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# Environmental Impact Analysis Process

**Final Environmental Impact Statement**
**Part IIB**
**Proposed Central Radar System**
**Over-the-Horizon Backscatter Radar Program**
**May 1987**



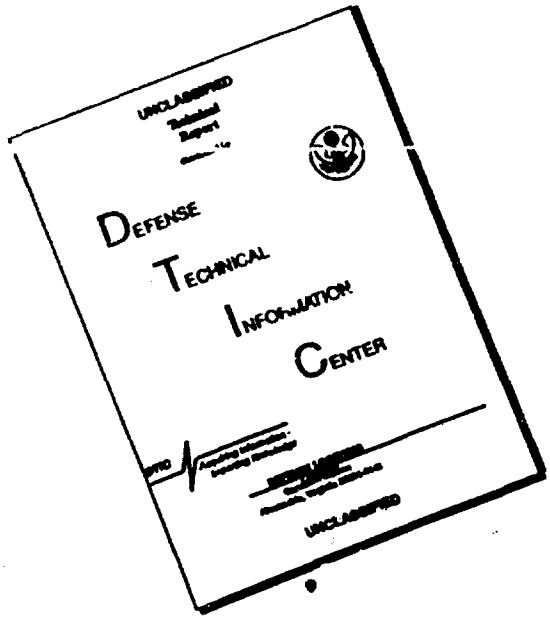

**DEPARTMENT OF THE AIR FORCE**
**AIR FORCE SYSTEMS COMMAND**
**ELECTRONIC SYSTEMS DIVISION**

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**Air Force**
**Environmental Planning Division**
**(HQ USAF/CEVP)**

Room 5B269
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Washington, DC 20330-1260

16 JUL 93

MEMORANDUM FOR DTIC (Acquisition)
(ATTN: Matt Mauby)

SUBJ: Distribution of USAF Planning Documents Forwarded on 1 JUL 93

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Jack Bush, GM-14

**Mr. Jack Bush**
Special Projects and Plans
703-697-2928
DSN 227-2928

COVER SHEET

(a) Responsible Agency: U.S. Air Force

(b) Proposed Action: Construction and operation of the Central Radar System, an Over-the-Horizon Backscatter (OTH-B) radar system that would be located in the north central region of the U.S.

(c) Responsible Individual: Lt. V. G. Brown
ESD/SYO
Hanscom AFB, MA 01731
(617) 271-5360

(d) Designation: Final Environmental Impact Statement (FEIS)

(e) Abstract: This document describes the probable environmental impacts of constructing and operating a new surveillance and tracking radar that operates in the High-Frequency band of the electromagnetic spectrum. The radar system would consist of four very large transmit antenna arrays located in either northeastern South Dakota or west-central Minnesota, four larger receive antenna arrays located in either eastern North Dakota or northwestern Minnesota, and an operations center proposed for Grand Forks Air Force Base, North Dakota. Four areas were considered for the transmit arrays, five areas for the receive arrays, and one site for the operations center. Potential significant physical and biological impacts can be avoided or minimized by careful selection of the transmit and receive sites. The key environmental concerns are erosion in areas where substantial grading would be required, interruption of water courses and drainage patterns, disturbance of migratory bird habitat, and the potential for birds colliding with the antennas. Moderate economic stimulation of local economies would result from construction activities, but the benefits of continuing operations would be small. Electromagnetic interference with telecommunication systems is unlikely. No reliable evidence exists that chronic exposure of humans to the radiofrequency radiation levels outside the exclusion fence surrounding the transmit site is likely to be harmful.

(f) Released to the public May 22, 1987.

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(Bound Separately)

Draft Environmental Impact Statement
(August 1986)

Part II*

Public Comments and Air Force Responses


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# 4 COMMENTS

This section contains written comments that were submitted at the public hearings or subsequently by mail. At the public hearings, comment sheets were distributed to all attendees to determine whether they wished to ask a question, offer oral comments, submit a written statement, or receive a copy of the EIS. The form provided space in which to write comments for inclusion in the Final EIS. Most comment sheets received were submitted at the hearings; some were sent later by mail. Other correspondence with comments or questions or offering information was also received.

The written comments and letters are reprinted here in two subsections. In the first, in place of reproducing the entire form, remarks submitted on the comment sheets have been extracted, along with their author's identity. These comments are grouped according to the hearing at which they were submitted. Forms that were submitted without comments were made a part of the Environmental Impact Analysis Process (EIAP) file, but no information (e.g., the name of the individual) was extracted for inclusion in the Final EIS.

Letters received are reprinted in their entirety in the second part of this section, in approximate order of receipt. They are grouped to correspond to four geographic areas (North Dakota; West Central Minnesota; South Dakota; and Northwestern Minnesota). Letters from state and national agencies and organizations are grouped separately.

Responses to questions or issues raised in the public comments, whatever their source, appear in Section 5. The responses are of two types. General responses (identified by the letter G preceding a number) were prepared to address, in a comprehensive way, the various aspects of certain topics that drew many comments. Letters that comment on those topics are annotated at the top of the first page for reference. Additional comments for which specific responses have been prepared are numbered in the right hand margin of this section.

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A-1

4.1 Comment Sheets

4.1.1 Grand Forks, North Dakota

George W. Kerestes

815 Duke Drive #213, Grand Forks, ND 58201

I am interested in offering my services in whatever way I may help. My background is the Sciences, Master's degree in Administration and Supervision, at present semi-retired. Thank you.

Marvine Honea

2615 5th Avenue N., Grand Forks, ND 58201

The most important crop is a race of healthy men and women.
Defense spending needs to come to an end. PES (Priceless Economic System) will take care of that.
There is too much uncontrollable radiation already.

Helen M. Vinje G3, G6

Box 29, Clifford, ND 58016

The loss of revenue is of great importance to our small schools in our area. I understand that any land purchased will cease to produce taxes for our schools. Most acreage in our area is of the best producing land. My impression of world conditions leads me to object to taking extended acreage out of production.
Is it possible that we can believe in what the USAF says when said organization has denied the existence of UFOs?

Lloyd Putney

Route 1, Box 207, Bismarck, ND 58501

I am in favor of locating this system in N.D. I have reason to believe that it will interface nicely with our Defense Systems already in place in N.D both economically and environmentally. We as ironworkers in this Great State of ND welcome the Air Force and this Backscatter Radar System and the jobs and economic values that it brings to N.D. Myself and my members feel that this can be accomplished with a minimum impact on our environment.





Dwight Garrett G3

RR 2, Box 28, Mayville, ND 58257

Garth Garrett, my father, has land in the Blanchard receiving site that would be available to the government for such use.

Herbert D. Welte, Jr. G1, G2, G3

Route #1, Aneta, ND 58212
Why is the Backscatter to be situated here? Why must it be here in North Dakota? Must North Dakota give up 2,400 acres of land again?, as we have already the missiles and the air bases.
What weight does the Public Comment have in relation to this project?
Has the decision already been made to have this OTH-B System here?
Since the Government installation at Nekoma and Concrete, ND, are not being used, . . . . [not completed]
Target?
Effects on birds?

Ralph Berg G3

Route 3, Box 521A, Park Rapids, MN 56470

Have the exact boundaries of the receiving site of the Thief River Falls site been determined? 42
If so, what are the boundaries of said site?

John R. Engel G9

Forx Amateur Radio Club, 616 8th Street S.E., East Grand Forks, MN 56721

How will the OTH-B radar system differ from the OTH system used in the Soviet Union, which causes interference on Amateur frequencies from 7.0 MHz to 14.2 MHz?
What are the approximate frequencies that will be used? 43

John Rodgers

c/o Nodak Electric, Box 1478, Grand Forks, ND 58201

Has the location of existing main power lines with the capacity capable of supplying the OTH-B energy requirements been considered to minimize power line construction? What is considered high voltage? 44

G2, G4, G9

Carl H. Altenbernd

Lake Agassi Regional Council, 321 N. 4th, Fargo, ND 58102

State of art/projected length of use.
Disbanding procedure when life is discontinued (impact farms).
Interference - state of operation whereby they would have to cut into certain radio bands.

James Schneider

Box 1537, 1000 East Divide, Bismarck, ND 58505

I would appreciate information relative to job titles and job specifications for civilian personnel to be employed following construction.

45

Louis & Carolyn Hugg

Rt. 5 Box 108, Thief River Falls, MN 56701

We are in favor of getting this in our area.
We have 80 acres on a ridge within the area of choice for the radar system. We do live here in a new home we built in 1976, but would be very willing to sell or lease.

4-3

Lynn Porter

Box 542, Hillsboro, ND 58045

Please don't put the Central OTH-B Radar System in the Blanchard area! Why ruin more farmland and the waterways than you already have!!!

Joel Berkas

G3, G6

8075 Edgewood Drive, Mounds View, MN 55432

I am writing to you concerning the proposed OTH-B radar system that may be located in the Blanchard, ND area. My sister and myself are land owners in Bloomfield Township, which is in Traill County that I understand would be affected by this site.
This land has been in our family since the turn of the century, and we would like to be able to pass this on to our children. After the death of my father, my mother has been receiving the revenues from the land to support herself in addition to her social security. We would like to see this continue as she is elderly and may have to move into the nursing home in Hillsboro, in the near future.



It seems that it would make a lot more sense to use federal or state land, or marginal land, rather than the excellent farmland that is located in the area
I would ask your support to try to have this located at a different site than the one at Blanchard, ND.
Thank you for your time and consideration.

Gene Porter

G3, G5, G6

RR Box 71, Grandin, ND 58038

We are concerned about water runoff, underground tubes in this country will not work because they will freeze shut during the winter and in the spring the water will flow across country. Also, townships will not be able to financially keep the roads in condition during construction. Letting the site go to weeds, we will have seeds blowing onto other land.
With the proposed area, you are taking prime farmland here in the Red River Valley out of production. It seems wasteland or marginal land could be used.

Mae & Ed Tate

G1

Box 255, Grandin, ND 58038

I would like to see the October 6 deadline extended to December 1, 1986 to give a little more time for us to really get acquainted with the overall situation.
I would also like to have another open meeting to learn more about what is actually being done.

Glenn & Grace Porter

G1, G3, G6

RR 1, Box 62, Grandin, ND 58038

As a concerned landowner in the area of the proposed radar receiving site, I believe more time and information is needed for everyone in this area.
I think a site could be found that would not be so populated or as valuable for food production.
The loss of tax base would create a problem for schools and township government.
I propose a postponement of the cutoff date and another hearing held in this area.

William P. and Patricia J. Motter

G5

Route 1, Box 55, Hunter, ND 58048

There is a big water problem in 144-52 Greenfield Township and 144-51 Bohnsack Township. If no water can lay on this site or flow over it, there will have to be dikes built around it.

This will force acres of water onto surrounding land and cause bigger problems, such as erosion and crop loss.

I am enclosing some pictures of this area.

Muriel K. Oliver

G4

1258 NW Summit Avenue, Portland, OR 97210

Although my understanding of the report suggests our property would not be selected because of the flyway location and archeological possibilities, I would expect that if the government does choose our area, we would be compensated for at least the same value that we were required to pay inheritance taxes on. Actually, the seven of us feel the land is worth more and we're prepared to put it on the market but be willing to wait for a good price.

4-4

Marlin Stokke

G3

RR 1, Box 84, Grandin, ND 58038

I am a landowner in Bohnsack Township, which is included in your Blanchard study area. The land in this area is much too productive to be used in this manner. In the Grand Forks Air Base area, there is much pasture land available that is not acceptable for crop production and would be a better choice for your construction site.

Joel Thorsend

G5, G6

RR 2, C-37, Hillsboro, ND 58045

I am opposed to the radar plan in our area as I feel it will hurt the township tax roles. I also feel it will cause water drainage problems which we are trying to improve.

Mrs. Dale Peterson

G1, G3, G8

Box 61, Hunter, ND 58048

We just become aware of this going on. Why was it kept so secret??

We should have been notified as to the meeting and what was being planned.



We much oppose using good fertile land, when there are so many places of poor land.

We also oppose living right next to all the radar--when they do not say it won't harm us.

Wes Ecker

G3, G4, G5, G6, G8

Box 77, RR 1, Grandin, ND 58038

We are opposed to the proposed radar site near Blanchard. We feel there is potential for damage to the topsoil by being buried in the leveling process. By destroying the natural and man-made waterways, we fear flooding will be a real problem.

We are also concerned about the loss of tax revenue to the affected township as well as a noxious weed problem if the site is not properly maintained.

We fear potential health hazards from high energy levels and are concerned that this might be a choice for a future hazardous waste dump.

Paul Ponte

R 2, Box 6, Blanchard, ND 58009

We have rural water lines underground. We have electric lines underground. We have telephone lines underground. What happens to them when they need repairs; can the men go in and fix them?

I live on Sec 7-144-51 Bohnsack Township, Traill County, ND.

46

Erik Levandowski

G2, G9

320 Broadway, Thompson, ND 58278

Amateur and shortwave radio users have been contending with the Russian "woodpecker" for years; there over-the-horizon service must work!? I find it unfortunate this technology is to be used; it is assuredly inferior to satellite detection. . .isn't it? What really burns me is the use of radio spectrum usually assigned to "hams;" will our system use government- and military-assigned frequencies?

Mildred McSparron

Grandin, ND 58038

If this radar system is built in this area, it will destroy many family farms dating back over 100 years, which is destroying what our heritage is about and taking our livelihood from us.

Mr. & Mrs. Ted Bygh

G3

RR 1, Box 63, Galesburg, ND

Our community has been a quiet, clean, peaceful place to live--we have felt secure. Will it change, will we be more vulnerable if we have a radar system? We do realize, as a nation and as good citizens, we must be willing to protect ourselves, so this must be necessary. But we do see land that is less productive than the places your have chosen that could be used. Don't take the best land in Traill County if you can do as well some place near. Thank you!

Helen M. Vinje

G2, G3

Garfield & 2nd St., Clifford, ND 58016

My protest must be directed at the waste of money being spent for a defense system that will be obsolete before it is finished, or perhaps before it is even begun, as was the case of the missile silos. Millions of dollars could be used to better advantage in exchange programs where people of other countries could learn to know us, and we them. Also, it uld be used to ship our surplus food to starving millions. I also bject to our prime farmland being taken out of production.

4-5

Dunbar McSparron

G3

Box 72, Grandin, ND 58038

We feel that there must be a more appropriate place for this large a project than in the fertile farmland in the Red River Valley. The loss of farm families and their life work cannot be replaced.

Kevin D. Hansen

G1, G3

R. 1, Box 76, Hillsboro, ND 58045

I would like the comment period extended to December 1, 1986, because there are too many unanswered questions.

Also, your DEIS has some wrong information. Example, there is a rural water system serving individuals in the Blanchard site, not wells. 59



Cynthia Jo Hansen

G1, G3

R. 1, Box 76, Hillsboro, ND 58045

Please extend your comment period to December 1, 1986. Also take the time to meet with the government (we the people) at each individual site. Did you ever consider using one of the Air Force's abandoned radar sites? There is one 50 miles from Grand Forks AFB. It's at Finley, which has much better water drainage.

Kenneth & Dorothy Halvorson

G3

RR 1, Box 105, Hillsboro, ND 58045

We are landowners in the Red River Valley in the proposed Blanchard site. We are not in favor of the Central Radar detection system being built in this area as Traill County has the highest valuation in the state of North Dakota and the Blanchard site is in the heart of Traill County.

Because of this fertile land, we would like to see the proposed detection system being put on less valuable land--also where it will affect the lives of fewer people.

We are wondering why the Finley Radar Station, which the Government already owns, cannot be used for this purpose.

We are not in favor of the location of the present site.

John Porter

G1, G4, G5, G6, G7, G8, G9

Box 134, Hunter, ND 58048

I don't feel the landowners were given a proper notice of the intent of the Air Force. Out-of-state landowners had no notice at all and had no chance to comment or ask questions.

I feel the only fair response the Air Force could make would be to have a public meeting to clear up some of the questions being asked.

Reason number 8 on next page [below] is a question that is being asked a great deal.

Concerned Citizens Opposed to the Central Radar System [Attachment]

1. We request an extension from October 6 to December 1, 1986, of the comment period for the draft environmental impact staement of the proposed Central Radar System.

2. We request a hearing to be held in each area. (Hillsboro National Guard Armory for the Galesburg and Blanchard study areas.)

Reasons for our Opposition to the Project

1. Health Issues - No reliable statistics or data concerning health hazards.
2. Tax impact on county, townships, and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
5. Lower value of adjoining land and buildings.
6. Negative impact on county and townships roads during 3-5 yr. construction period. Maintenance of roads during and after construction.
7. No lasting benefit to the economy (local) after construction.
8. After 20 years the site could become a refuse area for military use.
9. Local communications such as radio, TV, business, and citizen band radios in the immediate area could be unreliable.

4-6

Loren E. Radebaugh G3, G4, G5, G6, G7, G8, G9

RR 1, Box 58, Grandin, ND 58038

My main concern is why the U.S. Air Force or government has to take some of the best farming land in the country and use it for their radar site. With such a small percentage of land fit to raise crops in our country why take some of the best when there is such a much larger percentage not fit for farming? The other issues on the attached sheet *[below] are also valid reasons for not implementing the radar system* in our area. Please consider my concerns in your decision as to the location of the site.

Reasons for our opposition to the project [Attachment]

1. Health Issues - No reliable statistics or data concerning health hazards.
2. Tax impact on county, townships, and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
5. Lower value of adjoining land and buildings.



6. Negative impact on county and townships roads during 3-5 yrs. construction period. Maintenance of roads during and after construction.
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8. After 20 years the site could become a refuse area for military use.
9. Local communications such as radio, TV, business and citizen band ratios in the immediate area could be unreliable.

Eldon & Elaine Saunders G3

Hunter, ND 58048

The thing that bothers me is destroying this prime farmland. Our children may need it. There is certainly more marginal land not too far away. *Why not use the site at Nekoma, N.D , which is already owned by* the Army and ruined for civilian use. I don't buy the idea that no other site would do. It will probably be traded off like Nekoma was anyway after the damage was done.

Reasons for our opposition to the Project [Attachment]

1. Health Issues - No reliable statistics or data concerning health hazards.
2. Tax impact on county, townships, and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
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6. Negative impact on county and townships roads during 3-5 yr. construction period. Maintenance of roads during and after construction.
7. *No lasting benefit to the economy (local) after construction.*
8. After 20 years the site could become a refuse area for military use.
9. Local Communications such as radio, TV, business and citizen band radios in the immediate area could be reliable.

Mr. and Mrs. Gerald Kyllo G3

Route 1, Box 61, Hunter, ND 58048

Since we own and farm land in the designated area of possible radar receive antenna, we do strongly object to having GOOD land idled for 20 years or more. Surely there are experts who can research and locate this security equipment in a more remote and unproductive area. How about checking out the (dismantled) Nekoma site (in North Dakota)?

We just plain do NOT want a site located here!

Donald McInnes G3, G5

RR 2, Box 141, Hillsboro, ND 58045

Having the Central Radar System located in prime farm country is a serious mistake. There is plenty of marginal land within 50 miles of the Grand Forks Air Base.

I think you have overlooked that there is a rural water system that weaves all through this area, and being a valley, this entire area is subject to severe flooding at certain times of the year. 59

4-7

Concerned Citizens Opposed to the Central Radar System

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2. We request a hearing to be held in each area. (Hillsboro National Guard Armory for the Galesburg and Blanchard study areas.)

Reasons for our opposition to the project [Attachment]

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3. Drainage and water problems.

4. Prime family farmland will be destroyed.

5. Lower value of adjoining land and buildings.

6. Negative impact on county and township roads during 3-5 yr. construction period. Maintenance of roads during and after construction.



7. No lasting benefit to the economy (local) after construction.

8. After 20 years the site could become a refuse area for military use.

9. Local Communications such as radio, TV, business, and citizen band radios in the immediate area could be unreliable.

Ed Brandsted G3

RR 1 Box 73, Galesburg, ND 58035

I am in favor of national security--and this radar system--as long as our congressional leaders agree that we need it.

I am opposed to building such a facility on good farmland! It is hard for me to see that marginal or nontillable land is so hard to find.

Gerald S. Radebaugh G3, G5, G6, G7

RR 1, Box 57, Grandin, ND 58038

I feel that taking prime farmland for this purpose is wrong. The township is hurting for operating money now and would be further taxed without the taxes on 4 sections.

Drainage may be a problem if water would not be allowed to cross this area. Our township roads could not stand heavy machinery traffic; therefore, this site should be located at major roads. Why not use poor wasteland such as south of Thief River Falls?

Concerned Citizens Opposed To the Central Radar System [Attachment]

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Reasons for our opposition to the project

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8. After 20 years the site could become a refuse area for military use.

