---

Dear Senator Inouye,

I believe strongly that the Stargate is a sham and a waste of our hard-earned tax dollars. I believe that the magnificent island of Kauai should not be described by war and Please help stop this.

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

---

Dear Senator Inouye,

As a concern of Kauai I want to know if "Stars" of Stargate on Kauai. I do not want our island to be a base for missile launch. I am aware of the corruption behind this defense program and hope you will stop it.

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
DEAR SENATOR:

LET'S PUT A STOP TO MISSILE Launching IN THE PACIFIC MARSHALL ISLANDS AND GIVE BACK THESE ISLANDS TO THE NATIVES TO LIVE AS THEY WISH. IT HAP PENED TO EBEB. IS NO PLACE FOR GOOD CITIZENS TO LIVE AND HOPE FOR A FUTURE. HOW WOULD YOU OR I FEEL LIVING IN THESE CONDITIONS?

Sincerely,

[Signature]

[Address]

---

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

---

SENATOR,

YOU WOULD CERTAINLY NEED MORE WATER.

PLEASE DO YOUR PART TO STOP THE MADNESS.

[Signature]

[Address]

---

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
Dear Senator,

Please help!

Please do not allow the Star Wars Project to begin on our island of Kauai. Having just viewed "Home on the Range," made for Kauai, we are scared for our homeland. Mahalo.

Julie Hardy

[Postmark]

2002

Dear Senator,

Please stop the missile testing at Point Surland Kauai! (Postmark)

Respectfully,

[Signature]

U.S. Senator

[Postmark]

2002

Dear Senator,

I have a degree in Environmental Science from the University of California and am currently in the field doing research on Kauai's marine animals. I have read The Darkest Hours and must say it is not what the book is about. It was about chasing the stars. In regards to the stars effect on the near-shore marine ecosystem where many humpback whales winter in abundance, I strongly oppose any stars related activity taking place in such a delicate environment.

Sincerely,

[Signature]

2002

[Postmark]
Please stop the missile launches from Enewetak. The missile launches to Kwajelein Island. Our environment is far too precious to risk. The Kwajelein people's homeland and the Pacific Nations are not a dumping ground. Sincerely, Careen Diamond

Senator Inouye
I am Kwajalein Micronesian. Stop the missiles to the Kingdom of Hawaii.
Stop the missiles
Stop your government from further abuse of our lands. Mahalo mai.

I do not want STARS missiles in Hawaii!
I empower you to do what everyone can to stop this project at once!
Please let all stop this senseless pursuit of the USA war-machines.
Thank you for your concern.

Jonathan Weiner
4901 Hawaiian Rd, Prince, HI 96746
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

Ingrid Tillman
P.O. Box 818
Kilauea, HI - 96754
Mr. Jarvis
3631 HAUALA RD.
KAPAA HI 96746

Aloha,

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

I feel very sad and very angry that the Marshallese have been dumped upon so.

Nuclear weapons should not be based in the islands.
They should not be put in the front yards of those who want them.

Sincere regards,

Chauvaine F. Carmona
P.O. Box 254
Hanapepe, Kauai, HI 96718

Chauvaine F. Carmona
P.O. Box 736
Hanapepe, HI 96716

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

No STAR
WAR MISSILES FROM KAUAI OR ANYWHERE
PLEASE!
Dear Senator Inouye,

I am writing to urge you to help us to stop the test launches of missiles in the South Pacific.

Thank you,

Paul Hanoa
1700 Ala Rd
Kapa'a, Kauai, HI 96746
I was walking on the beach at Pohakale when I spotted two rocket fuselages laying on the beach. This is indicative of how clean the military is! The Army does the FIS with what incentive to police themselves? I DO NOT WANT MISSILES LAUNCHED FROM KAUAI!!! (Collin Beach 96766 General Delivery Lihue)

March 19, 1999
Senator 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, DC 20510

Mary Michelle Jones
221 Kahala St.
Lihue, HI 96766

March 19, 1999

CENIC MERRORS
PO Box 626
HANALEI, HI 96714

No Rockets
in Proposed

David Jacobsen
PO Box 3570
Princeville, HI 96722

NO ROCKETS
IN PARADISE
Please!!!
Dear Senator Inouye,

I want to join the numerous others who wish to express their strong opposition to the transfer of military bases from Okinawa. This is the time for serious work and money to be spent in education, especially those of Hawaii, and the Marshall Islands. Sincerely,

[Signature]

Hale
Senator Inouye
Kauai, HI

Dear Senator Inouye,

Please bring peace to the Homeland. Benefits that could be made available by putting money into peace rather than expensive technological warfare equipment. People need food. Thank you.