9. Local communications such as radio, TV, business, and citizen band radios in the immediate area could be unreliable.

John Juelson

P.O. Box 207, Hillsboro, ND 58045

I would hope that land for the OTH-B Radar System could be found and used that is not productive farmland. I favor the installation of the OTH-B Radar System in an area other than the Blanchard or Galesburg study areas.

4-8

Russell Waters G3

RR 1, Box 71, Hillsboro, ND 58045

Why take such good and productive land for this site. It is such a waste, when less valuable land in neighboring areas could serve your purpose just as well.

Tom Reid G1, G3, G5, G6

Rt. 3, Box 16, Hillsboro, ND

I am opposed to the taking of good farmland occupied by family farmers for this purpose. It will disrupt the drainage in this area. The school district, townships, and county will suffer from this land being taken off the tax roles.

The people should have more information on this project. A meeting in Hillsboro, ND, should be a must.

The comment period should be extended from October 6 to December 1, 1986.



Dennis & Geraldine Peterson G1, G3, G5, G8

RR #1 Box 68, Grandin, NK 58038

I live in Bohnsack township 22-144-51 Blanchard Study Area. I am very much opposed to having the radar system in the Blanchard area. Two out of five years we have severe water problems with surface water in the spring. A lot of water comes from the west along Traill County No. 1. Most of the time the north-south roads work as dikes to slow up the water so the water can drain away at a reasonable rate. Our area is so flat that we don't have any place for retention dams without flooding someone's land.

I have land in 19-144-51 and 24-144-52 that I paid $1000 per acre for. I have spent eight years of my life working sometimes 20 hour days to pay for the land. I certainly would not consider selling or renting it for less money.

Your book does not mention that we have had rural water for 9 years. Also, Traill County doesn't have any decent gravel left in it. We have to go 50 miles for gravel. 59 47

If your high wood fence was close to any of our roads, it would block the road permanently with snow in the winter.

If you come into our area, Senator Burdick's office has assured me that I can appear before the Senate Appropriations Committee--not to be against the radar system but to protect an endangered species, THE AMERICAN FAMILY FARMER. We have a lot of marginal land and/or government-owned land in North Dakota or Minnesota that could be used instead of our very productive farmland here.

Our cost each year to work and seed an acre of land is $100 per acre, which is $240,000 a year or $4,800,000 lost in 20 years. All economists tell us that the money the farmers spend magnifies itself by a factor of 7, or a total of $33,600,000 lost to the local area in 20 years. We pay $900 per quarter-section in taxes for a total of $288,000 lost in 20 years.

Since you wouldn't come into our local area for any public informational meetings, my neighbors and I have held several meetings of our own to inform the public of all the negative impacts of this proposed radar system. We couldn't think of any positive impacts. Local ABC, CBS, NBC television stations and all local papers have given us very good coverage.

Brett A. Radebaugh G3, G6, G7

RR 1 Box 57, Grandin, ND 58038

My main concern is the taking of prime farmland. The land is too good to waste and take out of production. I'm just starting farming on my father's farm, and it has been that way for four generations. Most people in our area are in the same situation. We want to keep our farms in the family and that is hard enough to do these days.

Another concern is local revenues and the up-keep of our roads. Our little township roads won't handle heavy machinery, and we won't have the money to keep them up.

Reasons for our opposition to the project (Attachment)

1. Health Issues - No reliable statistics or data concerning health hazards.
2. Tax impact on county, townships, and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
5. Lower value of adjoining land and buildings.
6. Negative impact on county and townships roads during 3-5 yrs. construction period. Maintenance of roads during and after construction.
7. No lasting benefit to the economy (local) after construction.
8. After 20 years the site could become a refuse area for military use.
9. Local communications such as radio, TV, business and citizen band radios in the immediate area could be unreliable.

4-9

Robert M. McSparron G3

Box 643, Hillsboro, ND 58045

My concern with the project proposed is the use of prime farmland. Will the day come when we'll be sorry this land is not used for food production--the world's best wheat is produced here. Please consider this in choosing a site.

John Knudsvig G1, G2, G3

Box 4, Clifford, ND 58016

I feel we need more time to get the details of the site selection. It seems there would be a better place to put the radar equipment, rather than in the agricultural heartland of this state and nation.

I think there are other elements involved such as environmental impact, when put too close to people--try to find someplace far from town and somewhat of a wasteland to put this facility in.

If some study is needed to put it in space, then wait and do it that way.



In closing, please try to extend the deadline to December 1, 1986, so we can have more time for communication between the military and community.

Harry Eisenbeis G3, G6

P.O. Box F, Hillsboro, ND 58045

I'm concerned as a businessman that almost 2,500 acres of some of the most productive land in our Red River Valley may be taken out of production and take more families off of the farm. I'm also concerned with the loss of tax base for our county, townships, and school district.

Gary & Glenda Smith G3, G6

RR 1, Box 9B, Cummings, ND 58223

Why haven't the sites owned by the government, namely Finley Air Force Base radar site--that has been outdated and abandoned--be rebuilt to utilize the land already rendered useless for farming be used. I believe there is also one at Nekoma, both sites being within the guidelines required by location to the base at Grand Forks.

The blatant destruction of the most fertile land in the world is hard to believe. We have been entrusted to care for the land for future generations. I'd hate to think I'll pass on a radar receiving site as my grandchildrens' heritage. Is there no other area that could be used that doesn't destroy homes and livelihoods of so many families?

The Blanchard study site is heavily settled and raises some of the best crops in the state.

The financial impacts could be very harmful to the area. Damage from water changes will harm landowners all the way to the Red River, the final destination of all drainage water in the Blanchard study.

We haven't yet seen "The Blue Book" to study and acquaint ourselves to all the problems. I do believe that there is a need for such a radar system, but need it be located where it will harm so many lives?

Dean Ecker G4, G5, G6, G7, G8, G9

RR 1 Box 76, Grandin, ND 58038

Reasons for opposition to project

1. Health hazards
2. Tax impact on county, township, and school districts
3. Drainage problems
4. Prime family land destroyed
5. Lower value of adjoining land

6. Negative impact on county and township roads during construction
7. No lasting benefit to economy
8. After 20 years site could be a refuse area for military use
9. Local communications such as telephone, radio, TV, business and citizen radio in immediate area could be unreliable

Virginia J. Miller — G2, G8

316 Hamline, Grand Forks, ND 58201

I appreciate the efforts of the U.S.A.F. to minimize the socioeconomic and environmental impact that would result from the implementation of the OTH-B radar system. However, I am concerned and disturbed that almost a billion of our tax dollars will be spent and that the environment and people's social and economic lives will, nonetheless, be disrupted for a radar system that is not needed and is vulnerable. It is my understanding that the number of Soviet bombers is limited, compared with the number of U.S. bombers, since land-based missiles are the primary nuclear defense for the Soviet Union. North is the most likely direction from which the Soviet bombers would come toward the U.S. The ionosphere above the Arctic region is unstable, as manifested in the phenomenon of the aurora borealis due to the electromagnetic anomalies that occur there; thus, the OTH-B radar system, which requires a more stable ionosphere to function well, will only operate facing south. Information regarding the location, movement, and massing of Soviet bombers that the OTH-B system is designed to transmit is already available from the current intelligence of the CIA and the National Security Agency. Also, the OTH-B radar system with its narrow bandwidth can be more easily jammed than systems using a wider bandwidth. And what about sabotage? Despite on-site security, a wide range of sabotage is a likely possibility, and probably without any immediate identification of responsible parties--a highly dangerous, tension-producing situation. The history of the OTH-B radar system has been plagued with problems and questionable value. (Reference: Ford, Daniel, The Button: The Pentagon's Strategic Command and Control System. Simon & Schuster: NY, 1985, pp. 208-213.) I recommend that the Air Force personnel engaged in this project read the book, The Button by Daniel Ford.

In addition, I have a health-related concern that the phrase "no reliable scientific evidence exists" means, as it has at times in the past, that you really don't know what the long-term health effects will be and that the people working and living in and near the transmitting areas of the OTH-B radar system will be the ones to find out as the years go by--with perhaps no connections ever being made.

I ask the U.S.A.F. and the government to re-evaluate and STOP plans for the OTH-B radar system immediately.

4-10



Leonard Thompson — G1, G5, G7

Box 204, Blanchard, ND

We would like to have the Comment Period extended from October 6 to December 1, 1986, and that the Air Force hold a hearing in Hillsboro at the National Guard Armory for more information. We are also concerned with the prime family farmland that will be completely destroyed, the drainage and water problems [and] the tax impact on county, townships, and school districts. With the Summer being so busy when you farm, we have had very little time to read up on this project.

Mr. and Mrs. Bruce Thorsrud — G3, G4

Box 75, RR 1, Grandin, ND 58038

How can you take prime farmland out of production? There must be other areas of the country with poor land and fewer people that could be used.

We are also very worried about what might happen to this area 20 years down the road. We certainly wouldn't want a nuclear waste dump in our backyards!

Otto Bertsch — G1, G3

P.O. Box 15, Hillsboro, ND 58045

I don't think that our community was notified of this issue early enough. Therefore, we don't really know all the facts about this program. I think you should delay the closing date until December 1986 or even January 1987. It seems strange that you would consider taking some of the finest agricultural soil in the world for a project that only has a life of 20 years--to say nothing of taking away a family farm that future generations would seek a livelihood.

I don't think you should place this program in our area.

Mrs. Irene Eblen

704 1st Ave. N.E., R-1 Box C-40, Hillsboro, ND 58045

It would spoil the looks of our wonderful valley.

Joseph J. Milles — G3

R 2 Box 7, Blanchard, ND 58009

Being a landowner in Bohnsack township, I am quite concerned about the OTH-B Radar System being proposed to be built in the Blanchard area. I do feel as though the system is necessary, but is it necessary to take the good farming land of the Red River Valley and disrupt so many young farmers lives. For that reason I am opposed to it being built in the Blanchard area but in some less productive area of N.D.

Francis Kutzberger — G3

RR 2, Box 102, Hillsboro, ND

Why put this structure on some of the best farmland in the country?

Jack Dalrymple — G5

Box 220, Casselton, ND 58012

The proposed area has severe drainage problems. Your facility would suffer from that and cause additional damage to the area's drainage problems. Bohnsack Township is an especially bad area in this regard.

Curtis Satrom — G3, G5, G6, G7, G8, G9

Grandin, ND 58038

1. Prime family farmland will be destroyed.
2. There are more farms in this area, more thickly populated and more cattle in area, than any area around.
3. Drainage and water problems.
4. Lower value of adjoining land and buildings.
5. Local communication such as radio, TV, business and citizen band radios in area could be unreliable.
6. Tax impact on county, townships and school districts.
7. Health hazards.
8. Negative impact on county and township roads.
9. No lasting benefit to the local economy.

Arnold Schornack — G3

Box 252, Hillsboro, ND 58045

I would say we have the best land in the U.S. To take this land out of production would be uncalled for.





Lorine Schornack — G3

Box 252, Hillsboro, ND 58045

This is the richest land in the valley, and I believe it should be kept in grain, etc., not to be used as a dump or otherwise for 20 years. After that, who can do anything with it?

Sky Tractor Company — G2, G3

RR 2, Box 36, Hillsboro, ND 58045

To whom it may concern:
We just have to quit using the best farmland in the United States for purposes such as proposed, when poorer land, less productive land is available such as in the Thief River Falls area for the Backscatter radar facility. I have no doubt that such a facility is needed for National Defense, so I have no problem with the national need of such a facility and need to build it.

Rick Satrom — G5, G6, G7, G8, G9

RR 1 Box 82, Grandin, ND 58038

1. Health hazards.
2. Drainage and water problems.
3. Prime family farmland will be destroyed.
4. More farms in area, more thickly populated and more cattle in area, than any other area.
5. Tax impact on county, township and school districts.
6. Lower value of adjoining land and buildings.
7. Negative impact on county and township roads.
8. Local communications such as radio, TV, business and citizen band radios in area could be unreliable.
9. No lasting benefit to the local economy.

Mr. & Mrs. Roy Satrom — G5, G6, G7, G8, G9

Grandin, ND 58038

1. Health hazards.
2. Tax impact on county, townships and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
5. More farms in area, more thickly populated and more cattle in area, than any area around.
6. Lower value of adjoining land and buildings.

7. Negative impact on county and township roads.
8. No lasting benefit to the local economy.
9. Local communications such as radio, TV, business and citizen band radios in the area could be unreliable.

Richard W. Gehrke — G3, G5, G6, G7, G8, G9

Box 456, Hillsboro, ND 58045

I object to the proposed location of the Central Radar System project in Traill County. I feel that some of my biggest concerns deal with taking prime farmland out of production. There may be health hazards, tax base for the county and school districts may go down, possibly lower the value of adjoining land. The radar system may cause drainage and water problems, as well as road problems during the construction phase. It may also hamper local communications such as phone, TV, radio. Please consider these objections. Thank you!

Donald P. & Barbara Hansen — G1, G5, G6, G8

Box 33, Hunter, ND 58048

We greatly oppose the Central OTH-B Radar System you are wanting to place in the Blanchard, North Dakota area. We were never notified and even though you did announce your plans to some degree, they were very insufficient to be noted very easily. We don't feel this is fair of our government. We have many unanswered questions regarding health hazards, the tax impact on our community, drainage and water problems, the income of families destroyed with no other lasting economy impact on the community. We have many unanswered questions.

Pearl Bertsch — G3

Box 135, Hillsboro, ND 58045

I live on this land--farming is not much--my only means of living. If this project is placed in Blanchard study site, prime farmland will be taken out of production. I do not question the need for this radar system.

But, there must be other nonproductive land some place--where it affects the least number of people.

Buddy & Bev Jacobson

RR 1 Box 40, Hillsboro, ND 58045

How about noise?!? Snow?!? in winter high drifts.
Thanks for the book.







Jerome Nysveen — G3, G4

Rt 2 Box 80, Hillsboro, ND 58045

Why is it necessary to destroy 4 sections of the finest land in the Red River Valley when there are so many areas of low and non-productive land available within a short distance?

What is wrong with using a site such as Nekoma, ND, which I assume is already owned by the Government?

I think the some illogical reasoning applies here as the government's wish to dump nuclear wastes in Minnesota instead of some remote desert wasteland where it can do no harm to the ecology.

Aagot Nysveen — G3, G4

RR 2, Box 80, Hillsboro, ND 58045

I am very concerned that you are asking for prime farm land. Does it or could it become a property of the government and down the road a few years become a waste dump after the current project is over?

I am very much opposed.

Louise Bell — G1, G3

Route 2 Box 72, Gardner, ND 58036

I am opposed to the location in Cass and Traill counties proposed as a receiver site for the Over-the-Horizon Backscatter Radar System. The area I refer to is the Blanchard, N.D. area. Farms throughout this area provide a way of living for many families. Most of these family farms have been in the families for generations and mean more to them than just a way to make a living. The area near the Minot, N.D. Air Base is not so well suited for farming. Please use that as the operations center instead of the Grand Forks Air Force Base.

I do not live directly in the area proposed, but do know many of the families there. In order for these people to become aware of this project and express their views, please extend the comment period to December 1 and hold an additional hearing in Hillsboro or Hunter, as many of these people were not even aware of the hearing in Grand Forks in September. Thank you.

M. Scholin

Box 791, Thief River Falls, MN 56701

There is some opposition in our area, but not as much as some (Mr. Dyrdal) would want you to believe. My farm is for sale, and I would like to negotiate.

Robert Bell

G1, G3, G5, G7

Rt 2 Box 72, Gardner, ND 58036

I am opposed to the Over-the-Horizon Backscatter Radar System in the Grandin-Blanchard-Hunter area as this is prime farmland which is better suited to raising crops than radar antennas and related apparatus. There must be areas of the state which would be as well suited for this project that are not high-priced, non-replacable farm land!!!

The area drainage and road systems will also be harmed by this project. I realize this project may be required in the nation's defense, but please don't put it in the Red River Valley and use up valuable farmland. Please extend complaint period into December.

Randy & Colette Smith

809 N. 7th Street, Wahpeton, ND 58075

My husband and I were married on July 17 of this year. Our future together depends on my husband's farming. The building of the proposed "Over-The-Horizon Backscatter Radar System" would be the end of my husbands and my own future. It would be the end of our horizon! Please reconsider your plans and research the possibilities of ending many young men and women's futures.

Jeffrey Smith

G1, G3, G4, G5, G6, G8, G9

RR 1 Box 9B, Cummings, ND 58223

Sites chosen all consist of prime family farmland. The inhabitants of these areas live on and earn their livings from this valuable farmland. There is less valuable, unoccupied land in the area that could be used instead of the land included in the chosen sites.

Reasons for our opposition to the project (Attachment)

1. Health Issues - No reliable statistics or data concerning health hazards.
2. Tax impact on county, townships, and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
5. Lower value of adjoining land and buildings.
6. Negative impact on county and townships roads during 3 5 yrs. construction period. Maintenance of roads during and after construction.





7. No lasting benefit to the economy (local) after construction.
8. After 20 years the site could become a refuse area for military use.
9. Local communications such as radio, TV, business and citizen band radios in the immediate area could be unreliable.

Kenneth & Marilyn Griesbach

G3

RR 1 Box 49, Hunter, ND 58048

Why can't it be worked out to utilize the Nekoma site that's sitting and going to rack and ruin - (a totally big waste)?

Winnifred Jane Kopanger

Hillsboro, ND 58045-0041

Electronics: If a trial period was on (1979-1982±): the beams could be felt: miserable: megs may have been too high: maybe it was not the USA? Dad passed away: 1979: Mom in 1982.
Chemicals from farming may tie in: 100%.
Biological Impact: A neighbor child was born and died of a genetic interference disease (two years old).
Wrong reactions from prescription drugs was noticed.
Control of animals was noticed. Interference of TV; telephones was noticed.
Animals (pets) at young ages showed cataract signs.
Skin infestations noticed.
Neurological physical anomalies apparent.
Air quality is very bad.
Many more undoings noticed.
More can be said.
Chemical, biological and radiation type terrorism may be in vogue: it is dreaded! from whatever source.

Mrs. Duane Smart

G3, G5, G6, G8, G9

Rt. 1 Box 36, Hillsboro, ND 58045

Comments on Blanchard site for Central Radar System:
Health Issues
Tax impact on county, township and school
Drainage and water problems
Prime framland destroyed
Lower value of adjacent land and building after 20 years - what then? A refuse area for military?
Local communications could be unreliable.

Harold & Lorraine Rogahn G3

7974 142nd Ave. N.W., Anoka, MN 55303

We do not want the Radar System installed in this area. It would ruin many miles of productive agricultural land. Our land has been in our family for over 100 years, and we were planning on retiring on it in a few years. We also feel the radar system would kill the wildlife and pollute the water in rivers, streams, and lakes. I feel there are better areas which would be more suitable and would not ruin good land.

Keith Brown G1, G3, G5, G6, G7

5806 Aspen Lane, Kansas City, MO 64152

I am very opposed to this project (Central OTH-B Radar System) being carried out in Traill County, especially Blanchard Township, North Dakota. As a landowner, I was billed for $2,012.74 in taxes in the year 1985 for the south half of Section 28-145-52. This taxation was for 320 acres of unimproved land. We cannot assume any greater taxes because of land being taken out of the tax status for a project of this sort.

This will also cause a further devaluation of our land, and our land at the present time has devaluated BELOW THE ROCK BOTTOM LEVEL!

The township and county will not need LESS TAXES but MORE TAXES for upkeep and building of more roadways, because as I understand this, it is going to be very sizable and involve approximately 2,400 acres, which is almost 4 square miles, or 4 sections. It will require cutting off some roads and building some new ones which, in turn, will involve the county and township.

Then comes the drainage problem! It seems as though the AIR FORCE cannot be relied on for compensation for any flood damage. There is also a site that seems to have been abandoned at Nekoma, North Dakota. The buildings and all that is necessary are there--why not use that? Because it is on marginal farmland. Don't take rich, productive land and ruin it for all time to come. I am told the site at Nekoma, North Dakota, is used for a dump site--clean it up and use it for the present project.

It is my conviction that the above mentioned project would far surpass the proposed project and also be a tremendous savings to the taxpayers, of which I am counted in.

It is also my suggestion that the meetings be held in Hillsboro, North Dakota, NOT in Grand Forks or Fargo. Although I will be unable to attend, the meetings should be held near the proposed site of the project to allow the most interested and affected parties easier attendance.





Emil & Beva Hansen G3

Box 45, Hunter, ND 58048

There must be land that is not so valuable farmland to be used. This area has homes every few miles. Farming is a way of life. Please relocate the thing!

Jennie Birkes G3, G4

Route 1, Hillsboro, ND

It's going to be hard on the elderly who own land in the way of the radar. There are cities and people who want the radar, and I know it's necessary, but to take the best farmland in the state of North Dakota?

If my livelihood is taken away, who will care for me when the money is gone and I have to live out my life in a nursing home?

My husband and I farmed 39 years together to save for the time when age and health would take money to carry on. With a trust fund income from the farm which I was hoping would be there for my children when I no longer needed it.

Ronald & Gloria Porter

RR 1, Box 63, Grandin, ND 58038

We are opposed to locating a CRS receiver site in the Blanchard Study Area. Not in 144N-51W Bohnsack Township!

Will the 45 mph winter winds cause the receiver to "sing"??

John Tate G1, G3, G8

Hunter, ND

In consideration of the people living in the Blanchard study area, we would like an extension on the time period from October 6, 1986, to December 1, 1986, to give us more time, as the most of us are trying to harvest yet.

The people here can't understand why you are proposing to take this prime land and use it for the signal receiver station. This land is prime family farmland here in the Red River Valley. The government has acres of marginal land that it owns already and has not any families on it.

According to your study book there isn't enough study or evidence proving that this will not affect people here with health problems later on.

G3, G4, G5, G6, G7, G9

The heavy equipment they will bring in and use here will ruin our roads, and we won't get any revenue to keep them repaired.

The township will not get any tax money if the land is sold and it will raise our taxes in the township 18 percent.

In this study area, Bohnsack Township has a lot of land involved.

The pictures I have enclosed will show the flooding problems we have had in the past and, in my opinion, this project will add to our problems with drainage in the area.

In my opinion, the receiving station will devaluate the surrounding area land prices. The fences will create problems with the drifting snow for our roads. If the fences are too close, the roads could become blocked with snow.

After you decommission the site, our biggest concern is that this will be turned into a nuclear waste dump.

Contrary to the study book, this is a flyway for the ducks and geese in the spring and fall. 49

Our local communications could all be interfered with so we could not use any of these close to your site.

We have heard already that in the site you have operating, the reception isn't any good.

In light of all these reasons, as a landowner, I am very opposed to this project in the Blanchard study area!

4-15

Connie Tate

G1, G3, G5, G8

RR 1 Box 51, Hunter, ND 58048

I am very concerned about the fact that you are considering taking this amount of the most productive Family Farm land in the state of North Dakota, not only out of production, but probably out of production forever. This is also a populated area. If there is no reliable evidence that this radar system is hazardous to humans outside of the exclusion fence, then there is also no reliable evidence that it won't be hazardous to humans. Until this is known for certain, I feel this radar system should, in no way, be built in a community such as the Blanchard Study Area.

Are you aware of the severe water drainage problems in the southern sections of this area during spring run-off?

Please conduct another hearing on this within the Blanchard Study Area!

Maurits Scholin

348 No. Crocker Ave., Thief River Falls, MN 56701

We are from the area you have been considering placing a radar system. We have attended the meetings and feel there is a need for this to be built. As a former Air Force man myself, I respect the opinions the Air Force members expressed at these meetings concerning this need. I think the employment opportunity, though small, would be good for our



area because we have the workers and the housing in Thief River Falls. I understand there is one person in the area who is stirring up a lot of controversy. My wife and I own 200 acres and are willing to negotiate this land as is my brother Mel Scholin and others nearby. Thank you.

Donald Uglen

G4, G5, G7, G8, G9

RR 2 Box 96, Northwood, ND 58267

I have my concerns about the possible impact of this project.

Problem - severe tax revenue loss for our township.
Possible problems doing aerial spraying in vicinity of radar.
Possible radio, television, & CB radio interference.
Probable excessive water erosion during construction.
Problem with rerouting natural water flow.
Possible radiation danger.
Possible interference with our water supply (shallow well). 50
Problem with wildlife (large number of ducks and geese) that often feed in area in fall.

I do not feel this is an appropriate area for your proposed project. If possible, I would like to talk to someone about it.

Frank Armstrong

Thief River Falls, MN 56701

Please keep the Over-the-Horizon Backscatter Scanner away. We do not feel we even need it here. Land Owner in Pennington County, Norden Township.

Sherry Page

Rt. 1 Box 211, Thief River Falls, MN 56701

I am opposed to the OTH-B Radar Ssystem proposed for the Thief River Falls, Minnesota site.

Kelly S. Kyllo

1012 1st Street So., Wahpeton, ND 58075

We feel this radar system is needed to protect our country. We feel the Blanchard study area is the best area because of the level land which is needed for this system.

With the farm economy as bad as it is, I am sure there are farmers willing to sell their land. We know there are farmers opposed to it.

We also know there are farmers not opposed to it, also. We believe the economy in the area should benefit because of the labor force that would be needed. We have land located in the study area and would be willing to negotiate on a price. We know the land won't be cheap as it is prime land. Possibly the best in North Dakota. Thank you!

Ron Kyllo

Box 56, Hunter, ND

We feel this radar system is needed to protect our country. We feel the Blanchard study area is the best area because of the level land which is needed for this system.

With the farm economy as bad as it is, I am sure there are farmers willing to sell their land. We know there are farmers opposed to it. We also know there are farmers not opposed to it, also. We believe the economy in the area would benefit because of the labor force that would be needed. We have land located in the study area and would be willing to negotiate on a price. We know the land won't be cheap as it is prime land. Possibly the best in North Dakota. Thank you!

4-16

Frank Dobias

Route 5 Box 66, Thief River Falls, MN 56701

We are opposed to the Over-the-Horizon Backscatter Radar System that's being proposed for our area.

Mr. & Mrs. Walter Schlichtmann G3, G4, G6, G8

Box 165, Hillsboro, ND 58045

Why take valuable farmland for a radar site when so much waste land available for federal use. Townships will lose valuation and tax base for school purposes. Retired people's land will be taken from them for a small figure, and they will lose the basis of their retirement plan. The effect on environment and people, also animals, is not known. We know radar is important, but is it this important? We wonder??

Shelia R. Anderson G2, G3, G5, G6, G7

RR 1 Box 30, Clifford, ND 58016

I am opposed to the project. I feel it is unnecessary and a waste of taxpayer money. We can get better dollar value from other mean of surveillance--put the money toward research to develop more sophisticated and advanced technological equipment. This area of rich farmland was, is, and should be used for growing food- It will produce



an excellent crop of food for people's bodies and minds. The people in this valley area are deeply concerned about their neighbor, whether 2 miles or 2,000 miles or 200,000 miles away. A project such as the proposed OTH-B radar system will plant suspicion and mistrust in the minds and hearts of the people of the area. This mistrust will be of neighbors, and government officials who are so thoughtless of the land and people as to suggest this radar system be installed.

Big government has never treated the common person fairly, and it will not in this matter either. This is another case of taking, destroying, and then perhaps handing back the pieces, or else leaving the area as waste land. No one benefits from this. What few jobs may incurr will be given to a few out-of-area contractors and employees, and there will be no financial benefit to this area to help in any way. Trading invaluable prime farmland for a few jobs and a few pieces of silver is a poor exchange.

The project will be expensive in terms of rerouting drainage, building and maintaining roads, loss of tax dollars to schools, and local government. Already we are taxed too highly for the amount returned to us for our use.

I am opposed to the placement of the installations and to the project as a whole. My farm is approximately 2 miles from one of the proposed designated sites. My farmland would be greatly affected by the change in drainage and the decrease in value because of its proximity to the site. My school and township would lose revenue, and to make up for lost dollars, the remaining land would be taxed higher than before. I am opposed!

Korey V. Kyllo

Arthur, ND 58045

We feel that this radar system is needed to protect our country. We feel the Blanchard study area is the best area because of the level land which is need for this system.

With the farm economy as bad as it is, I am sure there are farmers willing to sell their land. We know there are farmers opposed to it. We also know there are farmers not opposed to it. We believe the economy in the area would benefit because of the labor force that would be needed. We have land located in the study area. We would be willing to negotiate on a price. We know the land won't be cheap--as it is prime land. Possibly the best in North Dakota. Thank you.

David Eblen G3

Traill Co. Farmers Union, RR 1 Box 84, Hillsboro, ND

The Traill Co. Farmers Union is a farm organization in Traill Co. of 635 members. The board of directors of that organization unanimously went on record as opposing the backscatter installation in Traill Co. We took the position that this needs to be put in areas where there is non-productive land and very few people. Good farmland is very precious to the people of the area. You need to find another location that is acceptable. Thank you.

Ole Olson

Dahlen, ND

The people in the Dahlen, Fordville area would have to have the Backscatter in our area. Wheat is below $2 a bushel and sunfloweres are 6¢ a pound. The land is a little sandy, which is good for drainage. Please consider us.

4.1.2 Wheaton, Minnesota

Walter Schmidtke — G2, G6

R 2, Box 55, Wheaton, MN 56296

1. Will any preference be given to hiring the veteran in the operation or maintainence of the system?
2. Can the OTH system detect aircraft which are not visible to our present radar system, such as our Stealth Bomber?

Alice M. Fridgen — G8

Box 146, Dumont, MN 56236

How can you be sure there are no health hazards from radiation? Health problems in one area of Russia were traced directly to an OTH Radar site (pg. 83, Zapping America).

Their standards in Russia are 1,000 times higher than in U.S.!! I am not convinced this is safe!!

Marjorie Frisch — G8

No address.

How can you compare the dangers of the Central radar with the coast radars? Their beams go out over the ocean--the Central will go over the land into the areas where people reside.

Mildred L. Meyers

205 1st Ave. So., Wheaton, MN 56296

I believe the Wheaton North area will have the most adverse impact on the flyway of our ducks and geese. I live along the lake and those birds fly in and out for feeding in that area.

I am absolutely in favor of it being located in our county for the impact it could have on our economy for the next years.

Sandra Groneberg — G3, G8

RR 2 Box 116, Wheaton, MN 56296

With a lot of mixed feelings I am not in favor of having the Over-The-Horizon radar located in Traverse County. I am concerned about



the long term radiation. It has not been experimented enough healthwise, the curiosity of why the concern for wildlife and birds and not about people. As a grandparent, we are concerned for our grandchildren over the years. Also a concern about the radar waves and how it will affect the growing process of our crops, etc. No data about the present situation has been researched enough on the effect of vegetation. Too many unanswered questions. Why here in a populated area when the other areas specified it had to be located in a desolate area?

Dale H. Marihart — G3, G8

Box 23, Dumont, MN 56236

In response to the Central OTH-B radar system, I'm opposed to the placement of the system by any rural community or population due to unknown health hazards. I also believe the placement of this system in the southern Red River Valley is unnecessary destruction of prime farmland which is unreplacable.

Ervin Simpson — G6

Box 131, Route 2, Herman, MN 56248

I believe there are at least 13 airports in this small county of Traverse. And I suppose this proposed Radar System will cause severe restrictions on many of these private airports.

Joseph Findlay, Jr. — G3

RR 2 Box 126, Herman, MN 56246

There are 18 or 20 farm sites with families living on them that would have to be relocated. The land sold for 12 to 16 hundred dollars per acre several years ago. There are sites within 30 miles of Wheaton with only 1 or 2 farm sites.

There is a heavy concentration of farms south of the Dollymount and Leonardsville site, with 3 farm families per square mile. If there is no radiation danger, why don't your other sites beam over populated areas.

Elwina Fischer

Box 101, Dumont, MN 56236

My husband and myself live in the city of Dumont, and we both have businesses there. He is in the welding and repair (mostly farm machinery), and I have a hair shop in my home.

It is our feeling that if the OTH-B System were to come into the Dumont area, it would be bad for the businesses of Dumont and a potential health hazard as well.

We need the family farm to survive.

The people of Dumont have always been proud of their town, and we hope that we can be just as proud of it in the future.

Janet Jean Hasbargen

G2, G8

RR 2 Box 97, Wheaton, MN 56296

I do not wish to give up, sell or lease my farmland for the purpose of any federal use. I do not want to live near the proposed site or have my farmland used for the erection of any part of the proposed radar system. I feel this facility would endanger my health and that of my family. I also feel it is a waste of federal tax monies when our present defense systems are adequate against foreign attack.

Marcus H. and Hope L. Rogahn

Box 93, Wendell, MN 56590

I bought this land 44 years ago. Only 60 acres of 160 were farmed on account of the depression and poor condition of the land, rock quack grass, and no drainage. We got it in good condition now. I never had it for sale, and we don't intend to sell it. We have it leased to Duane our son and his family for 8 more years. It was a ten-year lease.

Fae Aukes

G4, G9

Rt. 1 Box 57, Norcross, MN 56274

I am Fae Aukes; my husband is Leslie. Our property is located in Redpath Township. E 1/2 of Sec. 8 and NE 1/4 of Sec. 17.

For 40 years my husband and I have worked side by side to make our home and our land a good retirement income from the land. And we were successful. I milked cows, raised chickens, drove tractor (with no cab or air conditioning), lifted hay bales, kept the yard, raised a garden, and kept my house in order, hauled grain--and raised our one God-given beautiful daughter, and was active in church. We worked side by side with carpenters to build our home--to live in it--until who knows when. I could go on and on to tell you what those early years were like.

Now our farm has been placed in the area which the Environmental Impact System calls it a suitable place for a radar base. If we are to give up our property, it throws out our retirement plan and a large part of our retirement income.

It seems to me that birds and fish are more important to you than people (incidently I like to fish) but!! God said- man should have dominion over the birds and animals.





What effect will this have on my husband's hobby as an Amateur Radio Operator??

So please be considerate of us and our neighbors in your selection of land.

George and Kay Ahlsten

RR 2 Box 99, Wheaton, MN 56296

We attended your hearing tonight. I was very disappointed and ashamed of some of the Traverse Co. residents.

You haven't heard from the silent majority--you will find us courteous, willing to listen to your proposal, and if we can't agree, we will be respectful.

Jo Van Houel

Rt. 1 Box 113, Campbell, MN 56522

I am aware of your reputation of study for keeping the people safe in our environment. Consequently I do not hesitate to write to you.

For many generations we have had families growing and working together in Traverse County, Minnesota. We have supported the government nationally and locally.

The purpose of this letter is to ask your permission to allow this to continue. Let the Red River Valley continue to grow food, and not taken for a radar system and program. I trust I shall hear soon of plans anew.

James Krenz

RR 2 Box 105, Wheaton, MN 56296

I wish to have my name taken off the Monson Township petition. I was pressured into signing it, so please remove it.

I am a landowner in the Wheaton North site. I am not opposed to the Radar Facility in this area. I own about 320 acres in this site, and I invite you to come out and talk to the people in the area.

David Marihart

G2, G8

Route 1 Box 20A, Dumont, MN 56236

I, David Marihart, strongly object to the Over-the-Horizon Backscatter Radar transmitter site being located in Traverse County. I object for 3 main reasons:

First, taking 4,000 acres of land away from the farmers who depend upon it for their livelihood would be a terrible injustice. Our farms are more than just a place to work--it is where we live. It is where our fathers lived, and probably our grandfathers. It is where we call home. As we grow older, different jobs may take some of us hundreds or thousands of miles from here. But there is one place we can always come back to because it is always our home. You do not have the right to take that from us.

Second, I can see nothing good coming from subjecting the people of this area to microwave radiation. The Air Force says it is safe. Why then does the transmitter site have to be such a great distance from any town?

Third, from the information given to the public, it appears that this whole radar system is a very poor defensive weapon. It is affected by the weather and atmospheric conditions. It is ineffective against the latest military technology- stealth aircraft which are invisible to radar. For these reasons, this radar system is a very poor investment of tax money.

Betty L. Frisch — G3, G5, G8

Box 85, Dumont, MN

I'm opposed because: loss of agriculture land, radiation health hazards, prime target, rerouting water ways, waste of tax money, destruction of wildlife.

Reynold A. Griess

Rte 1 Box 99A, Park Rapids, MN 56470

I do not live in the Wheaton area, so I will not take a stand for or against the radar system. We do own 350 acres in the Wheaton Southwest study area. This is the Kottke estate owning the west 1/2 of section six in Parnell Township. We would be willing to sell this 350 acres if the price is fair.

Arnold Vold — G2, G6

Rt. 1 Box 17, Johnson, MN 56250

I feel it is an unsafe and unnecessary project, which will be obsolete before it is built. I also feel it's a terrible burden on our community. I have attended all the meetings, and none of the reasons for it are reasonable. With planes that radar can't detect, and it doesn't detect missiles, what good is it? I can't see that it will help the community for any of the unemployed either.

I'm opposed to it in every way!





Mr. and Mrs. Paul Kruger — G3, G8

RR 1 Box 72, Beardsley, MN

We have attended the radar meetings and we have read much pertaining to the site. We strongly oppose the radar site being placed in Traverse County. Our family would lose good productive land which has been in our family for nearly 100 years and our sons want to farm. Even more important than the above is the health hazard that will affect our neighbors who would have to live next to it. We feel there surely must be land that could be used that would be pasture land or wasteland.

Mrs. Jim Ludowese

Rt. 1 Box 60, Dumont, MN 56236

I'm very much against this radar site. I do hope it will not be built here. My husband works for a farmer, and if this is built in the Dollymount site, it will affect our lives very much. My husband will lose his job because of the land lost to the farmowner, plus he will lose the place where we live. This also is in the site if chosen. Our children will have to leave Wheaton School District, which they are not happy about because they will not be able to finish school in Wheaton. We have no jobs available for us here, so we would have to leave this area. It will be hard to find work. My husband has done this for 19 years. No other training for us. Please do not put it here in our area.

Mildred Meyers

208 1st Ave. So., Wheaton, MN 56296

The farmers have been snuffing each other out by buying up huge tracts of land and burning the trees around the homesteads. Those same farmers have under the same flag that flies over me then expect protection yet don't want to sacrifice anything for their own protection.

I strongly believe that the location of our country must be in the best judgement of the scientists, and even though it will not make us rich, it may make us safe.

Mrs. Lois Hasbargen — G3

Rte. 2 Box 98, Wheaton, MN 56296

I am very much opposed to a radar site to be in Traverse County. I don't see why the radar site needs to be stationed in a farming area, when there is so many wasted areas that can't be used for anything worthwhile, like the bad lands and Black Hills of S. Dak. Why waste our tax money on a system such as this, to upset our way of life. This

country is to be the Land of Freedom, isn't it? Let's keep our land Beautiful. We own our farm, and we certainly do not want to give it up to this radar site. This is our security, our love, and homestead rights we have worked so hard to achieve. I certainly question the necessity of such a site in Traverse County. Just think of the loss of agriculture land, radiation health hazard, family farms and most of all the waste of our tax money!

Lawrence V. Anderson — G3, G6, G8

Beardsley, MN 56211

We have land in the proposed Wheaton SW site and live only one mile and 1/2 away from the site. We are against building the station in this area. There are many reasons for not wanting site as health, loss of homes, loss of farmland, loss of taxes.

Rodney Thiel — G8

RR 1 Box 10A, Dumont, MN 56236

My family is absolutely against the Central OTH-B radar system. The system would take up most of our farmland in the SW section. Three families live off this land. My family has recently moved to the farm from Wheaton. We have a son, 7, a daughter, 4, and one on the way. How can I tell my son or daughter the farm will one day be theirs if they want with all the unanswered questions about the health hazards. I don't know if I would want them to live here. It really scares me. It really makes me wonder what kind of government we have if you just come in here and take over the land.

Everyone is against it. I don't see how you can even think of putting that radar system here in Traverse County.

Lynne K. Berger — G2, G4, G8

Rte. 1 Box 35, Norcross, MN 56274

I am very much opposed to the OTH-B radar site which is possibly being considered for the Traverse County area in Minnesota. My biggest concern is the health hazard it could pose. I am not convinced by the information the U.S. Air Force has released, that this project is "safe." The studies that have been conducted were not done on a long-term basis. As the proposed radar site could be in operation for 20 years, I don't feel the information obtained is satisfactory to make the decision that it is not going to affect the health of those living near it. Since the radar equipment could very possibly be obsolete in a few years, and any land obtained by the government may be used by the same for whatever purpose deemed "necessary," I wonder what will be





slipped in in place of the OTH-B equipment. The thought of maybe a nuclear waste dump site has been brought to mind. I do not want this in my backyard either!

For the health and safety of my family, myself, neighbors, and any who may be affected, and for the continuation of our livelihood and quality of life, the proposed OTH-B site should no longer be considered for our area!

Kathleen Burgess — G2, G3, G4, G6, G8

RR 1 Box 97, Roshort, SD 57260

I am concerned about your radar base affecting TV and CBs that I own, about possible radiation effects, the possibility of wasted tax dollars, when this becomes obsolete, the possible use of the land for a toxic waste dump at a later date, the families you are affecting by kicking them off their land which you call "your" land under emminent domain, the unsightliness of it all, and the possibility of if being a target in a nuclear attack. Also, I'm concerned with the fact it can't be by powerlines, and it is. I am against this installation near my home or anywhere else. It will have an extremely harmful effect on birds, wildlife, and the people and prime Red River Valley land. It's possible you think that the good outweighs the bad, and I suppose regardless of how we feel, in the end someone somewhere will get stuck with your mess. I'm sure that although you chose to ignore those of us in this community, you will in the end come to regret putting it anywhere near us.