[Signature]

2-370
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 sampled data recovery/research and documentation planned? If not, 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 NHA 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 or 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?

Exxon

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 refers to the proposed annual release of freon by the STARS program of about 360 kilograms, (approximately 0.05 percent contribution to the worldwide release rate), as "minor." The significant factor distinguishing these freon releases from other releases throughout the world is the introduction of long-lived chlorofluorocarbon (CFC) releases directly into the stratosphere. The DEIS should address potential impacts of ozone depletion resulting from the freon releases on the following:

1. This DEIS appears to be part of a larger project which includes the BIX operations, and an as yet unconfirmed project which will be fenched together in a portion of the facility. State EIS regulations require that a group of actions proposed by an agency or applicant shall be treated as a single action when the component actions are phases or increments of a larger total undertaking (Title 11, Chapter 200, Section 7, EIR Administrative Rules).
U.S. Army Strategic Defense Command  
April 13, 1992  
Page 3  

1. Current and projected incidence of carcinoma and melanoma;  
2. Current and projected incidence of cataracts;  
3. Projected reduction in productivity affecting marine fisheries and aquaculture;  
4. Projected loss of tourist 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 launches adequately. Our reviewers have suggested that the DEIS should include discussion of possible noise and air quality impacts to endangered forest birds residing offsite.

Ophiocolla conchella 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 ephebolically, when leaves and sprouting develop in the 7-12 months after heavy rains. What mitigative measures are proposed for Ophiocolla conchella and under what circumstances will they be implemented?

Nothing is known of the transplantability of Q. conchella. Under the provisions of the Federal Endangered Species Act, transplantation of Category 1 plant species Q. conchella may be acceptable at this time. However, at the point that it becomes officially recognized as 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 disturbance, 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 discuss the potential impacts of a launch pad accident in more detail.

U.S. Army Strategic Defense Command  
April 13, 1992  
Page 4  

2. In the event of an accidental release, it is possible that an onshore wind might carry release products to the highway adjacent to PBFP and populated areas of Konawa such as Konawa. What potential impacts of a release on populated areas of Konawa can be anticipated?

3. The document should present state standards for emission levels of carbon monoxide. Why is 3000 meters chosen for the 5-hour average concentration levels.

4. Our reviewers reiterate that the fuel vent experiments would contribute to further ozone depletion. Also, transporting and storing the hydrazine fuel needed for these experiments is highly hazardous. We suggest that the DEIS should therefore consider the "no action alternative" for these experiments specifically.

Launch Activities

Section 4.10.1.3 (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 entire system, assuming that failures of components are independent. Is this how the overall system reliability is determined? The crucial test of this calculation is to actually do test launches of the entire system. Some information should be provided with regard to the results of previous test launches of Polaris boosters to 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 40 successful launches is only 30 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 Aries launch failure at Cape Canaveral on August 20, 1991. Press accounts of the Aries failure stated that the destruct command from the ground was issued 32 seconds into the flight and that burning debris hit the ground "a few miles from the launch pad." The STARS EIS should indicate to scale on a map of the area around PBFP, 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?

TRUP & REEM Computer Models

Our reviewers found the discussion of the TRUP and REEM 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 REEM 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 wasn't the comparison done for the same wind speed? Is the wind speed parameter significant? Tables 3-1 and 3-2 of the Supplement to the STARS EA, TRAF results are given for a wind speed of 0.45 m/sec. Our reviewers believe this result is important, because the carbon monoxide concentration is predicted by TRAF to exceed the Hawaii 1-hour air quality standard at the boundary of the launch hazard area. The PEERM 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 0.252 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 PEERM. 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 TRAF and PEERM 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 Upon 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 PRF need to be clarified and considered in more detail. For example, page 2-20 mentions that during the ten years of STARS launches, there could also be three EDX and eight Vandal launches per year in some years. Appendix C indicates that the ground hazard area around PRF for these launches might have to be cleared as many as thirty times per year. The Vandal 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 oxygen release on pages 4-20 to 4-21. The 360 kilograms of oxygen 11402 (also known as halon 2402) that would be released yearly by STARS launches is compared to the current amounts of CFs in the stratosphere, but no mention is made of international agreements, such as the Montreal Protocol.
April 12, 1992

U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. 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.