God takes care of his own, and should your base become a reality, I hope you have made plans for what to do in case of a tornado, because although we all are real neighborly, we won't help you clean up your mess!

Money can buy some people, some of the time, but not all of the people all of the time. Someone will get hurt, and it's likely to once again be the farmers. Do you believe in kicking a dog when it's down? Or do you believe in doing unto others as you would have them do unto you?

I'm sure if you use basic intelligence and a few morals you will come to the right conclusion. No radar base!!!

Randall L. Behrens — G3, G8

RR 1 Box 49, Dumont, MN 56236

I live on the NE 1/4 Sec. 4 Leonardsdville Township, which is within the Wheaton SE site. I grew up on this farm. My Dad worked all his life to build this farm, and I hope to pass it on to my son someday. We don't want to give up our farm. We want to stay right here!! We are located on the southern end of the Red River Valley, some of the best farmland in the country. How can the Air Force even think of taking this kind of land out of production.

I am also concerned about the possible health effects caused by radiofrequency radiation. There would be a lot of people, livestock, and wildlife affected in this area--or any place else in Traverse County.

Mrs. Roy M. Hasbargen

G4

Box 125, Dumont, MN 56236

Dear Sirs:

In my opinion, there is absolutely no reason not to put the OTH-B in Traverse Co., MN, except greed on the part of a few very vocal, greedy landowners. Who, by the way, want everything their government will give them but expect that they will never have to do anything for that government!

We need a good defense and we in MN with our missile-loaded neighbor N.D. had better realize this soon!

Do what you see is best for America!

Also, please ensure that the land will be returned to agricultural land upon discontinuance of this system!

4-22

4.1.3 Langford, South Dakota

Mrs. Sherman Cavanaugh

Countryside C 24-W, Benson, MN 56215

Most importantly--where is the route? Wondering if it goes across my land in Farmington Township--Day Co., S.D.

Connie Williams

G6

Box 898, Britton, SD 57430

Is there some assurance that should the project be implemented in Marshall County, the employees will reside in Marshall County?

Gene Cassels

RR 2, Box 210A, Groton, SD 57443

Strongly opposed and question.

Gordon L. Amundson

G9

Box 105, Langford, SD 57454

Concern is expressed as to electromagnetic interference and/or saturation of atmosphere radiomagnetics to the extent that extremely minute signal levels received by TVRO Satellite Systems may be affected. Also, will there be a band of "blackout" of certain signals used in public communications and if so, how much?

R.G. and Arlene Anderson

Box 63, Andover, SD 57422

We have a half-section in the proposed site. We would not be interested in selling at the land value quoted in the impact study. We may be interested in negotiating a lease.



Scott Parsley

East River Electric Power Cooperative, Drawer E, Madison, SD 57042

Directly adjacent to the east of the Wheaton North site there are 15 sections of land that have no one living on them so would therefore require no relocation. My information indicates that one party owns four of these sections.

Should the proposed site not for one reason or another be used for the OTH-B transmit site, there is land in Roberts County adjacent to Marshall County that could be made available for the project.

Wayne J. Nelson

RR 1 Box 17A, Langford, SD 57454

I would be interested in talking to you about selling or leasing my land in Hickman Township, Sect. 9. There is also a lot of land to the north of me that no one lives on and is wide open and flat with no obstruction. I think it would be a very good location for you to look at, and I would be happy to visit with you about it.

Ed Mallett

Box 587, Britton, SD 57421

What effect will this system have on a [grain elevator?] 51

Robert James Erdmann

Rt 1 Box 28, Andover, SD 57422

I was at the meeting last night at Langford, So. Dak. It seems most people do not want anything to do with your program and location. I live 7 west of Pierpont and 1 1/4 north. In my area for a few miles, it is wide open space--only about 3 farms in the area. Also, the land is in 4 townships, all combined in one group and 2 counties, which might be good for not pulling all land out of one group. This land is a few miles further west than your map has planned. But I am sure it would be a lot easier to deal with. I will give the land description on back of this sheet.

North Andover Township, Day County

Township 123N Range 59W
Section 6 and 7

Farmington Township
Township 124N Range 59W
Sections 4-5-6-7--8-9-17-18-19-20-30-31

Brown County

Groton Township
Township 123N Range 60W
Section 1 and 12

Riverside Township
Township 124N Range 60W
Sections 13-24-25-36

I hope you will consider this land in your planning. It would be cheaper land and only 3 farm sites to deal with and they are older and smaller buildings to deal with. I have land in this group in both Day and Brown County.

George Hanson

RR 1, Box 38, Claremont, SD

I live close to the proposed site, and would be interested in selling or leasing my land.
I live in Sec. 8-125-59 in Marshall County.

4-24

Rich and S. Waldner

G3, G4, G8

RR 1 Box 41, Claremont, SD 57432

I am writing because I strongly oppose the OTH-B Radar System. It has a bigger effect on the Amherst area than written in the environmental impact analysis book. First of all, the study on the migrant route between Sand Lake Refuge to the Sissenton hill. We have the most geese--Blue geese, snow-geese, Canadian that migrate to the north in spring and south in fall. The geese flying north feed a lot in the area. The geese flying south feed 2 to 3 weeks before flying on. During the feed period the geese fly a lot of times no high than 100 feet. In your environmental impact analysis talking about a study flying 1,000 feet high. We have a lot of fog and drizzly rains in our area, which would cause the birds to collide with the antenna. I feel they would definitely collide with the antenna at that height.

I feel the HF radar waves are a bigger health hazard than stressed. I feel those waves cause a long-term effect on the nervous system on wildlife and humans. Because radio waves interfere with wildlife's nerve system. Because the high pitch wave makes them move out for good, which ruins their habitat. Talking about using 2,400



acres in an area which has the best land and pretty well the highest price--the prices are higher than $245 or $383 an acre mentioned in the EIAP Book. We have bought land closer to $1,000 than $383. What I would suggest is you purchase land out in the Bad lands where there is no living soul around for miles.

52

Thank you. I hope you reconsider the Amherst area.

Mr. & Mrs. Norman Townsend

G2, G3, G4, G6, G8

Box 24 RR 1, Andover, SD 57422

Why in the world are you going to do this stupid thing if it is going to last only 20 years? The government is good at these things--build and spend money and then there it sits to rot to the ground. Who do you think is going to pay taxes, keep our schools going, health hazards? What are all these farmers going to do when we're kicked off our farms? Don't even think of relocating everybody, because that is impossible and very stupid. It took us years to build up what we have, and you're not taking it away. How do you think you're going to eat when the source of growing food is destroyed? You'll starve to death. Think about it. Our poor children who are trying to farm, and you'll just pull it out from under them. There aren't enough jobs in the cities to support everyone. Please put yourself in our place. How would you like to have someone just come, take what you've worked all your life for. It doesn't make any sense.

You're probably telling everyone how much you'll pay so you can get hold of the land, and of course it'll sound good to any farmer that's gullible enough to believe it. The economy is ridiculously awful--thanks to some more people in Washington who seem to know very little as to what's going on. If they think someone can farm with $1.40 lot, I'd like to see how.

The tension on farms is great enough without having you step in and take what's ours.

God gave us this land to maintain during the time he gives us and that's what we're going to do.

We are very opposed to this project, so please don't consider to build it.

Thank you for your consideration in this manner.

Ricky Cole

RR 1 Box 43, Langford, SD 57454

It is my understanding it could be harmful to people, and I am a young farmer and have two small children, which leaves me to be very much against it.

Leane Bistadeau G3

Route 1 Box 35, Claremont, SD 57432

My husband and I attended the Langford, SD, meeting September 11. We do not favor this as we feel we will be a target if the radar system is placed here. This farm has been the home of my great grandparents' grandparents. My parents and I have lived here 67 years, and 50 years of married life. Our hopes are that our son will someday own this land. He now farms it and adjoining land that he is now buying. He has a family to provide for. We have the best farmland around.

Ruth Olson G3, G4

Box 22, Langford, SD 57454

I am a 61 year old widow, and I don't want to see my farm levied off and destroyed, all my life I've worked for. I hope you'll choose sections of land with no farms to destroy. If my farm is chosen to go, I'm ready to sell not lease. It would be of no further use to me or my son, who would never build back up. My land is all paid for, and I see no reason why they need land with homes established on. My farm's in Newport Township on edge of Weston Township.

I don't suppose this will do any good, but I feel better about expressing my feelings about it.

Susan Volk G1, G4

Rt. 2 Box 78, Britton, SD 57430

I believe the Air Force should have made people aware of more details regarding the OTH-B system, and that a "scoping" meeting or preliminary hearing held. As it was, residents were so vague on the facts that it was hard to ask any pertinent and discerning questions. I am not opposed to the site itself--but you are dealing with issues that deeply affect the lives of individuals--this constitutes some more substantial information. The EIS was extremely ambiguous in terms of environment and economy. You also need more guarantees on the negotiations with individual farmers. Some bought land at inflated prices, and if forced to sell will take quite a loss.

Richard Juelfs G7

Chr., Stena Township-Marshall, RR 2 Box 160, Britton, SD 57430

We of Stena Township feel that you have not addressed the problem of traffic on our roads. We operate on a limited budget. The increase of traffic on our township roads and the extra maintenance required





would add an unfair burden on our taxpayers. We know that you will build the necessary roads for access to the site. But it is the problem of the maintenance we are concerned with. The possibility of an annual fee on a per mile basis would seem in order.

Arthur C. Birkeland G4

Box 475, Bristol, SD 57219

How would the value of land involved in this be determined? Does a farmer (owner) have to sell? Will he be forced to?

Montfred M. Liknes G4

112 Elm Street, Langford, SD 57454

Why does the antenna field require so much clear land around it? 53
Would and could this system be used to help detect and stop the drug traffic coming into the U.S. from the low flying aircraft. 54
When the land is leased or purchased by the government, would the price include the house or other buildings?

Robert C. Erickson, Clarence Erickson, Margaret Erickson G8

RR 1 Box 7, Langford, SD 57454

We are not interested in selling or leasing any of our land for the OTH-B Radar System. Most of this land has been in the family for a long time and has sentimental value. Farming is also more than a job, it is a way of life, and taking any part of the farm would hurt the whole operation. For these reasons as well as the questions about health hazards, we do not wish to sell or lease the following land:

SW 1/4 31 125N 58W
N 1/2 1 124N 59W
SW 1/4 29 125N 59W
NW 1/4 5 124N 59W
NW 1/4 29 125N 59W
NE 1/4 29 125N 59W
SW 1/4 20 125N 59W
NE 1/4 32 125N 59W
SE 1/4 30 124N 58W
N 1/2 of SW 1/4 30 124N 58W

Raymond Anderson

G3, G7, G8

RR 1 Box 37, Langford, SD 57454

We object to the building of this project. We have no intention of selling or leasing our land. The radiation as explained in your rough draft doesn't really make much sense. If you can receive burns in an airplane within 3 miles, why don't you receive burns in the same area on the ground. We feel the ground would be useless after you leave because of this. Also, the water we use. 55

Also, this area is a major flyway for wild ducks and geese in both spring and fall. Many years there are geese covering sections of land. They are bound to become entangled in your screens by the thousands.

Also, this is prime farmland. Surely it is not necessary to take good flat land with no rocks. This is good producing land.

During the winter, our township has to wait for snow removal equipment from another area. We have no way to keep roads open to your radar. If a severe storm should come, your people would be kept at the station.

Dale A. Johnson

Box 175, Pierpont, SD 57468

I am the Branch Manager of The Day County Bank in Pierpont, S.D. I have lived here for three years. I am very interested in the radar site; I want to know the pros and cons. I probably do not know enough information to know whether it will be good or bad.

I was at the meeting and have read a lot about it. Yes, I am still for it. I am excited, and I am pushing for it. Remember that you will not hear much from the people who are for it. This is the case with anything new, etc. You will only hear from the people who are against it. Yes, I feel that we have a lot of people that want to know more about it; these people are for it.

The Press (example: paper, radio, etc.) have only talked to people who are against it. Some times these people (radical people as I call them)...

I was talking about certain people who are against something. They call the paper for an interview. They express only their opinion. Many other people read the article thinking the people know a lot about the subject and believe them. I have corrected many people on the stories I hear from the Langford and Amherst people.

Again, I feel the people who want to know more about it or favor it will not speak up like the people against it.

I ran copies of the maps and general information about the meeting and what I thought was important for the people to know. I feel we have a lot of people in the Pierpont area for this project.

I am Mayor of the Town of Pierpont and Branch Manager for the Bank. Again, I am for this all the way.



4-26

When we first heard about this radar system, the paper said that it would be south of Andover and north maybe as far as Langford; nothing was said about Pierpont. Later, we found out it would be from Amherst south to Langford. But on the map it shows that it will run down to Pierpont. Much of the area will be in Farmington Township, Day County, S.D. This is the Pierpont area. I have many farm customers in this area. They farm and have this land in their operation. I have visited with many in this area. I can honestly say that not one person has been against it. They want to know more about it. But are for it yet at this time.

I would appreciate it if you could please include PIERPONT, SOUTH DAKOTA, IN YOUR SURVEY AREA AND THE DISCUSSION. I feel our community will benefit 100%. We have some nice homes for sale and or rent. Also, we have some nice lots to build on. We are only 31 miles from a major city with all to offer, Aberdeen.

If I can be of any help, I would sure help you out.

P.S. I would appreciate any information you will have ready as far as the survey or any decision good or bad, any time between now and the time you make a final decision.

Your people who put on the information meeting in Langford did a superb job and should be commended on the fine job.

Kenneth Frey

G7

South Detroit Township Supervisor, RR 1 Box 67, Claremont, SD 57432

I am sure the upkeep of the roads and extra traffic will cause a financial burden on our township.

James Wigdahl

G2, G4, G8

RR 1 Box 26, Langford, SD 57454

I want the health aspects of this system explained in layman's terms by an independent expert.

I want to know what specific parcels of land the Air Force wants in the Amherst area, exactly what four sections do you want? What recourse does the landowner have if his land is condemned and he feels your bid is too low? When will this system be obsolete?

If you can't get all the land you need from willing sellers, please take your project elsewhere.

David Vietor

G4, G6

Treasurer, Lowell Township, RR 2 Box 138, Britton, SD 57430

Will you be paying a "fair" price for the land required?
Too much tax money will be lost at township level.

David Olson

RR Box 24k, Langford, SD 57454

We do not want this Radar System in our area!

Our land has been in this family for three (3) generations. It is excellent farmland. Under NO circumstances would we consider selling or leasing our land for this purpose.

Another thing we don't think you have realized is our sandy ground. It is very prone to wind erosion, and all the watering would not stop it from blowing when you start moving and leveling out soil.

We feel you should consider moving your site to an area where you could acquire land in an area not so populated and from willing sellers.

Ruth Hartberg

Rt 1 Box 28, Langford, SD 57454

I am of great concern for the safety and welfare of my family. We are a third generation on this farm. My sons and I have carried on since the death of my husband. It seems rather unfair to live in the fear of having the Radar System come along and tell us we have X amount of days to relocate. Put yourself in our place for a few moments. Maybe you can realize what pressure we are under--many sleepless nights and restless days wondering what is going to happen. Our farm is in the center of the proposed location in the Amherst area. I just want you to know I greatly oppose the entire Radar System in this area.

Harlan Bistodeau G2, G3, G6, G8

Route 1 Box 5, Claremont, SD 57432

We have serious concerns about the radar sites being investigated for our area. Our concerns center on the radiation levels emitted from these. How thoroughly are they tested? Agent Orange was "supposed" to be safe, too. We are a young couple just buying our land at an inflated price. What will happen to the value of the surrounding land? This is a fairly populated agricultural area. Why is this planned here, instead of sparsely populated area? Why is this being planned in prime agricultural land? Agriculture is already being beaten to the ground. Is this program necessary when we already have all of these space satellites monitoring the earth? Do our tax dollars have to be wasted on unnecessary duplication?

South Dakota has given and given to the federal government. We have missile sites all over western S.D. The Oahe dam took thousands of acres of land. Now with a possible radar site, we are supposed to give more and become even more of a target!



How much thought goes into the disruption of families, livelihood, and health risks? Is this one of those government programs where if the funds aren't spent, there will be none allocated another year? I am sure that there are thousands of other uses and other ways to shore-up our national defense without these implications.

I am writing my governor, senators, and representatives to protest this site. From what I can see from the material, we are at the limit edge of the range for the transmitter. Surely this needs more study.

Mrs. Richard Gullickson G1, G3

Route 1 Box 36, Claremont, SD 57432

Why didn't we have a meeting in June like Wheaton, MN? Why did Gov. Perpick not want a transmitter located in MN? Why has only Andover been mentioned until Sept. 1986? Why Amherst, Langford, Claremont?

Do you know there is no railroad going through Langford (from Andover to Britton) any more?

I look to the east (1 mile) and see thousands of geese going south. Last year, my son and neighbors shot 8 deer less than 2 miles from our residence.

Our land (160 acres) is the best land in Marshall County. Our land has been in the family 104 years and is the only place my husband has lived.

If you must have 2,400 acres of land in Marshall County, why couldn't it be north of Highway 10 (instead of south)? The cost of this project boggles my mind.

56

Vernon Swanson G8

c/o Kevin Swanson, RR 1 Box 19, Langford, SD 57454

Some of the land you are considering for your S.D. site has been in our family for 100 years, and we want our children and grandchildren to continue farming it for many more years.

We are concerned about health hazards: radiation.

We have a lot of waterfowl and wildlife in our area and don't want them disturbed.

4.1.4 Hillsboro, North Dakota

Fred Olson — G3, G4

Box 119, Max, ND 58759

I oppose the sale of land for the radar base in Rugh and Ora Townships because it is (1) very good land and I paid a good price for it; (2) wildlife is sighted [?] up on it; (3) put it up in McVille, they want it.

It would split up my land south of here. For some farmers you take only to the land. I was going to buy more but you will increase the value of the land.

There would be no neighbors in Rugh Township, and they would be against it. You only care more about the ducks and the prehistoric mounds than the people who built this country. It will cut our operation in 1/2, some of the farms in Ora and the other in Rugh.

Wes Ecker — G3, G5, G6

RR 1 Box 77, Grandin, ND 58038

I am opposed to using our high quality soils for military reasons. These should be some less productive areas that could be used.

Also am worried about weed control--water problems in spring and tax base loss.

Merle Stokke — G3, G8

Grandin, ND

Please do not consider using our good rich black loam soil when there are hundreds of acres of alkali, sandy, no good land lying unused which could serve the purposes you are suggesting. Our land is needed for growing food for the hungry here as well as abroad.

We do not want an "Agent Orange" situation in this area.

Traill Co. Weed Control Board — G3, G5

Hillsboro, ND 58038

The Traill Co. Weed Board is opposed to using prime cultivated farmland for anything but growing food. Uncultivated land soon grows up to weeds, and noxious weeds are a great expense to all taxpayers. By State law, noxious weeds inside a fenced area must be controlled.





Glenda Smith — G2, G3

RR 1 Box 98, Cummings, ND 58223

My family home is located in the Blanchard study area. My husband and sons now farm that land, and my parents maintain their home there. We are definitely against locating the receiver site on land in this area.

This is prime farm land. It is some of the most productive in the midwest. Its black loam soil, rainfall, and growing season make it adaptable for a wide variety of crops. There is so much marginal farmland that could be used for this purpose.

A radar receiver site located in this area will destroy a way of life for so many farm families. For neighbors left in the vicinity, it may cause health hazards, unknown as yet, as there hasn't been enough study done on it.

There must be an alternative method for carrying out the proposed radar need. Can we as a strong nation continue to destroy the fertile land God left in our care.

Gary Smith — G5

Traill County Weed Control Officer, Box 526, Hillsboro, ND 58045

As a representative of the Weed Control Board, we are against the location of the receiver proposed location in the Blanchard study area. My question concerns the weed control to be used on the site, around the fence, on both sides. Who is to maintain the control and by what means? The blue book states that the land would be returned to natural vegetation. That would have been fine 80 years ago. Unfortunately, man has infested, over the years, the land with many weeds. Ten of these weeds are termed noxious and must be controlled from spreading onto farmland. These weed seeds can be spread by water and wind currents. Birds spread seeds inflight, and man carries them on machines. The N.D. noxious weed law states that these weeds will be controlled by the landowner or persons in charge of the land. It states that the noxious weeds will not be let go to seed and that no propagating parts will be moved with the soil.

Harold Stokke — G3, G6

RR 1 Box 84, Grandin, ND 58038

Opposed to taking premium land. Will be hard to keep up our country roads. There is lots of marginal land it could be put on.

Our tax base will have much to do with our schools.

We have surpluses today but it might not always be that way.

Keith Kaldor

Pres., Traill Co. Farm Bureau, Hillsboro, ND 58045

The Traill County Farm Bureau supports any opposition to the location of the OTH-B Radar System in Traill County.

Lorrie Jerde

RR 2 Box C-58, Hillsboro, ND 58045

As County Supervisor of Farmers Home Administration, U.S. Department of Agriculture for Traill County, I have received comments and concerns from my borrowers in the proposed site area. A copy of the EIS draft may answer some questions. Also a copy of the final EIS could be helpful to have for reference in our office. Thank you.

Traill County Farmers Union

G3

c/o David Eblen, President, Rte. 2, Hillsboro, ND 58045

The membership of Traill County Farmers Union, meeting in convention on November 15, 1986, unanimously passed the following resolution:

The Traill County Farmers Union supports the National Defense but be it resolved we oppose the use of prime farmland for the placement and construction of the Horizon Back Scatter Radar System.

Attested: David Eblen, Carl Amb, Leland Olson, Paul J. Satrom, Dallas Boeddeker, Olav L. Aarsvold, and Thomas Vettel--Officers and Directors of the Traill County Farmers Union.

Agnes Haugen

G4, G6

130 6th Street Southeast, Mayville, ND 58257

I am opposed to the placement of the Central OTH-B Radar System in the Galesburg study site for the following reasons:

- As a senior citizen approaching retirement, I had anticipated a significant portion of my retirement income coming from the lease of my farm property to my daughter and son-in-law.
- The real estate is a prime breeding area for whitetail deer and a migratory route for waterfowl.
- The loss of tax revenue to local government is substantial.
- The loss of farm related business sales to local suppliers will have a disastrous effect on the local economy.
- Local school districts will lose students, taxpayers, and state and federal revenues which are based on per pupil enrollment.



Olav and Marilyn Aarsvold

G4, G6, G8, G9

RR 2 Box 12, Blanchard, ND 58009

We own and lease farmland both within and adjacent to the proposed sites in the Blanchard and Galesburg study areas. We are opposed to the siting for the following reasons:

1. The loss of our livelihood as farmers. Being in mid-life, we have little opportunity for other employment.
2. The economic loss to our local governments and school districts due to lower tax base.
3. The social and economic impact on adjacent small towns will be signifiant. Farm machinery outlets, repair shops, and all agricultural related businesses will have much difficulty. Families will be forced to leave the area to seek employment.
4. Electronic equipment which we currently own and use both for business and entertainment will probably become useless to us.
5. Migratory and resident wild game [will] be harshly affected.
6. Health concerns remain in our minds regarding errant microwave radiation.

O. L. Aarsvold

G6, G7, G8

Clk-Treasurer, Greenfield Township, RR 2 Box 12, Blanchard, ND 58009

The Supervisors of Greenfield Township, Traill County, North Dakota express the following concerns and questions regarding the placement and construction of the Central OTH-B Radar System in the Blanchard and Galesburg Study Sites:

1. Loss of revenue to Greenfield Township used to maintain roads.
2. Maintenance and construction of township roads used during site preparation and construction.
3. Consequences of snow catch and spring runoff caused by construction.
4. Health considerations caused by errant microwave rays.
5. Loss of agricultural related business in local communities.
6. Local zoning ordinances will be violated.
7. Unforeseen costs that the township may incur before, during, and after construction.

Respectfully submitted, Joel Halvorson, Arden Paulson, Merle Widley - Supervisors, Greenfield Township.

Lee Kaldor

G6

RR 1 Box 61A, Hillsboro, ND

The tax loss incurred by our Hillsboro School District would be at a minimum of $6,936.00, not including loss of students through displacement at $1,555 of State aid per student. This appears to fall within the 10% of valuation--therefore, no impact aid. I believe that this is wrong, there should be aid based on yearly loss times the expected years of use or ownership by the Air Force.

Morris Ostmo

RR 2 Box 110, Northwood, ND 58267

We would like some information on the Over-the-Horizon, or I should say, map, on the area of the sites proposed.

Joseph H. Hanson

Route 1 Box 104, Finley, ND 58230

I request information that can [be] submitted to landowners or persons affected by this system. In particular, our people would like to know [the] type of installation planned for certain areas. We as commissioners are asked questions that we have no way of answering. It seems as though more general information should be made available.

Kenneth H. Volla

G3, G4

Route 2 Box 29, Mayville, ND 58257

None of this radar stuff is of any real value to the community or area, and doubt if the prime farmland you are after ever be any good after military uses it, even if only 20 years.

When land is ever taken for these purposes, you should be willing to pay way above its market value, as will be ruined forever. If ever were to be used as farmland, after your use of it, lots of steel and concrete to get rid of, would be a huge expense.

You can certainly keep out of good prime farmland, and consider using poorer quality land somewhere. You've already have taken good farmland for Minot and Grand Forks air bases, and missile silos, too. North Dakota has done a lot.

I do not wish this radar on anyone, even if needed, but we certainly don't need it here.

I have lived here and in this area for 49 years, and am pretty close to your plans at Blanchard. It would be a disaster to be chased out.





This whole thing has been far too secret about many aspects of it, and being such a rush all of a sudden, has never been enough meetings and held at the wrong times, like in harvest.

Peder M. Locken

G2, G3, G4, G5, G8

RR 1 Box 65, Aneta, ND 58212

I am opposed to this system for many reasons. The main reason is our farm is in the study area. I have worked on my Dad's farm for many years and have just gotten everything in shape. It seems to me the land is better used as farmland than this system. Do we really need it or will it just stand empty in a few years like Nekoma, the Minot radar base, and Finley radar base? We know it will have a visual impact. Air and health problems are real. It will also affect wildlife in the area. We have a lake (Rugh) west of our place and also some hills. This is a good place for hunting. However, if such a thing is put up here, it will interfere with that. Our farmland is as good if not better than in other areas. I hate to see it wasted. I have a lot of stuff bought on Dad's farm, and if you make him sell, then I would have to move or sell it. I can't see why we need this system anyway as we have one on the east and one on the west coast; why can't we have a series of smaller systems like up near the pole. Our farm has sentimental value and is a smaller family-type farm and should be preserved.

If we get Star Wars won't that make this system obsolete? Then it will be not used for anything unless (maybe) a nuclear waste dump. I feel that there are much better ways of spending money than on this system. One thing is too much land is wasted. Sure you buy the land, but at what price? Who knows if land will not be worth more later on. If you lease the land, that is no good because it would be at about $25 to $30 per acre (not nearly enough). Land prices and cash rents are down from what they were. Some people want to sell because they are losing their land to the bank or something--buy it from them. They want it up by McVille. I live in Rugh Township, and most people here don't want it, at least the ones who know about it, I was told by my cousin who knows more than anyone here. Here are the main reasons then 1. good land, 2. good wildlife habitat, 3. don't really need this system- build something else instead. I will oppose this system if you should decide to put it here. It would destroy our farm. Dad says it will do no good to fight it, but I hope it will help. If it is put in here there will be no neighbors and no one left to pay taxes for road repair and maintenance and pay taxes to keep our school going. We didn't have many people speak up for us at the meeting so I am afraid you just might want it here. I guess they are like me, not too good to talk in front of a whole bunch of people. I wish I knew what to tell you so that you won't put it here. I think we have too much snow for such a system to be practical here in N. Dak. Also flooding could be a

problem. Put it on no good land. I'm sure many will want to sell that to you. I saw Nekoma and thought what a waste. We don't need anything like that here. A whole lot of antennas are not a pretty sight, nor is a large fence. Surely you can think up something better. These are some of my thoughts on the matter and would say more but I'm running out of paper. Thank you for reading this.

John Vein — G1, G4

Box 329, Niagara, ND 58266

I would like an answer from you as to why I was not informed of the fact that my land was in the study area. I never received any letter specifically stating my land was in the study area. Had I known I would have taken in and given more input at the public hearings. Many of my neighbors as myself have heard of the Dahlen study area but did not know we were in it when we live this far away.

Marvin Sand — G3, G4, G6

RR 1 Box 2, Clifford, ND 58016

I am not against OTH-B but am against using prime farmland for it. Southeast of the Grand Forks air base is what is known as Alklai Flats (grass land), or south of Leonard, N Dak is government-owned rangeland, and there are other areas not as productive and less populated that I think should be considered. I've put years in building up my farm, new buildings, etc. I don't want to give it up. I also know how the government handles their roads to missile sites, snow removal, graveling, and weed control; all have a lot to be desired.

Our local elevators are going to be hurt by loosing 3 to 5 hundred thousand bushels of grain a year through loss of acres. If land is to be bought, will it be assessed (appraised) at current market value? We've lost 3 to 400 dollars per acre in the last 3 or 4 years because of depressed economy--all our equity. Hopefully in two or three years, it will be back where it was. Thank you.

Helen M. Vinje

Mayor, Box 29, Clifford, ND 58016

My opinion of the installation of OTH-B Receive Site in this area of N.D.: the farmers and general public of a "site" area of this type will be "losers" as they have always been when any military moves have been made. As is the case in communist-controlled countries, the general public is expendable, an age-old concept since creation. Those with "power" control and "use" those who are not in power.



We could make better use of the millions of dollars needed for this so-called (obsolete before installation) protection, for example, border patrol on our southern Mexican-American border, and making an effort to learn to know and understand our neighbors and be responsible for the actions of our people when abroad.

Mark Porter — G3

Box 63, Grandin, ND 58038

I don't think it should be built on private land; use government land.

Mr. and Mrs. Melfred Locken — G4

R 1 Box 66, Aneta, ND 58212

I disapprove of the Radar Site on my land in Rugh Township as the farmland is the only source of income. I don't want to sell it.

Keith Porter — G2,G3,G5, G6, G7

P.O. Box 111, Hunter, ND 58048

1. Our area is subject to flooding 4 out of 5 spring seasons. 2 feet of water common on runoff.
2. This will ruin the value of the community.
3. The soil in this area is impossible in wet weather. Black gumbo will stick to everything.
4. The roads will never stand the loads.
5. Family farms would be split.
6. Tax money loss not spelled out in any good and guaranteed way.
7. Wildlife habitat would be disrupted.
8. This monstrosity will be obsolete before it is finished.
9. North Dakota has been dumped on enough with crazy ideas that never worked.

We don't want this damn thing on our land, now or ever.

Thomas Ebien — G3

RR 2 Box C45, Hillsboro, ND 58045

I am a farmer from the Hillsboro area. I am also involved in farming interests in the impacted Blanchard site. Also, I have been elected to the County Commission from Traill County. My personal opinion on the OTH-B System is that by your own admission it can be

moved 100 to 150 miles in just about any direction and still have the range to do what it is supposed to do. There are many locations within this radius that are marginal land and would serve your purpose. Use one of these location and don't use up some of the best farmland in the world, mess up some very good families' lives, and as an end result end up with an eyesore that will totally disrupt the drainage in the area that has taken years to establish and will cause flooding and destroy farmland and crops in the eastern half of the county. As an elected official from this area many people have talked to me and expressed their concerns over this project. None of them are in favor of it. At the Hillsboro informational meeting on November 18th, you had many testimonials against this project. My only regret is that I didn't ask for a show of hands from the people asking how many were against this project. I am quite sure 99% of the people would have voted against it. The point is, gentlemen, nobody from this area wants your radar system here. Please take this into consideration when you make your final decision. Thank you.

Verna Ecker — G3, G5, G8

RR 1 Box 76, Grandin, ND 58038

You people did a good job explaining at Hillsboro meeting. Thanks for coming.

We don't want our prime farmland used. Must be land available not used for crops. Concerned about health issues--current traveling in the ground and stray voltage.

Concerned about water control, drainage, and weed control.

Dean Ecker — G5

Grandin, ND

Most every spring as the snow begins to melt, the water fills up many sections with water in the land considered in the Blanchard study. This could prove to be quite a problem in using your equipment here.

Thank you for having the hearing.

Bernice I. Porter — G2, G4, G5, G6

Box 111, Hunter, ND 58048

Prime family life and farmland will be devastated.

After 20 years or sooner when it becomes obsolete, it will become a refuse dump.

It will lower the value of surrounding land.



The biggest problem is drainage. The geological report was not complete or authentic.

We do not wish to sell our land!

Hunter Grain Co. — G6

Hunter, ND 58048

Hunter Grain Co., a locally farmer-owned cooperative, with its headquarters in Hunter and a branch station at Blanchard, would stand to lose a great deal in yearly sales of seed, fertilizer, chemical, and fuel. The proposed site lies in the middle of our trade area. We also provide services to apply seed, fertilizer, and chemical. As a licensed and bonded company, we buy and sell the grain produced on this targeted area. We estimate to lose $500,000 a year in sales if the site were to be located here. We support the local citizens urging you not to put a radar site at this location.

Mr. and Mrs. Maynard Satrom — G3

Our farm, all of the land we farm, is included in the North Dakota-South, Galesburg (Receive). We are very concerned about this. As you've probably heard before, we have been struggling the last few years in farming and now this is one more obstacle you are putting on our shoulders. Why? We think it's time the government takes a good hard look at just how important our farmland is. We don't need 2,400 acres of this precious land used as a backscanner operation. You're asking us to give up our 3-generation farm--maybe our land which is feeding the world is more important than this Backscanner--please consider our points carefully.

John Tate — G3, G4, G6

Hunter, ND

1. Question--Why is the government trying to take this prime farmland and destroy it when it has designed this radar system to protect it? We have a surplus of grain now but it may not always be that way in the future.

2. Question- What is to stop the government from turning these areas into nuclear waste dumps after twenty years or less if the project is scrapped when construction is completed? There are other areas that have had obsolete equipment put in before construction was completed.

This project could turn out the same way five years from now and you will have ruined the land for production by mixing up the clay and subsoil with the topsoil in construction.

3. Question--What would these antennas sound like with a thirty or forty mile-an-hour wind blowing through it, and another landowner was living nearby? This system is going to devaluate the nearby land because nobody will want to buy or live alongside it.

4. If the land is leased or sold to the government and the radar system is decommissioned in twenty years or less, who is responsible for putting it back to the natural state or reclaiming it.

   The reclaiming cost will be too high for either the landowner or person to get it back. The cement foundations will all have to be buried.

5. Question--Why can't this project be put on land that the government already owns and not disrupt this highly productive area and its people?

*In conclusion, I'm definitely opposed to this radar system* being built in the Blanchard study area.

I'm one of those people who are not willing to sell or give up this good land easily.

Dennis Peterson

Grandin, ND 58038

Thank you very much for having a meeting at Hillsboro I am glad you finally figured out that people live in the affected area. I don't think you realize that the land is part of our lives. Many of us have put in 20-hour days to get the land worked in time to pay for it and our livelihood. We will continue to oppose this catastrophe with all my power.

James W. Howes

1801 S. Flagler Drive, #1002, West Palm Beach, FL 33401

I am an owner of the north half and southeast quarter of Section 12, Township 144, Range 52 in Traill County, North Dakota. We are favorable to the idea of a Radar Instal ation. I favor leasing our land.





G3, G6

Paul S. Erickson

Route 1 Box 83, Galesburg, ND 58035

It would seem that there should be less productive and less populated land that could be used; that would be less destructive to the economy and people. [Signed by Philip and Gilmore Jondahl, Hope, ND 58046]

We also feel that less productive land could be found and not deprive people of their livelihood. [signed by Sigrid and Paul Erickson]

Representative Curt Alankin

G8

53 1st Ave. S.E., Mayville, ND 58257

It is my concern that we are perfectly sure that health will not be affected by the placement of the backscatter system. I don't believe that the citizens of North Dakota, particularly the Traill County area of which I represent, should be used as guinea pigs for the benefit of the Central Radar System. I would hope that you check very, very carefully into this matter before you make a possible life-threatening situation if that be the case.

Gerald Radebaugh

G3, G5, G6

Route 1 Box 57, Grandin, ND 58038

My main concern is the taking out of production some of the richest land in the world. I should think areas of poor soil -gravelly-rocky-swampy--could be found and used. Also, the loss of tax revenue disturbs me at a time when our schools are already in trouble financially. Drainage could also be a problem without extensive work. I should think this system would be more effective at a higher elevation, such as further west. For these reasons, I am opposed to placing the Backscatter receiver in the Blanchard area or anywhere on good productive land. Thank you.

La Mae Radebaugh

G3, G6

Route 1 Box 57, Grandin, ND 58038

The land is far too rich and productive for the backscatter receiver. We need the tax dollars for our local schools.

Winnifred Jane Kopanger

Hillsboro, ND 58045-0041

For years (30+), the prairies of the Red River Valley of the North have been severely misused: fields leveled; natural draws, shelterbelts, wildlife, roads, field margins, ditches, trees: DESTROYED. Many native wild flowers, birds, insects, animals: EXTINCT. Poor farming: improper rotation, wrong plantings for soil types, overtillage, chemicals (pesticides, fertilizers, herbicides) have eroded the soil (either blowing or flooding) (no tilth: no structure). This has also led to POLLUTION, ACID RAIN, UNTOLD ALLERGIC manifestations, even illness and death.

HOMESTEADERS were allotted land to use as farms (homes within): a trust. Our farm was such, has been, still is, for over 100 years. One wants to keep AS IS, to reserve, to preserve, to conserve. It is understandable to not want to break up farms. BUT many sections are void of trees, desolate, flat, eroding, and might be ideal sites for receiver sites. Living near one would be no problem. OTH-B could be no worse than the terrorizing, (i.e.) noisy beet-hauling trucks in harvest, the eroding soil, the poisoning (spring 'til fall): the damage done to the environment by the "phony" farmers.

4-34

Margaret Setrom

G2, G4

RR 1 Box 67, Hope, ND 58046

I think what you plan to do with our land is stupid, and you did the same thing a few years ago by putting in the underground missiles, and they didn't work so you covered them up, and it seems to me that the government can find better ways to use our money and our land. What of our wildlife? I lost my husband 25 years ago and had 3 small children, and we have worked hard to save our farm, and I just don't think that the government has the right to take our land.

4.1.5 Britton, South Dakota

Sandra Bistodeau G3, G6, G8

Route 1 Box 5, Claremont, SD 57432

I have many concerns about this system. One of them of course is the health hazards. How safe is it for fetuses--old people? Can it be proven safe for more than 15 years? Isn't it true that there is a buildup of radiation? It can't be compared to a microwave oven--they aren't in operation 24 hours a day.

This will require a great deal of electricity. What about the transmission lines for the electricity.

What are we supposed to do for a living if the land is taken?

Won't this make us a target for enemy missiles?

The land taken on the East Coast was not prime agricultural land--this is.

Roy A. Pulfrey G5, G8

1722 Melody Lane, Aberdeen, SD 57401

Will the land be sterilized?

Microwave 1 $mW/cm^2$ - 5 $mW/cm^2$

CB radio antenna - 0.5 $mW/cm^2$

Will the area (the transmit site) be continually monitored for radiation emissions? Will this information be public?

Don Franzen

No address.

How many people live within the site? Could you have a show of hands?

Robert James Erdmann G3

Route 1 Box 28, Andover, SD 57842

I would sell my farm if the price would be fair. I have 387 acres and I am sure there would be land available that joins my land. There are only a couple of farms with buildings here. I live 7 west of Pierpont and 1 1/4 North. My land is in Farmington and Riverside Townships, Day and Brown County. I gave you the legal description in my letter after the Langford meeting in September. I hope you will give my area a checkout if you have any problem in your chosen area. Thank you.



Richard Wismer

Route 2 Box 23, Britton, SD 57430

I attended the Britton meeting last night 11/19/86 and am sorry now that I didn't say something. The Aberdeen paper reported virtually no support at the meeting. I am sure that way over 1/2 the people at the meeting were not opposed to the site. The nitpickers that spoke are against any change.

I sent you a map of our land which is too close to town but the Don and Ron Jarrett land would be ideal.

I am a 3rd-generation Britton resident with an engineering background. If I can be of any help, please contact me. Check with Britton Mayor Deloris Henahan as a reference.

Chuck Liknes

Box 412, Britton, SD 57430

I would first of all like to commend Col. Lee and the rest of his staff for a well-presented program at Britton. Although they heard mostly from the opposition at this meeting, not everyone in this community is opposed.

The fact of the matter is that a goodly number of community residents are quite happy about this area being considered. Some have stated that they would be proud and happy to have the Air Force as a neighbor. Many feel that any job opportunities it may offer would have a very positive impact on this area. Hoping this area will continue to receive consideration.

Maynard C. Eikamp

602 5th Street, Britton, SD

It would be a big boost to the Britton Community to have the Radar Site close by. We have a son that was in Thule, Greenland for four years and is now at Clear, Alaska, on the Radar Base for 5 years, and he enjoys his work.

BDM Rural Water System, Inc.