Page 2

Based on these facts, I believe that the EIS should go into greater detail in describing PMRF's long and continuing history of benefitting the community and the benefit that the community would lose 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:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries (military, contractor, civil service and Non-approp.)</td>
<td>$30,397,000</td>
</tr>
<tr>
<td>Construction projects</td>
<td>$7,400,000</td>
</tr>
<tr>
<td>Utility costs</td>
<td>$1,707,000</td>
</tr>
<tr>
<td>Purchases</td>
<td>$7,522,200</td>
</tr>
<tr>
<td>Expenditures for leases, travel, aircraft consumables, etc.</td>
<td>$6,084,000</td>
</tr>
<tr>
<td>Combined operating budgets of tenant organizations</td>
<td>$21,349,000</td>
</tr>
<tr>
<td>*Official visitors</td>
<td>$3,334,500</td>
</tr>
<tr>
<td>Impact Aid Funds to schools</td>
<td>21,300</td>
</tr>
</tbody>
</table>

**Total estimated economic impact:** $77,915,800

Jobs at PMRF include:

- Civil Service: 130
- Military: 134
- Contractor: 456
- Non-Approp. Fund: 65
- Tenant Org.: 124

**Total:** 902

*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 $337,500 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 $17,300 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

1. 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 Sandie's Kauai Test Facility:**
- KTF employs 14 permanent, on-site personnel.
- KTF's $500,000 to $2.5 million annual operating budget is a beneficial factor in Kauai's economy.
- KTF employs 50 to 75 transient personnel from the mainland during operational periods (60 days per year) for missile launches.
- Example: During ZEST launches conducted 2 and 10 September, SDI spent $750,000 for lodging at local hotels and transportation of transient personnel who were offboard PMRF to support the launch.
- Up to 150 transient personnel 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**
- Civil Service Employees: 113 (approx. 77 percent are local hires).
- Military: 137
- Contractor: 456
- Tenant organizations: 140 (approx. 99.9 percent of contractor and tenant organization employees are local hires).
- Total expenditures (including tenant activities): $12.5 million.

**FY 91 (PMRF) Operating Budget: $51,155,000**
- Civil Service payroll: $5,000,000
- Military payroll: $4,500,000
- Contractor payroll: $11,000,000

**FY 92 (PMRF) Operating Budget: $51,151,000**
- Civil Service payroll: $5,000,000
- Military payroll: $4,700,000
- Contractor payroll: $11,900,000

**PMRF Construction Costs:**
- FY 91: $5,257,000 (actual)
- FY 92: $7,400,000 (estimated)
- FY 93: $14,6 million (estimated)
  - Parking Apron: $4.5 million
  - 13 family housing units: $4 million
  - Special projects: $6 million

**Visitors (off-site):**
- 20,250 visitor days x $149/day per diem = $2,997,000 + $337.5 thousand auto rentals
- excluding extra days and family travel (based upon 4,500 vehicle passes (on orders) x 1.5 people x 3 days (average stay))

**PMRF Purchases (FY 91):**
- Total purchases: $5,593,355
  - From small businesses: $3,457,062

**PMRF Purchases (FY 91):**
- From minority businesses: $727,132
- From large businesses: $2,125,463
- Purchases within Hawaii: $3,919,207
- Purchases within Kauai: $3,500,000

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. 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
  - FCA Toys for Tots Campaign
  - Annual surfing contests
  - Scouting
  - Kauai Educational Association for Science and Astronomy (KEASA)
  - Adopt a School Program
  - Officer for a Day Program
  - 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 bachelor's 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/maintains several endangered species of plants and sea mammals that are found on base and on our beaches.
- PMRF's OSH safety officer, who is also a Hawaiian minister, advises the command on Hawaiian traditions, customs and sensitivity.
- 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; search and rescue services. EMT and our fire department works closely with the County fire crews to support the community.
- PMRF Range boats have saved the lives of fishermen... rescues at sea and towing in stricken 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 Polihale Beach Park. Additionally, we support the County of Kauai with labor and equipment when County officials have requested.
In addition there is a mutual aid agreement between the County of Kauai and PMRF covering police services, firefighting services and medical services.

PMRF has an excellent relationship with Kauai Sugar Company.

2. Information derived from the Draft Environmental Assessment reflects PMRF's total expenditures of $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 underling in the State
Department conceived the idea of a "Cold war" and sold the idea to the Secretary of State, who in turn sold it to the
administration and the terrifying arms race was born.