P.O. Box 49, Britton, SD 57430

BDM provides a rural water supply to residents of Brown, Day, and Marshall counties. The system has buried PVC pipe in the area, ranging in size from 8" to 1 1/2" pipe. We have enclosed a map showing the locations of the pipe [received, but not reproduced here]. Should the selected area cross one of BDM's lines, we would be concerned about line

maintenance procedures, i.e., access to the line for repairs and inspection. We would like to know if this would mean moving some of our line and if BDM would be reimbursed for having to take such action. BDM does hold easements for all of the private land on which the pipe is buried.

Note: The page numbers for the map sheets are in the lower right-hand corner of the pages. There are four sheets enclosed that span the entire area under consideration.

Bill and Phyllis Tisher

G2

P.O. Box 181, Amherst, SD 57421

We live in Weston Township, Amherst, South Dakota.

We feel the OTH-B radar is not necessary as it is a overkill of the coastal systems you already have in the production stage.

This land has been in our family for 65 years, and we are not going to give it up.

The bottom line to this is we are going to fight back to retain our land.

Wayne J. Nelson

RR 1 Box 17A, Langford, SD 57454

I would be interested in talking to you about the sale or lease of my property. It is in Hickman Township, Section 9, Marshall County, South Dakota. There is also a lot of land north of me that may be available if the landowners were asked. There is no farm as powerlines or anything that I can see would be in the way. Sections 2, 3, 4, 5, and 6. I cannot speak for these landowners, but they could be approached.

I think this project could be a good thing for this area and I would like to see you put it here. There is also a lot of other people I have talked to that think so, too.

Burton Rademacher

G3, G8

RR 1 Box 88, Amherst, South Dakota 57421

We are not in favor of having the Over-the-Horizon Backscatter Radar System located near Amherst, South Dakota. We feel there are numerous unanswered questions about the long-term effect on humans, land, cattle, birds, air quality, and the total environment. We are an agricultural community and do not wish to see any land taken out of production for the Backscatter Radar System. This area is our home....we like it here....just the way it is. Thank you.





Harvey C. Binger

Box 925, Britton, SD 57430

As a resident of Britton, I hope you can see fit to install the radar installation in this area. I have talked to area farmers who would be willing sellers of land. I believe this could help the failing economy of Britton and other small towns in the area. I would like to this as close to Britton as possible. I believe there would be more farmers willing to sell if they were contacted personally rather than at a public meeting. I believe that if a local person was with your Air Force people when contact was made, more could be gained by you. I am on the Britton City Council and will give you all the help I can.

Ella Impecoven

G3

Box 607, Britton, SD 57430

I think we need this system, but it should be placed on land not available for farming--very fertile but too sandy.

This should be placed in sections 30-31 and 32 in Dayton Township 128N Range 59W, northwest of Britton. Also section 6 in Stena Township 127, Range 59W.

Some of this land would need to be leveled. This would be a small expense to the government. Less environmental study would be required; no one lives near. Powerlines would not bother anyone.

This is the only place in Marshall County where no one is going to object to its location!!!

Michael B. Nelson

G3, G4 ,G8

RR 1 Box 35, Langford, SD 57454

I am very concerned about the health aspects of this radar system. I have 2 small boys, and I don't want to risk taking chances with their health. I feel the U.S. Air Force is sometimes very slack with the health aspects of their system, for instance: agent orange was supposed to be safe, but the Air Force found out that it was not safe. You take the country USSR, they have set their health aspects much higher than the U.S. has on radar, now that is something to think about.

You say you will monitor the radioactivity of this, but would you shut down if radioactivity got too high. I have my doubts if you would shut down or even say anything to people around here for fear of the publicity of the press.

You would think that the U.S. Air Force who put men on the moon could find a place to put their radar system so it would not affect the health of the people or destroy a person's way of life. There are many

farmers here, who are living on farms that have been in their family for over 100 years. Our farm is a century farm, and since we are not a very large farm, to take any of our land would ruin our farm, and we will fight long and hard to keep our land. If land is taken away from a farmer, he should or a member of his family should have the first chance to buy the land back; it should not be auctioned off since the land was taken from them and they had no choice.

4.1.6 Thief River Falls, Minnesota

Peter Hapka G5, G6, G7

Route 2 Box 43, Thief River Falls, MN

Will additional power be needed to be brought in or is local power adequate? Do new power lines need to run in; if so, what kind? Where would they come from? How is drainage affected around the site? If flooding is not desirable for the site, is water coming off the site dumped on the near land at an increased rate causing crop damage? Or is water to be held behind current roads and controlled flows through existing culverts? The northwestern part of the TRF area is subject to periodic flooding.

Who owns the roads that will be put in place to go around the site that the Air Force builds and maintains, to affect roads that were obstructed or roads maintained by the Air Force to affect local tax losses--townships, counties, or Air Force?

Lou Blake G2

1. Given the four hours of prewarning, what would then be the course of action in those four hours?

2. How will the detector determine if the incoming planes are a military attack or a commercial airliner approaching?

3. Concerning the northern detectors in Canada, my question is won't that be the weak spot since they only give 30 minutes prewarning? Or is the E & W Coast overlapping this area?

Jay Blake G2, G3

1. Given that 3 of 4 sites are located on or near the U.S. coasts, why Minnesota and N.D.? It would appear that locating the system in Texas would allow enough overlap. Or is this merely a punishment for the fact that Minnesota didn't vote for Reagan in 1980 or 1984?

2. Admit it, this is ugly. What will be done to ensure that this site, if it is ever built, is not a visible eyesore, much like a nuclear power plant or even a waste site?



Allan Gustafson G5

Route 1 Box 99, Plummer, MN 56748

Surface field drainage is a vital part of every farm operation in this area which is under consideration for the receiver site. If the receiver is built, I would expect that most or all of the drainage would be rerouted around the site, as it would not be feasible to try and do maintenance beneath the antenna. Rerouting drainage will result in changing watersheds, and it will be important to make sure that adequate design of channels and culverts is done, perhaps for miles downstream--to minimize any flooding and erosion problems. The soils in this area are predominantly sandy loams. If water is not managed properly, severe erosion can result (especially in this area due to the large amount of fall in the land from east to west).

If any work is done in this area affecting the drainage, it must have the stamp of approval by the affected landowners, townships, county, Red Lake Watershed District, and the local Soil and Water Conservation District.

Jim Hahn

Route 1 Box 334, Richville, MN 56576

As a member of the community of TRF, I would like to see TRF selected as a final site of the OTH-B. We need it for defense purposes, the land it takes out of production will help reduce the amount of grain surplus now in storage, and the jobs it will provide will help the economy in our area. It is obvious that there are no health risks and any farmers displaced can easily buy farmland elsewhere.

Faith Rud

Route 3 Box 152, Warren, MN 56762

This project is an afront to the citizens of this area. The Air Force consultant has badgered and ridiculed those of us who have asked questions. The condescending attitude is as offensive as the project itself.

This money could be better used for promoting peace.

David Spengler G3

RR 4 Box 168, Thief River Falls, MN 56701

Why isn't Central site located in south central U.S.? Wouldn't greater advanced warning time occur if site was located in south central U.S.?

Arlene Jagol G9

Route 5 Box 72, Thief River Falls, MN

Contamination of near-surface aquifers by spills of oil or gasoline during construction, by leaks from underground fuel storage tanks during operation, and by interference by shallow antenna foundations with the groundwater system should be a concern of all of us. How would the Air Force guarantee that our groundwater supply would not be contaminated?

We live near a TV tower and have interference on all but one channel. What kind of interference can we expect from the OTH-B, and what measures will the Air Force take to prevent this? What distance from this TV tower would the OTH-B be located?

Maurits Scholin

348 No. Ericher Ave., Thief River Falls, MN 56701

Statements made before have not changed. I will negotiate fair and square. Sale or lease.

Paul Aakre G4

Rte. 1, Angus, MN 56712

Are there future plans to add an additional OTH Backscatter to supplement the lower quality radar system along the North tier of Canada, and wouldn't this area possibly be the chosen site for additional systems?

Roger A. Hible

RR 1 Box 147, Thief River Falls, MN 56701

Best information meeting so far! Go for it!

Eldred Arers

RR 1 Box 231, Thief River Falls, MN 56701

From the publicity that has been available and the meetings earlier as well as the 20 November meeting in Thief River Falls, I have decided I definitely would not want this installation in the area in which I am a land owner and in which I live.





The Air Force picture is just not presented in a creditable manner: the land owner (seller or offering for rent) will be a "satisfied" participant, no harm to wildlife, water both pollution and drainage, neither do I swallow that about roads and other benefits being built, maintained, and improved.

Robert A. Wurst

237 N. Kneale Avenue, Thief River, MN 56701

After hearing the presentation at Thief River Falls, I am satisfied that environmental hazards of the receiver site are miniscule. It is also my understanding that many landowners have indicated a willingness to sell or rent land for the site. The site and facility are needed for adequate air defense. There is no sufficient reason the project should not proceed at Thief River Falls.

I want to complement Col. Lee and the other representatives of the Air Force for a thorough, professional, and courteous explanation of the nature of the project and response to questions.

Jon Jagol G5

RR 5 Box 72, Thief River Falls, MN 56701

If rural Thief River Falls is selected for the proposed OTH-B and an 8-mile by 1/2-mile exclusion fence is erected, how will the Air Force control spring runoff from this immense snow catch that could massively erode an irreplaceable and already fragile soil? If ditching is the alternative, explain your flood control programs for the Black, Snake, Red Lake, and Red Rivers, or what viable solutions can you implement?

### 4.2.1 State and National Agencies and Organizations

Letters were received from:

Becky Johnston, Executive Director, Northeast Council of Governments, Aberdeen, SD
Gary E. Cargil, Regional Forester, U.S. Forest Service, Lakewood, CO
John C. Mitchell, Chief, Radiation Sciences Division, USAF School of Aerospace Medicine, Brooks Air Force Base, TX
Shirley R. Dykshoorn, Director, Office of Intergovernmental Assistance, Office of Management and Budget, Bismarck, ND
Walter Hjelle, Highway Commissioner, North Dakota State Highway Department, Bismarck, ND
Thomas J. Kalitowski, Executive Director, Minnesota Pollution Control Agency, Roseville, MN
John C. Ditmore, Chairman, Minnesota Environmental Quality Board, St. Paul, MN
Joseph M. Kurcinka, Supervisor, Environmental and Management Analysis Section, Minnesota Department of Natural Resources, St. Paul, MN
Bruce Blanchard, Director, Environmental Project Review, U.S. Department of the Interior, Washington, D.C.
James Nichols, Commissioner, Minnesota Department of Agriculture, St. Paul, MN
Kent Jones, Commissioner, North Dakota Department of Agriculture, Bismarck, ND
Hubert H. Humphrey III, Attorney General, State of Minnesota, St. Paul, MN
Gene A. Christianson, Chief, Environmental Health Section, North Dakota State Department of Health, Bismarck, ND
William J. Janklow, Governor, State of South Dakota, Pierre, SD
Robert R. DeSpain, Chief, Environmental Assessment Branch, U.S. Environmental Protection Agency, Region VIII, Denver, CO
Joseph M. Kurcinka, Supervisor, Environmental and Management Analysis Section, Minnesota Department of Natural Resources, St. Paul, MN
Jodi Schwartz, Program Associate, Rural Coalition, Washington, DC

# NORTHEAST COUNCIL OF GOVERNMENTS

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29 Aug 86
3

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August 25, 1986

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attn: Lt V. G. Brown
Hanscom AFB, MA 01731-5000

Dear Lieutenant Brown:

In reviewing the Draft Environmental Impact Statement for the proposed Central Radar System, I found incorrect data on section 3.3.2.9.2. Water Quality, page 3-18.

The Towns of Langford, Pierpont and Claremont are currently bulk users of the B.D.M. (Brown, Day, Marshall) Rural Water System, Inc. This rural water system also provides hundreds of rural homes and farms with water. The B.D.M. Rural Water System was constructed in two phases and construction of the system was substantially completed by November, 1985. I have enclosed a copy of a map that identifies the area served by this system.

Although I do not have specific information on the quality of the B.D.M. water source, I know that it is a better source than what the communities were previously using.

Mr. Ralph Skare is the Chairman of the B.D.M. Rural Water System. The B.D.M. office is located in Britton. Their address is P. O. Box 49, Britton, SD 57430. The telephone number is 605/448-5417.

I hope that this information is of use in the Impact Statement.

Should you have any questions, please contact our office or the B.D.M. office.

Cordially yours,

Becky Johnston

Becky Johnston
Executive Director

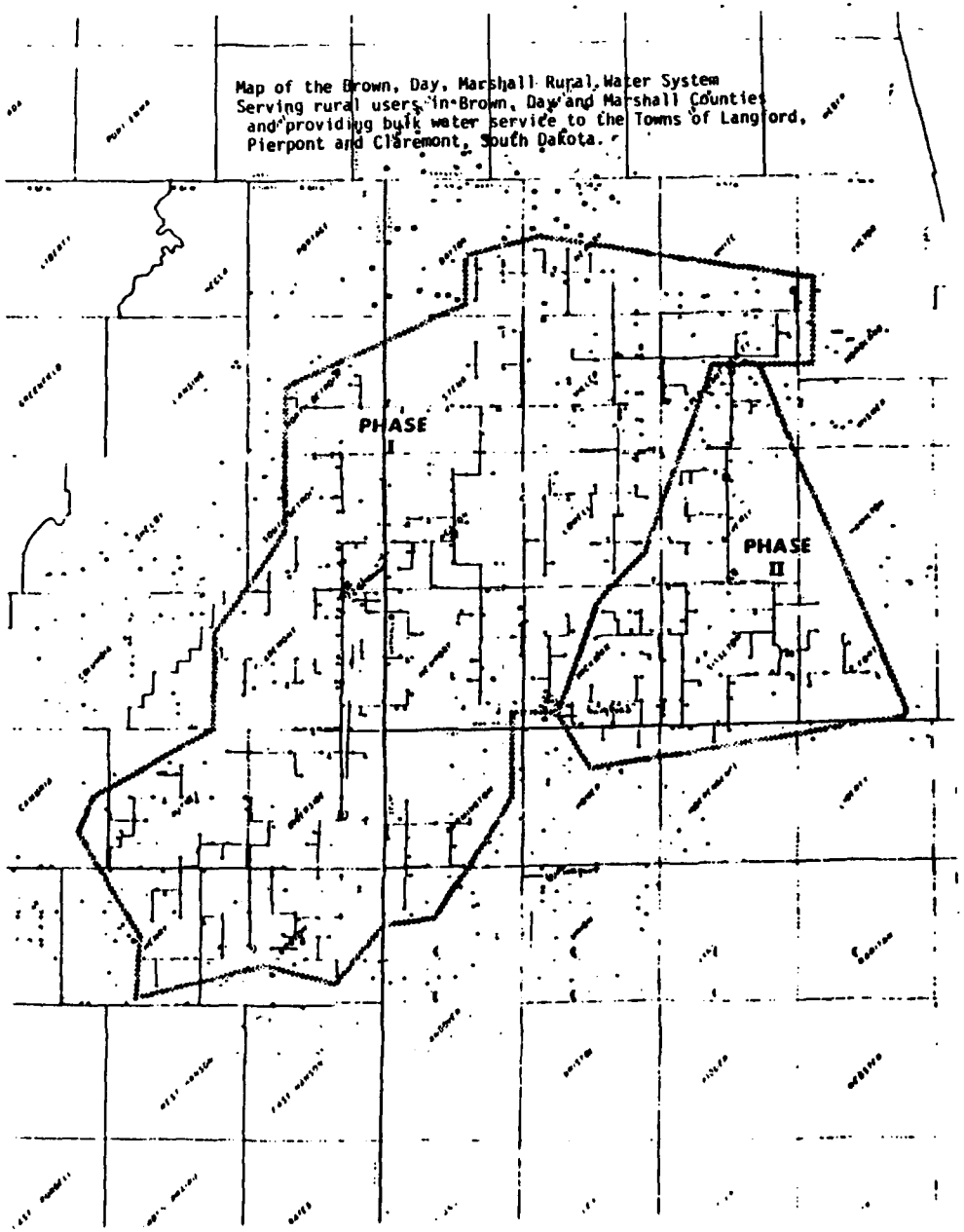
Enclosure

cc: B.D.M. Rural Water System

Chairman, Ray Fortuin — Vice Chairman, George Hanson — Sec. Treasurer, Floyd Gjernes — Executive Director, Becky Johnston

4-41

59




Map of the Brown, Day, Marshall Rural Water System
Serving rural users in Brown, Day and Marshall Counties
and providing bulk water service to the Towns of Langford,
Pierpont and Claremont, South Dakota.

United States Department of Agriculture | Forest Service | Rocky Mountain Region | 11177 W. 8th Avenue Box 25127 Lakewood, CO 80225

RECEIVED SEP 08 1986

Reply to: 1950

Date: AUG 28 1986

Col. James A Lee, Director
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, Massachusetts 01731-5000

Dear Colonel Lee:

Thank you for the opportunity to review the draft Environmental Impact Statement on the proposed construction and operation of a Central Over-the-Horizon Backscatter Radar System.

Our staff on the Black Hills National Forest in Custer, South Dakota, reviewed the EIS and determined that the proposed project will not affect National Forest System lands or activities in South Dakota.

Sincerely,

4-42

for GARY E. CARGIL
Regional Forester

cc: EC, P&L, WO
Black Hills NF

MS:sa

FS-6200-28(7-82)

DEPARTMENT OF THE AIR FORCE
USAF SCHOOL OF AEROSPACE MEDICINE (AFSC)
BROOKS AIR FORCE BASE, TEXAS 78235-5000

RECEIVED 15 Sep 86

8 SEP 1986

REPLY TO ATTN OF: RZ

SUBJECT: Alaskan and Central OTH-B Draft Environmental Impact Statements

TO: HQ ESD/SCO (Lt. V.G. Brown)
Hanscom AFB, MA 01731

1. Comments by the personnel of the Radiation Sciences Division, USAF School of Aerospace Medicine, Brooks AFB, Texas on the draft environmental impact statements for the Alaskan and Central OTH-B radar systems are provided per your request. Both environmental impact documents are excellent and very credible. Their high quality indicates the expertise of the preparers and are what we have come to expect from the SRI International team. Specifically, the human health effects sections (Section 4.14) have been well prepared. The discussions therein are cogent and relevant. However, consideration should be given to using the report USAFSAM-TR-83-1 entitled "Bioeffects of Radiofrequency Radiation: A Review Pertinent to Air Force Operations" as an attachment to the EIS. This report was prepared during the environmental impact analysis process for the Southeast and Southwest PAVE PAWS radar systems, and has proven to be a very credible document, and represents a consistent Air Force position. 60

2. There are some additional items we would like to see addressed in the final versions however. Oh 30 July 1986, the Environmental Protection Agency published a notice of proposed recommendations entitled "Federal Radiation Protection Guidance; Proposed Alternatives for Controlling Public Exposure to Radiofrequency Radiation: Notice of Proposed Recommendations" (Federal Register, Vol. 52, No. 146). This notice offers four guidance options for consideration. The most stringent option limits environmental exposure to 0.04 W/kg; at 5 MHz this equates to a power density of 3.6 $mW/cm^2$ and about .11 $mW/cm^2$ at 28 MHz. If the highest power density at the exclusion fence is really 0.02 $mW/cm^2$, then exposures to the public would indeed be a factor of 5 below the strictest proposed option. A thorough discussion of this EPA proposal and its implications for the OTH-B should be developed for the final EIS. 61

3. A significant omission from the EIS is a discussion of the problem of perception, shock, and burn from the electric fields associated with the emissions at OTH-B frequencies. For instance at about 3 MHz the current flow for perception when in contact with a large ungrounded conductive object is associated with an electric field of around 50 V/m, while the let-go threshold at this frequency is about 100 V/m. A section on shock and burns hazards should definitely be added to the EIS. Some relevant references are: Gandhi and Chatterjee, Proceedings of the IEEE, Vol. 70, No. 12, 1982 and Chatterjee, et al., IEEE Transactions on Biomedical Engineering, Vol. BME-33, No. 5, 1986. 62

4. The following other specific comments are offered for clarification or revision.

a. Since the EPA has now issued their proposed Guidance, the 9th paragraph of 4.14.1.3 needs revision (Pg. 4-61 in the CRS EIS and pg. 4-60 in the ARS EIS). 63

b. In the Summary, the paragraph on Human Health (Pg. S-5 in the CRS, pg. S-4 in the ARS), in the fifth sentence, effects are said to occur at 1 $mW/cm^2$. This should be stated in terms of SAR. In fact, the ANSI rationale is that consistent effects are reported at SARs of 4 W/kg or higher. Also the next to last paragraph in this section (Pg. S-6 in CRS, pg. S-5 in ARS) needs to be rewritten in terms of SAR rather than $mW/cm^2$. 64

c. In 4.13.1.3, the power density at the exclusion fence is stated to be 0.02 $mW/cm^2$. The electric field associated with this power density is about 9 V/m, well below the perception threshold. This should be stated. 65

d. 9th paragraph of 4.14.2.1 (Pg. 4-71 in CRS, pg. 4-68 in ARS). The average power density is stated to be less than 0.1 $mW/cm^2$. This should read 0.02 $mW/cm^2$ to be in consonance with 4.13.1.3. 66

5. I'm sorry that I was unable to join your team in the recent public hearings in the Midwest. I was previously committed to GWEN scoping activities in Washington, DC. Please let us know if any specific questions were raised regarding RFR bioeffects. We would be pleased to respond as appropriate.

6. Let us know if we can help in any other way to complete the EIS process for the OTH-B systems.

4-43

John C. Mitchell

JOHN C. MITCHELL
Chief, Radiation Sciences Division

cc: ESD/DE
(Col. Kishiyama)

# OFFICE OF MANAGEMENT AND BUDGET

State Capitol • Bismarck, North Dakota 58505
Information – (701) 224-2680

18 Sep 86

September 8, 1986

Lt. V. G. Brown
HQ Electronics Systems Division/SLQ
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

Our office has reviewed the Environmental Impact Statement for the construction and operation of a Central Over-the-Horizon Backscatter Radar System.

We held a meeting with representatives from a number of state agencies including the State Health Department, Land Department, Highway Department, Parks and Recreation, Game and Fish Department and Job Service. During that meeting, we reviewed the EIS and discussed the potential for establishing a receive site at Blanchard, North Dakota.

We are also aware that the Lake Agassiz Planning Council also notified township officials, all mayors of towns and all county commissioners in Traill County regarding this proposed project.

We have identified no major concerns with the location of a receive site in Blanchard. The area is generally supportive of Blanchard being selected as a site particularly due to the job creation involved and the local labor needed to construct the site. An investment of this size would be a significant economic boost to the state, despite the permanent loss of some acreage.

Please let our office know if we can be of further assistance.

Sincerely,

Shirley R Dykshoorn

Shirley R. Dykshoorn
Director
Office of Intergovernmental Assistance

SRD:ld

Director - Fourth Floor - (701) 224-2680
Budget Office - Fourth Floor - (701) 224-2680
General Data Processing - Judicial Wing - (701) 224-3190
General Duplicating Services - Judicial Wing (701) 224-2772
General Personnel - Fourteenth Floor - (701) 224-3290
Intergovernmental Assistance - Fourteenth Floor - (701) 224-2094
Purchasing - Fourth Floor - (701) 224-2681
Records Management - Highway Building - (701) 224-3579
Surplus Property - 1811 Lee Avenue - (701) 224-2271

# NORTH DAKOTA STATE HIGHWAY DEPARTMENT

600 East Boulevard Avenue
Bismarck, North Dakota
58505-0700




George A. Sinner, Governor
Walter R. Hjelle, Commissioner
Ray Zink, Chief Engineer

September 11, 1986

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SEP 19 1986

Colonel James A. Lee
*HQ Electroanics System Division/SCO*
OTH-B Systems Program Office
ATTN: Lt. V.G. Brown
Hanscom AFB, MA 01731-5000

*DRAFT EIS FOR OTH-B RADAR PROGRAM*

Thank you for the opportunity to comment on the draft EIS for the above referenced project. After reviewing the document we do not believe there would be any significant impact to the State Highway System.

Since it appears that the Blanchard area is the preferred site in North Dakota, it should be pointed out that N. Dak. #200A and #18 have relatively light surfacing sections. Spring load restrictions are applied on both roadways and, therefore, any heavy hauling would have to occur either before or after that period of time. We tentatively have an asphalt overlay scheduled for N. Dak. #200A in 1987 and for N. Dak. #18 in 1989. 67

If you need any additional information or we can be of any further assistance, please contact our Department at any time.

Sincerely,

Walter Hjelle
Highway Commissioner

lkf

cc: Boyle
Botnen
Kahl

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OCT 6 1986

# Minnesota Pollution Control Agency

October 1, 1986

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

G5, G8

Dear Lt. Brown:

Subject: Over-the-Horizon Backscatter Central Radar System

The staff of the Minnesota Pollution Control Agency (MPCA) have reviewed the draft environmental impact statement (DEIS) on the above referenced project. We have concluded that the DEIS does not adequately address the impacts to surface water quality and the human health risk.

Surface Water Quality

The portions of the DEIS that deal with the soil erosion and the impacts on area surface water quality lack sufficient detail. References are made to estimates of the amount of cut and fill needed to prepare an acceptable radar site within each study area. Yet precise site locations are not identified. Preliminary or final grading plans are absent from the DEIS. Small streams or drainage ditches are to be routed through buried pipelines or relocated and small ponds and wetlands would be filled to prepare an acceptable radar site. Yet the DEIS does not show the locations within the study areas for these activities and does not detail how or which surface water bodies are to be altered. Retention basins are proposed as a mitigation measure against the effects of dissolved and suspended solids and nutrients. However, it does not describe the specifications for these basins. These ponds should be designed to remove fine to medium sand (0.1mm diameter) from suspension for at least a 10-year storm event and they should have a storage capacity for at least a 100-year storm event. Appropriate Minnesota water quality standards must not be violated when discharging to streams, rivers and lakes. 68

Human Health Risk Assessment

The portion of the DEIS that addresses the human health effects from radio frequency radiation (RFR) concludes that the highest average power density outside the exclusion fence would not exceed the 1982 American National Standards Institute (ANSI) radiation protection standard for the general population nor would it exceed the International Radiation Protection Association (IRPA) interim guidelines Both the ANSI and IRPA standards used the specific absorption rate (SAR) of 4 watts per Kilogram (W/kg) as a starting point. Then different uncertainty or safety factors were applied to

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arrive at the standards used in the DEIS. The ANSI standard is 0.4 W/kg and the IRPA guideline is 0.08 W/kg. The U. S. Environmental Protection Agency (EPA), in the July 30, 1986 Federal Register, Vol. 51, no. 146, Federal Radiation Protection Guidance: Proposed Alternatives for Controlling Public Exposure to Radiofrequency Radiation, confirmed that adverse effects begin at a SAR between 1-4 W/kg. The EPA report also proposed three regulatory SAR exposure limits for public comment. They are 0.4 W/kg, 0.08 W/kg and 0.04 W/kg. The difference between the EPA proposals is again the factor of uncertainty applied to a 4 W/kg SAR starting point. It was not made clear in the EPA report why 1 W/kg was not chosen as the starting point, since the onset of adverse effects can be as low a SAR as 1 W/kg.

The EPA report also listed several reasons why the application of an additional safety factor of 5 or 10 should be applied to the ANSI standard which would afford the public a factor of 50 to 100 below the onset of adverse effects. Uncertainty factors of 100 have most traditionally been applied which contain a tenfold factor to account for the uncertainties of extrapolating from high to low doses and a tenfold factor to account for interspecies differences, particularly due to the great genetic diversity and varying susceptibilities of humans. Another common practice is to assign one tenfold factor for occupational exposure and another tenfold factor for the general public. The difference being that the public lack of consent to and knowledge of the exposures and because of the greater diversity in the general population which contains a wider range of ages and more susceptible subgroups than does the working population. Both the National Council on Radiation Protection and Measurement and the International Radiation Protection Association concluded that a larger margin of safety should be applied to derive exposure limits for the general public. The EPA report cited several other reasons why a substantial uncertainty factor should be applied. They are as follows:

4-45

1) Biological effects data indicate that the larger the animal the lower the effective SAR required to produce many types of effects. An uncertainty factor should be used to account for the greater mass to humans.

2) Whole body average SAR does not address the existence of localized areas of increased energy deposition. The SAR within a specific body tissue can exceed the average by 100 times or more.

3) Very few controlled analytical epidemiological or clinical studies have been done on the effects of RFR.

4) Certain biological effects that seem to be nonthermal occur below the 1-4 W/kg range. Although there is no evidence to indicate whether and under what conditions these effects are adverse or persistent, prudence would dictate the use of a safety factor.

5) The SAR level at which adverse effects in laboratory animals occur depends on environmental conditions. Such effects on humans may also depend on environmental conditions but actual data are not presently available. A safety factor may serve to account for the influence of adverse environmental conditions.



6) The public health significance of biological effects at whole-body average SAR's lower than 1 W/kg is at present not well understood.

We realize that the DEIS states that the average power density at the exclusion fence will still be below the level of the even most conservative of the three EPA proposed exposure limits. However, the EPA has not made a final determination of an exposure limit. Should the EPA decide to use a SAR of 1 W/kg as the starting point as we stated earlier in this letter, and apply an uncertainty factor of 100, then the EPA power density limit would be 0.05 $mW/cm^2$. The average power density at outside the exclusion fence is to be less than 0.02 $mW/cm^2$ according to the DEIS. These two power density levels are very close. In addition, this does not take into account the peaking of power densities from the radar system which could use up the margin of safety that the exclusion area was to provide. 69

Based on this analysis and all the uncertainties involved, we believe that further analysis of the human health risk of the OTH-B Central Radar System is required.

We have requested further information from EPA Region III and Region VIII on the effects of radiofrequency radiation. After analysis of this information we may make further comment on the above referenced project.

Thank you for the opportunity to review the DEIS. Should you have any questions about this comment letter, please call Daniel Berg at (612) 296-7432.

Sincerely,

for Thomas J. Kalitowski
Executive Director

TJK:jw

cc: Ms. Debbie Economou
Mr. David Gray, Minnesota Department of Health
Mr. Paul Burns, Minnesota Department of Agriculture
Mr. Kenneth Wald, Minnesota Department of Natural Resources

Minnesota
Environmental Quality Board
100 Capitol Square Building
550 Cedar Street
St. Paul, Minnesota 55101
Phone _____

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OCT 06 1986

October 1, 1986

Lt. V. G. Brown
ESD/SCO
Hanscom Air Force Base, Maine 01731

RE: Draft Federal EIS for Central OTH Backscatter Radar

Dear Lt. Brown:

The staff of the Minnesota Environmental Quality Board (EQB) has reviewed the draft federal EIS for the proposed central over-the-horizon backscatter radar system and offers the following comments. Our comments are limited to procedural matters regarding possible state review requirements for this project if sites within Minnesota are selected. Minnesota's comments regarding the substance of the EIS are being supplied by other State agencies, whose staffs have technical expertise in analysis of environmental impacts.

70

As acknowledged in the EIS (Appendix D), the OTH-B system may require state-level environmental review under the Minnesota Environmental Policy Act. The specific requirements of the act are set forth in rules of the EQB, at Minnesota Rules pt. 4410.0200 to 4410.7800. Our review of the EIS indicates that state-level review may be necessary if sites are chosen where watercourses, wetlands, or forested areas would need to be altered. If required, state environmental review must be completed before any state or local permits or other approvals can be granted.

State-level review could consist of an Environmental Assessment Worksheet (EAW), a state EIS, or both. A state EIS is very similar to a federal EIS although in this case more site-specific detail than was supplied in the federal EIS would be necessary . While a state EIS is mandatory for some types of projects, it appears that an EIS is not mandatory for the OTH-B project. It does appear, however, that the project would require preparation of an EAW if certain sites are chosen. The purpose of the EAW would be to gather information from which a decision on the need for an EIS could be made. The preparation of the EAW and the decision on the need for an EIS would be assigned to some state or local unit of government because federal agencies can not be responsible under the state program. Another option would be for the Air Force and the state responsible unit of government to agree from the outset that a state EIS is needed; this option would eliminate the EAW process.

The Air Force would be responsible for providing much of the basic information used in either an EAW or EIS. An EAW process would likely require about three to four months to complete. If an EIS is necessary, about a year would be needed for that process.

AN EQUAL OPPORTUNITY EMPLOYER

4-46



I am enclosing material about the Minnesota environmental review process for your information. The EQB staff is availabl to discuss the state program with you and to provide guidance regarding how to meet its requirements in an efficient manner. The staff contact for the Environmental Review Program is Gregg Downing (612/296-8253).

Sincerely,

John C. Ditmore
Chairman

Enclosures

STATE OF MINNESOTA
DEPARTMENT OF NATURAL RESOURCES

BOX 500 LAFAYETTE ROAD • ST. PAUL, MINNESOTA • 55146

DNR INFORMATION
(612) 296-6157

October 3, 1986

Lt. V.G. Brown
ESD/SCO
Hanscom Air Force Base, Massachusetts 01731

RE: DRAFT EIS FOR CENTRAL RADAR SYSTEM, OTH BACKSCATHER RADAR PROGRAM

Dear Lt. Brown:

The Minnesota Department of Natural Resources (MDNR) has reviewed the Draft EIS for the Central Radar System, Over-the-Horizon (OTH) Backscatter Radar Program, and offers the following comments for your use in preparing the Final EIS.

The MDNR provided comments previously to the preparers of the DEIS, SRI International and Metcalf and Eddy, Inc. We provided information on the existing resources at each of the study areas, an evaluation of each, and a discussion of potential impacts which we felt should be addressed in the DEIS. It appears that the DEIS incorporates much of the information we provided and generally has addressed the potential impacts we identified at that time, although there are some aspects which we feel merit further development, and are discussed later.

One major new issue has come to our attention since we made our previous comments. This is the potential for adverse effects from radio frequency (electromagnetic) radiation (RFR). The MDNR is concerned that small mammals and birds within the exclusion fence will be exposed to RFR levels which may cause adverse biological effects. While the discussion of RFR effects in Chapter 4 is rather lengthly, it deals mostly with effects on humans and with RFR exposure levels found outside the exclusion fence. Only one small section (4.14.3.10) deals with small animals. This section gives specific absorption rates (SARs) for humans and three small mammals (dog, rabbit, mouse) inside the exclusion fence, but gives a permissible unrestricted exposure level only for humans; it is not indicated whether the SARs for small mammals exceed their permissible exposure levels. In addition, birds have an entirely different physiological make-up as compared to mammals, and no information is provided on SARs or permissible exposure levels for birds. Approximately four square miles will be seeded to grass cover at the transmitter site. This will attract many ground nesting birds, rodents and mammalian predators and raptors to the area within the exclusion fence. 71

4-47

AN EQUAL OPPORTUNITY EMPLOYER



72

There is also a separate, but related, concern that RFR may interfere with birds' ability to navigate and thus may affect migration and/or local flight patterns. The effects of RFR on small mammals and birds within the exclusion area as well as the effects of RFR on bird migration should be thoroughly addressed in the Final EIS. An authority who may be of assistance in this regard is Harrison Tordoff at the University of Minnesota Natural History Museum (612-624-4363).

Since the subject of RFR effects is a rather technical, complex one, we will not go into it further since it is somewhat outside of the expertise found in this agency. However, the Minnesota Pollution Control Agency (MPCA) will be submitting comments to you on this subject, and we will defer to their expertise on the matter, and concur with their conclusion that further analysis of RFR effects is needed in the Final EIS. 73

Specific Site Impacts

A serious deficiency of the DEIS is that the document does not identify where within the study areas the facilities would be sited; thus it is difficult to predict the specific impacts which the facilities may have on the environment, such as which streams, if any, will have to be diverted or piped through the site, how much wetland or forested wildlife habitat will be affected, etc. It would be helpful if one or two likely sites could be identified in each study area, and the impacts specific to each site discussed in detail.

Specific Comments

Additional comments and corrections on specific portions of the DEIS are provided below, referenced by page number. 74

p. S-3 — Regarding reversion of agricultural land to natural grasses, if native grass seed sources do not presently exist adjacent to the proposed site, natural revegetation by native prairie species is unlikely. Possible mitigation could include prairie restoration. This ultimately could result in a change in the species composition of birds - e.g., from blackbirds to prairie birds. If a restoration is attempted, steps should be taken to minimize bird collisions with the structures as necessary.

p. S-3 & 4 — Regarding bird collisions with the antenna, the comparison with other structures in the area is illogical since the antenna structures are totally different (very long and high, and screen-like) compared to other tall structures. They will present an obstacle which greatly increases the hazard of bird strikes. A question arises as to whether any of the proposed mitigative measures will be effective, and if not, then what will be done to resolve the problem.

75

p. 3-25 -- It should be noted that further survey of the study area could reveal additional occurrences of the species listed in the fifth paragraph. 76

p. 3-29,31 -- The discussion of the Central Flyway (Sec. 3.5.2.1) and Figure 3.1 indicate that western Minnesota including the sites proposed in Polk/Pennington and Traverse Counties are in the Central Flyway. However, western Minnesota is normally considered to be in the Mississippi Flyway, the boundary being the Minnesota-Dakota border (although there is some overlap in actual flight patterns). 77

p. 3-32 (Section 3.5.2.4) -- This is a misleading paragraph. The introductory sentence makes it seem that all species being discussed are non-migratory. This is not the case for any of the species listed. This section would be better if replaced by one on non-game birds in the area. 78

p. 3-34 -- The last sentence of the first paragraph should read "In rare occasions, the piping plover..." 79

p. 3-35 -- The following should be inserted after the first paragraph: 80

Other species identified by the Minnesota Natural Heritage Program as having potential occurrence near the study areas include:

Loggerhead Shrike (Lanius ludovicianus) State Threatened
Upland Sandpiper (Bartramia longicauda) State Special Concern
Forster's Tern (Sterna forsteri) State Special Concern
Short Eared Owl (Asio flammeus) State Special Concern
American Bittern (Botaurus lentiginosus) State Special Concern
Prairie Vole (Microtus ochrogaster) State Special Concern
Spotted Skunk (Spilogale putorius) State Special Concern
Western Hognose Snake (Heterodon nasicus) State Special Concern
Snapping Turtle (Chelydra serpentina) State Special Concern

p. 3-37 -- On the first line, the portion of the sentence following the comma should be changed to read "these birds are residents of the area, and are not just migrating through at high levels". 81

p. 4-13 -- In regard to the temporary wetlands mentioned in the third paragraph (last sentence), these may be an important migration stopover for shore birds, especially if there are no other wetlands nearby. 82

p. 4-25 -- Section 4.5.3 generally provides a good discussion of the potential problem of bird collisions with the struction. However, Section 4.5.3.3 notes that there is little experience with preventing bird collisions with extended structures such as the CRS arrays. Therefore, effective measures to reduce or prevent bird collisions may not be available. If such is the case, means for compensating for bird losses should be developed. 83





This concludes our comments on the Draft EIS. We hope they will be helpful in preparing the Final EIS. If you have any questions, please call Ken Wald of my staff at (612) 296-4790. Thank you for the opportunity to comment.

Sincerely,

Joseph M. Kurcinka, Supervisor
Environmental and Management Analysis Section

c: Earl Huber
Terry Lejcher
Brent Johnson
Cliff Anderson, PCA
Dick Tolbers, U.S. F&WS

United States Department of the Interior

RECEIVED OCT 16 1986

OFFICE OF THE SECRETARY
WASHINGTON, D.C. 20240

OCT 8

In Reply Refer To:
ER-86/1223

Lieutenant Virginia G. Brown
Department of the Air Force
OTH-B Environmental Planning Center
Over-the-Horizon Radar Systems Directorate
Headquarters Electronics Systems Division (AFSC)
Hanscom Air Force Base, Massachusetts 01731-5000

Dear Lieutenant Brown:

The Department of the Interior (DOI) has reviewed the draft environmental impact statement (DEIS) for the Central Radar System Over-the-Horizon Backscatter (OTH-B) Radar Program. We offer the following comments.

The U.S. Fish and Wildlife Service (FWS) reviewed and commented to you directly on a preliminary version of the DEIS. The DEIS addresses most of the concerns expressed during that review regarding potential impacts on fish and wildlife resources. However, there are two principal issues that should be given careful consideration as project planning continues. They are (1) avoiding or minimizing project-related impacts on high value fish and wildlife resources, and (2) identifying measures that would enhance fish and wildlife resources at the proposed radar installation sites.

The National Park Service (NPS) has also identified a potential conflict between a proposed National Natural Landmark (NNL) and the proposed OTH-B facilities.

Minimizing Impacts to High Value Fish and Wildlife Resources

There are numerous State and Federal wildlife lands or interests in western Minnesota and North and South Dakota. The Air Force should take all practical measures to minimize impacts to these areas. Any encroachment into these wildlife areas will require permits from the FWS and/or appropriate State resource agency.

The Dahlen, Goose River, and Galesburg study areas contain significant wildlife resources. These include large amounts of high value habitat (i.e., wetlands, riverine, prairie pothole wetlands, shrub drainageways, and riparian areas). Many of the prairie pothole wetlands in these study areas have been purchased in fee or by easement by DOI and are components of the National Wildlife Refuge System. Of those areas being considered for installation of the OTH-B, the Blanchard study area is environmentally preferable from the wildlife resource perspective because it contains minimal amounts of high wildlife resource habitat and would suffer the least impacts. The DOI's position on

84

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this issue was expressed to you on July 3, 1986, in a letter from the FWS District Office in Bismark, North Dakota.