The Communist Soviet Union was selected as the cold war
threat, and was drawn in to 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
exists.

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
Alabama, 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 Alabama, when armed, and we
can't tell you if it is armed at this time, has more fire
power than everything combined that was used during WWII, in
fact more firepower than all firepower expended since the
beginning of time.

Name: James M. O'Donnell
Address: P.O. Box 3500-Northen Harbor, AK 99701
City/State/Zip Code: Juneau, AK 99702

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 1520
Huntsville, Alabama 35802-1520
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 KUAII DO NOT WANT THEM!!!!!!

In addition, the spectre 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 problem 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.

ADDITION:

On the second day of the public hearing the New York Times published on its op-ed page an article headed "Star Warriors or 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 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 thousand times more powerful than any bomb ever built, a bomb so powerful it could never be detonated on Earth."
I think you guys are a bunch of low life idiots trying to look good by dealing with big weapons. The army is a bad influence for little children growing up. They think the cool thing to do is to play guns and army and to shoot innocent people, cause that's what society does.

OUR ISLAND PARADISE

OUR

Name: Chia Grothe
Address: 633 Kauaihau Rd.
Kopan, Kauai, HI 96746

417/92

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 864
Kilauea, HI 96754
Dear Mr. Gallien,

I live here on the island of Kauai and to say that I'm appalled at the recent information I've been hearing would be a great 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 Aldric Scouier revealed about where our large amounts of tax dollars go
5) Lastly, the undesirable 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.

Y.M. Holloway

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSED-EN-V (D.R. Gallien)
Post Office Box 1500
Huntsville, Alabama 35807-3801

12 April 1992

Dear Sir:

I have read the Draft Environmental Impact Statement for the Strategic Target System, dated February 1992, and I agree with the overall finding of no significant impact. I watched the majority of the public hearings 24 and 25 March 1992 and I do not agree in any manner with the idea commonly proposed there by the opponents of the program of essential total destruction of the island of Kauai due to any impact on the environment of Strategic Target System related actions.

The only area in which I would like to see more data or analysis would be in the localized impact on stratospheric ozone levels. The document basically relates impacts to the total global environment, yet my understanding from the common media is that ozone is apparently being depleted in localized areas. While I still do not imagine a significant impact due to these proposed launches, I would like to see an analysis of the localized impact if possible.

To repeat, I agree with the overall findings in the Draft Environmental Impact Statement of no significant impact.

Sincerely,

[Signature]

Mark H. Damron
P.O. Box 706
Hanaapele, HI 96716
Dear Senator Enouye,

We 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 ozone-layer, but also negative consequences for the tourist-visits, our main source of income. The outcome the total issue has already on the relationship of the islanders is something very saddening.

We ask you to use your influence to stop it and respect the fragile balance and ecology of this small island.

Sincerely,

Svenja Ernrich
P.O. Box 818
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.

The Draft EIS is totally insufficient and was not conducted by an independent organization. The main source of income on Kauai is the visitor industry. Our tourists are attracted by the natural beauty of the island. The EIS did not satisfactorily address adverse effects on our economy or even the potential of an accident. Kauai is home to many endemic species 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. No Action is called for.

Name: ______________
Address: P.O. Box 113, Kauai, HI 96754

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-SNF (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 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. I am 9 years old in grade four and I think they should spend the money on something more useful like education or medical services. In school we are learning about our earth, 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 beautifulness. 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,

Name

Address

Please hand this form in or mail by April 15, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-EN-V (D.R. Gallien)
P.O. Box 1300
Huntsville, Alabama 35807-3801

Dear Senator Inouye and Mr. Gallien

I strongly oppose the idea of Star Wars program on the island of Kauai for many reasons.

As a member of this community, and a supporter of FMRF, 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 Poikehu 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 sure why the text was not transferred correctly. I oppose the Stacks Project on the principle that it will affect health and the effects of the workers can only be negative. I can't speak on all my positions for you have heard them already many times. 

By my yellow cowsake in waiting and during the hearings (which I have attended),

I have visited the locals and explained the need to the workers. At each of these people truly believe their jobs are at stake. I have seen this happen in one newspaper article - but did not seem to make it to the workers. At Tuesday night's meeting, the news from here were screaming the need on welfare. The Stacks Project did not proceed on this island, this is a lie who

Name: Lucienne Richardson

Address: PO Box 501

Kilauea HI 96754

I have to believe it is a bunco. They were purposely planned in order to force the workers at Pahoa to stand up and fight for the Stacks Project (in fact 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 - or some such opinion as to the benefit of such a program. No, people spoke up for their jobs. This is unfair propaganda - 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 paid for all those yellow T-shirts. 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 tax payers dollars? I sincerely hope not.

Thank you for giving me this opportunity to express myself.

Sincerely

[Signature]
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 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, kaua 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 Kwajelein’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 Kwajelein 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 Kwajelein, 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.

Huelionalani M. Wyeth

[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 so little of all as well as the safety of my life and that of my unborn child.

The Star Wars Program is a lie. It is important that we act to halt this nonsense and remove SDI Project now. How can the US Government spend billions of dollars on SDI as innocuous to the environment and its inhabitants? The impurity and anguish the previous testing of nuclear missiles have caused the indigenous people of the Marshall Islands is inhumane.

Name: Melissa Morrow
Address: General Delivery, Kilena, Kauai, HI 96754

They must be compensated for the unconscionable crimes already committed against them. No further testing can be tolerated.

When the 'war toys' destroyed enough lives, damaged enough of our ecosystems and rendered enough land uninhabitable? Please keep these 'death machines' off Kauai. The Polaris 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 high conscience and be conscious on this issue, as it will inevitably have global consequences.

I implore you to stop the SDI's program planned for PMRF and protect the future of Kauai and the Pacific Islands.

Thank you,

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

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.

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 response to an accident of this type.

2. 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. Lein, M.D.
Director of Health

C: Solid and Hazardous Waste Branch
Mr. Randy Gatlin, USASDC CSSD-EN
106 Wyman Drive
P.O. Box 1600
Huntsville, Alabama 35807-3601

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/fueling 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 Response 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) 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, Ph.D.
Deputy Director for Environmental Health

cc: Office of State Planning, Attention: John Nakagawa
Robert F. Shearer
Shearer

Page 2

This has been discussed in the EA for STARS and EDX (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 KTP, and some deposits were found near bore holes 81 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 (1991), Vet (1991), Shull (n.d.), Walker and Rosendahl (1990), Jones (1992), Leidemann and Kirchmair (1990), Smith (1990), Douglas (1990), and Schults (n.d.).

4. Under Section 4.5 Cultural Resources, page 4-30, your DEIS mentions fire (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 KTP were extinguished by dousing the sand on top of the fire. This practice should be avoided. The best mitigation for historic site protection may be to let the fire burn itself out. The FEIS should describe mitigative fire control measures during a fire. We agree with the USNMC archaeological survey.

All discoveries should be treated under NAGPRA, unless an MOA (the FMF-STARS 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 will be signed immediately from the Base Commander to the OKF and Huli Malama Na Kapuna O Waiuli Hei.

You have set up a contingency plan for mitigation should any historic site or artifacts 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 (KTP, DOE, U.S. Navy Archaeologists, SHPO, and appropriate Hawaiian groups) shall occur to determine the appropriate form of mitigation (data recovery/preservation).
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

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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
M.S., 1977, Administrative Science, Naval Postgraduate School
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
B.S., 1961, Chemical Engineering, Purdue University
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
Edd Joy, Senior Geographer, The Earth Technology Corporation  
B.A., 1973, Geography, California State University, Northridge  
Areas of Responsibility: Public Health and Safety  
Years of Experience: 17

Clay Kagawa, Associate Public Works Officer, Pacific Missile Range Facility  
B.S., 1966, Civil Engineering, University of Hawaii  
Licensed Professional Engineer, 1970  
Areas of Responsibility: Description of Proposed Action and Alternatives  
Years of Experience: 26

Cheryl Kimura, Electronics Engineer, Pacific Missile Range Facility  
B.S., 1989, Electrical Engineering, University of Hawaii, Manoa  
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

Andrew O. Linehan, Program Manager, Environmental Documentation and Facilities Siting,  
CH2M HILL  
M.A., 1984, Public Affairs and Urban and Regional Planning, Princeton University  
B.A., 1978, International Studies, Reed College  
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

George M. Mathews, Jr., Senior Air Quality Specialist, Advanced Sciences, Inc.  
M.S., 1990, Mineral Resources Ecology, Colorado School of Mines  
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


——. 1992. Hawaii Department of Land and Natural Resources, Division of State Parks. Personal communication. 16 April.
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