Fish and Wildlife Resource Enhancement Measures

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Placement of the proposed OTH-B facility in this region provides the Air Force an excellent opportunity to enhance wildlife habitat. For example, the four fence-like antenna arrays that would be constructed at each of the transmit and receive sites would be 10,000 feet long. The enclosures proposed to create a one mile security buffer zone around these arrays would preclude intrusion by man and large animals. To the extent possible, the area within these enclosures should be managed as fish and wildlife habitat, especially for nesting waterfowl species. The Air Force should consult with the FWS and appropriate State wildlife agencies to obtain technical assistance in establishing such habitat.

Endangered Species

86

The DEIS adequately addresses potential impacts of the proposal on federally listed endangered and threatened species. However, if the Air Force later determines that the construction or operation of a specific radar facility may affect one of these species, consultation with FWS under the Endangered Species Act will be necessary. To assist you in making determinations regarding possible effects on endangered and threatened species, we have attached a summary of the federally listed species that could occur in the study areas in Minnesota.

Natural Landmarks

87

The project boundary of the Dahlen Study Area within the North Dakota north region contains the proposed NNL Dahlen Esker. The proposed site covers parts of Sections 5 and 6, T154N, R56W, Grand Forks County, North Dakota; Sections 31 and 32, T155N, R56W, and Sections 25 and 36, T155N, R57W, Walsh County. The final EIS should consider the potential effects of OTH-B facility siting on this esker. Any potential impacts should be fully mitigated to prevent unnecessary damage to the natural values of this proposed NNL.

In summary, DOI appreciates the efforts made by the Air Force during development of this proposal to take fish and wildlife resources into account. The Air Force should adopt all practical measures to mitigate the adverse impacts on fish and wildlife resources and, further, consider management techniques that would enhance those resources. The final EIS should consider potential impacts to the Dahlen Esker, a proposed NNL, and appropriate mitigation evaluated.

For further technical assistance regarding fish and wildlife mitigation and resource enhancement, please contact one of the following FWS field offices: (1) Minnesota, FTS 725-7131 or commercial (612) 725-7131; (2) North Dakota, FTS 783-4492 or commercial (701) 255-4011; (3) South Dakota, commercial (605) 224-8693. Information regarding the Dahlen Esker may be obtained from Ms. Carol A. Madison of NPS (FTS 776-8699, commercial (303) 236-8699).

Thank you for providing DOI the opportunity to comment.

Sincerely,

Bruce Blanchard, Director
Environmental Project Review

Enclosure



Attachment 1

INFORMATION ON FEDERALLY LISTED SPECIES WHICH MAY OCCUR WITHIN THE PROPOSED RADAR AREA IN MINNESOTA

To facilitate compliance with Section 7(c) of the Endangered Species Act, Federal agencies or their representatives are required to obtain information from the Service concerning any species, listed or proposed to be listed, which may be present in the area of the proposed action. Therefore, we are furnishing the following list of species which may occur within the proposed study areas (Polk, Pennington, and Traverse Counties) Minnesota:

| Common Name | Scientific Name | Classification | Distribution |
|---|---|---|---|
| Gray wolf | Canis lupus | Threatened | Peripheral range |
| Bald eagle | Haliaeetus leucocephalus | Threatened | Migratory range |
| Peregrine falcon | Falco peregrinus | Endangered | Migratory range |
| Piping plover | Charadrius melodus | Endangered | Migratory range |

Presently, there is no designated critical habitat for threatened or endangered species within Polk, Pennington or Traverse Counties, Minnesota.

Eastern Pennington and eastern Polk Counties are within the peripheral range of the gray wolf, a federally listed threatened species in Minnesota. However, because of the location (northwestern Polk and Pennington Counties) and type of activity proposed, project construction and operation at Site M-7 will not affect the gray wolf. Although the study area in Polk and Pennington Counties is not within the breeding range of the bald eagle, peregrine falcon or piping plover, these species occasionally pass through this area of the State during their spring and fall migration periods. As such, we cannot provide the same "will not affect" determination. However, it is the responsibility of the action agency to determine whether their activity "may affect" these listed species.

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90 W PLATO BOULEVARD
SAINT PAUL, MN 55107

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OCT 16 1986

**STATE OF MINNESOTA**
*DEPARTMENT OF AGRICULTURE*

October 2, 1986

HQ Electronics Systems Division/SCO
ATTN: Lieutenant V. G. Brown
Hanscom AFB, MA 01371

Re: Draft Environmental Impact Statement, Proposed Central Radar System, Over-The-Horizon Backscatter Radar System that would be located in the north central region of the United States.

Dear Lieutenant Brown:

The Minnesota Department of Agriculture has completed review of the above-referenced Draft Environmental Impact Statement (DEIS). Thank you for the opportunity to review this document. In general, we feel that the analysis of agricultural impacts is woefully inadequate.

To begin with, the document does not even clearly indicate the total range of possible amounts of land that could be taken up by a site. The document states "The transmit site and the receive site would each require a minimum of about 2,400 acres" (underline added). The document does not, and should, identify the maximum amount of land that may be needed for each site. I have heard from other sources that as much as 4,000 acres may be needed. 88

The document also makes no attempt to evaluate productive value of the farmland in each of the search areas. The document does identify what types of crops can be grown on the soils in the study areas, but does not evaluate productive capability of those soil. I suspect that such an evaluation would identify most of the search areas in Minnesota as having prime agricultural land, which is not what is implied by the descriptions on pages 3-4 and 3-5 of the DEIS. The Federal Farmland Protection Policy Act provides for a procedure to be followed, with the assistance of the USDA's Soil Conservation Service, to make an evaluation of relative farmland value for farmland considered for conversion by federal projects. While I know that the FPPA provides for an exemption for projects for national defense, the evaluation method provided in that law could still be used for purposes of the Environmental Impact Statement. I would urge you to follow these procedures and include the findings in the Final Environmental Impact Statement.

Most of my remaining comments have to do with the fact that impacts are being viewed only in broad, general terms on an areawide or countywide basis, such as the property tax issue, and not what a specific transmit or receive facility site would impact on the immediately surrounding area. For example, drainage and water quality impacts for a 2,400 to 4,000-acre site could vary dramatically depending upon where it is located within a study area. If these impacts are not identified early in the study area and siting process, their value to the siting process is drastically diminished. 89

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4-51



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While the DEIS does compare the "minimum" amount of land needed for each site with amounts of land converted for other purposes in each of the counties, indicates that there would be some income redistribution, and mentions that the property tax base lost to a particular township or school district would be more significant than to a county, these issues are dealt with only in the most general terms, and clearly do not adequately address the specific impacts on those individual townships and school districts, or on the economies of communities near the study areas. The document should identify individual townships and school districts and what the impact of having a facility sited entirely within that township and school district would have on that unit of government's ability to provide services. The document should also indicate what impact the reduction of this property tax base would have on other property taxpayers within those taxing jurisdictions. I am afraid that in some cases those impacts will be significant. The document should also specify how many of the estimated fifty civilian employees at each transmit and receive site would be hired from the local labor pool, as well as provide a better analysis of which local businesses would be winners and losers, and by what amounts.

As I've touched on earlier, the document fails to adequately assess the impact the project would have on the agricultural economy for an area. Section 4.8.4 on page 4-33 generally concludes that the amount of agricultural land which would be lost in the siting process is "negligible" for the region as a whole. This again fails to recognize the impacts that may be felt in the areas near a site. For example, the cumulative impacts of the loss of this agricultural land combined with the amounts of agricultural land normally being lost to other uses and being idled by the state and federal conservation reserve programs, should be identified in the DEIS. Agricultural support service businesses such as implement dealers, and feed and seed dealers would probably be particularly susceptible to adverse effects of the cumulative impacts of these events, and these effects should be examined by the DEIS.

I would urge you to include a more thorough evaluation of these agricultural issues in the Final Environmental Impact Statement. I am confident that these analyses, along with the impacts you have already identified in the Draft Environmental Impact Statement, will, and do show significant environmental and agricultural impacts for the site studies areas in Minnesota. Consequently, I would further urge you to reconsider siting either the transmit or receive facilities in any of the study areas located in Minnesota, and I would also suggest you reevaluate the need for this type of facility for this part of the country. 91

Yours truly,

MINNESOTA DEPARTMENT OF AGRICULTURE

James Nichols
Commissioner

cc: Governor Perpich
Marilyn Mathias
Paul Burns
Jerry Heil
Greg Downing - EQB
Dan Berg - PCA

# NORTH DAKOTA
# DEPARTMENT OF AGRICULTURE

Kent Jones
COMMISSIONER

October 17, 1986

G1, G6

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
ATTN: Lt. V. G. Brown
Hanscom AFB, Massachussetts 01731-5000

Dear Lieutenant Brown:

I am writing today on behalf of farmers who live near the proposed sites the Air Force has selected for the Over the Horizon-Backscatter Central Radar System in the north central United States.

While we appreciate the Air Force's potential investment in North Dakota, I wish to stress the importance of locating this system where it will least disrupt North Dakota's economic base--agriculture. I've had several calls, letters and even personal visits from farmers who feel the proposed sites would render useless nearly 2,500 acres of prime farm land. Although this may seem a small amount, especially in these times of surplus production, we have no guarantee that our bountiful production will last forever. If we take prime Red River Valley farm land out of production, we may live to regret it should we enter another period of drought, similar to what the southeastern U.S. experienced this past summer.

Some feel this receiver site will offer new jobs in North Dakota, but I understand the Air Force has not yet decided whether these employees will be civilians or military personnel.

At the very least, I ask that you grant these land owners another hearing on the matter. The Environmental Impact Statement was issued in the middle of our harvest season, when farmers hardly have time to read the local paper, let alone a 300-page Environmental Impact Statement full of technical jargon. At least give them a chance to absorb the potential effects of this project on their farm land and their livelihoods.

STATE CAPITOL BISMARCK, NORTH DAKOTA 58505 (701) 224-2231

4-52



Many of these families have owned the land in question for over a hundred years and are not interested in selling. In these difficult enconomic times, it's a remarkable achievement to retain family ownership of farm land, and a decision to utilize this for a receiving site should not be made lightly or hastily.

Thank you very much for your consideration.

Sincerely,

Kent Jones
Commissioner

KJ:jk

HUBERT H. HUMPHREY, III
ATTORNEY GENERAL

STATE OF MINNESOTA
OFFICE OF THE ATTORNEY GENERAL

ST. PAUL 55155

ADDRESS REPLY TO:
102 CAPITOL BUILDING
ST. PAUL, MN 55155
TELEPHONE (612) 296-6196

Received

October 27, 1986

G1, G2, G8

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Re: Over-the-Horizon Backscatter Central Radar System

Dear Lt. Brown:

I have received a number of letters from Minnesota residents expressing concerns and opposition to the Air Force's proposed Over-the-Horizon Backscatter (OTH-B) Radar System. The Air Force is considering several areas near Wheaton and Thief River Falls, Minnesota, and several areas in North Dakota and South Dakota as possible sites for installation of the Central OTH-B Radar System.

4-53

My staff has obtained a copy of the Draft Environmental Impact Statement and copies of the comments of the Minnesota Pollution Control Agency, the Minnesota Department of Agriculture, and the Minnesota Department of Natural Resources relating to this proposed project. I join with the state agencies and the Minnesotans who testified at the September 10 hearing in Wheaton and who provided written comments in urging the Air Force to study this proposal further before proceeding. Specifically, I believe the Air Force has failed to sufficiently analyze the possible health effects from the radio frequency radiation (RFR) that would occur from such an installation and has failed to adequately consider the impacts that use of large tracts of land for a radar base would have on the family farms and farmers in the area. I think the Air Force must investigate and consider these potential impacts in more detail before the Environmental Impact Statement can be considered complete and before the Air Force and other decisionmakers can decide how to proceed.

I am also of the view that the discussion of Alternatives in the Draft EIS is wholly inadequate. The No Action Alternative, for example, is dismissed in two sentences at page 2-28. Other possible alternatives are given equally short shrift. The Air Force must provide more information about these possible alternatives before an informed decision can be made.

In Appendix D to the Draft EIS, a list of significant environmental laws and regulations is provided. The Draft EIS, however, does not contain any discussion of how the Air Force will comply with the specific Minnesota laws that are cited





in Appendix D. The Air Force must address these Minnesota regulatory requirements in more detail before proceeding with any decisions regarding the radar system.

Also, one statute not cited in Appendix D that is an important part of Minnesota's environmental laws is the Minnesota Enviromental Rights Act, Minn. Stat. ch. 116B. That law essentially provides that no person may undertake an action that would adversely affect the environment unless the person can establish that there are no feasible and prudent alternatives to the action and the action is required for the promotion of the public health, safety, and welfare in light of the State's paramount concern for the protection of its environment. Again, I think the Air Force has not done an adequate job in evaluating the alternatives to the proposed OTH-B radar system and proposed sites.

In summary, I ask the Air Force to do two tasks regarding the proposed project. One, supplement the Draft EIS on the public health impacts and land use impacts and in other areas pointed out by other commenters. Two, keep my office advised on the Air Force's progress in this matter. I would appreciate being kept advised of any decisions made by the Air Force regarding whether to proceed with this project, regardless of location, and I particularly request prompt notice of any intent to apply for necessary governmental permits for the project. I have assigned Special Assistant Attorneys General Alan Mitchell of my Environmental Protection Division and Lee Paddock of my Public Law Section to monitor the Air Force's progress on this project, and I request that you forward all notices to Mr. Mitchell and Mr. Paddock. Their address is Attorney General's Office, 520 Lafayette Road, St. Paul, Minnesota 55155, telephone (612) 297-1075.

Thank you for your consideration of these comments and the other comments you receive from Minnesota. Thank you also in advance for keeping my staff advised of the Air Force's intentions in this matter.

Very truly yours,

HUBERT H. HUMPHREY, III
Attorney General
State of Minnesota

NORTH DAKOTA
STATE DEPARTMENT OF HEALTH
State Capitol
Bismarck, North Dakota 58505

ENVIRONMENTAL HEALTH SECTION

1200 Missouri Avenue
Box 5520
Bismarck, North Dakota 58502-5520

October 29, 1986

RECEIVED
NOV 05 1986

Lt. V. G. Brown
ESD/SCO
Hanscom Air Force Base, MA 01731

Dear Lieutenant Brown:

The North Dakota State Department of Health has reviewed the draft Environmental Impact Statement (EIS) for the Central Radar System (CRS) Over-the-Horizon Backscatter (OTH-B) Radar Program. We offer the following comments regarding the proposed project and the associated draft EIS:

(1) Construction activities associated with the project in North Dakota should be carried out in accordance with the "North Dakota Statewide Water Quality Management Plan--Nonpoint Source Plan" dated March 1979. The applicable procedures outlined in "Section IV. Best Management Practices" of the Plan should be incorporated into construction plans to minimize wind erosion and water erosion. A copy of the plan is attached. 92

(2) All water supply systems and wastewater treatment facilities associated with the project in North Dakota must comply with applicable state regulations. The Division of Water Supply & Pollution Control of the North Dakota State Department of Health should be contacted regarding the specific requirements for these aspects of the project.

(3) On page 3-39 under section 3-6 Air Quality, 3.6.2 Air Quality Conditions, 3.6.2.1 North Dakota, the fourth sentence of the second paragraph which reads "These processing plants, which use fuel oil or natural gas, are not large enough to require permits or other regulation." is not correct. The Hillsboro plant burns coal and is permitted as are other sources in the Grand Forks and Fargo, North Dakota areas. Additionally, the State of North Dakota has extensive data on emission inventories for this part of the state. The data does confirm there is no significant air pollution problem in the area. 93

(4) Construction of the proposed radar system is scheduled to last a fairly long period of time (around 3 to 5 years). Since substantial clearing and grading of land may take place, construction noise is a concern. To minimize the effects of construction noise upon people near the construction area, it is suggested that the following actions be undertaken: 92

4-54

Environmental Enforcement 701-224-2334 | Environmental Engineering 701-224-2348 | Environmental Sanitation 701-224-2362 | Hazardous Waste Management & Special Studies 701-224-2368 | Water Supply & Pollution Control 701-224-2354



a. Construction activities should not begin before 7:00 a.m. and should end before 9:00 p.m. It might be desirable to try to limit construction to weekdays.

b. Construction equipment should be equipped and maintained so as not to make excessive noise. It is suggested that the 1975 General Services Administration construction equipment noise limits be used on this project. 92

c. Trucks and other construction equipment traveling regularly to and from the project sites should travel along routes that are as far away as possible from houses, apartments, mobile homes, other places where people live, schools, wilderness areas, and national wildlife refuges.

If you have any questions concerning our comments or wish to discuss them in further detail, please do not hesitate to contact us.

Sincerely,

Gene A. Christianson

Gene A. Christianson, Chief
Environmental Health Section

GAC/CDR:lrr
Enc.
cc: Janis Cheney, Governor's Office

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LIEUTENANT V. G. BROWN
HQ ELECTRONIC SYS DIV/SCO
HANSCOM AFB MA 01371

RECEIVED NOV 07 1986

RE DEIS PROPOSED CENTRAL OTH-B RADAR SYSTEM.

SOUTH DAKOTA STATE GOVERNMENT HAS COMPLETED ITS REVIEW OF THE ABOVE REFERENCED DEIS AND HAS NO ADVERSE COMMENT OR OBJECTION TO FURTHER STUDY OF THE AMHERST AREA FOR POSSIBLE SELECTION AS A TRANMIT SITE.
GOVERNOR WILLIAM J. JANKLOW
STATE OF SOUTH DAKOTA

17:00 EST

MGMCOMP

4-55

TO REPLY BY MAILGRAM MESSAGE, SEE REVERSE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
ONE DENVER PLACE — 999 18TH STREET — SUITE 1300
DENVER, COLORADO 80202-2413

OCT 31 1986

RECEIVED NOV 07 1986

Ref: 8PM-EA

Lt. V.G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Lt. Brown:

In accordance with our responsibilities under Section 309 of the Clean Air Act and the National Environmental Policy Act (NEPA), the Environmental Protection Agency (EPA) has reviewed the Proposed Central Radar System Over-the-Horizon Backscatter Radar Program Draft Environmental Impact Statement (DEIS). The proposed study areas for various portions of the system fall under the environmental jurisdiction of two Regional Offices, Region V (Chicago), and Region VIII (Denver), of the EPA. In addition, the EPA Environmental Monitoring Systems Laboratory in Las Vegas, Nevada, has provided comments on RFR concerns. The Region VIII office has prepared a joint response and rating. Our detailed comments follow for your consideration in preparation of the Final Environmental Impact Statement (FEIS).

The EPA Office of Radiation, Las Vegas Facility has provided review regarding the health effects of exposure to low levels of radio frequency radiation (RFR). Based a their review of design calculations to achieve the primary system function of surveillance and tracking and the proposed physical buffer zones at the transmit facilities, they have not identified any potential RFR health impacts which would require design changes. However, since design calculations for a safe electromagnetic environment are not always matched by measured field intensities, EPA will be interested in reviewing results of power density measurements once the system becomes operational. 94

We encourage the research that is being done regarding the potential for low levels of radiation to ignite electroexplosive devices. The FEIS should discuss whether the use of electroexplosive devices is common in the study areas. It should also identify any specific locations where the proposed facility may cause significant interference with radio or television broadcasts.

The DEIS provides discussion that wetlands will be impacted to varying degrees depending on which sites are selected. We suggest that an inventory showing location, size, and type be conducted on-site as well as for any off-site wetlands which might be affected by construction or operational activities. This inventory can then be used to mitigate those wetlands which will be filled to accomodate construction of the antenna arrays, roads, and other land-use changes associated with the project. It can also be used to identify any changes in function of existing wetlands. In addition, erosion and sedimentation controls during construction should be strictly enforced. The FEIS should indicate that EPA will be given the opportunity to review the selected sites in order to confirm that adverse impacts are minimized. 95

EPA recommends the FEIS contain further discussion and a committment to implement methods to minimize bird impingement on antenna arrays and for continuing coordination with the U.S. Fish and Wildlife Service and appropriate State resource agencies. 96

We are assigning a rating of LO, Lack of Objection, to the DEIS proposed action. This means that EPA review has not identified any potential environmental impacts requiring substantive changes to the the proposal. In the event that detailed analysis of selected sites reveals additional environmental impacts EPA will be available to work with the United States Air Force to reduce these impacts.

If you have any questions regarding our comments please contact Paul Wagner in Las Vegas at (702) 798-2440 or FTS 545-2424, Tom Nowicki in Chicago at (312) 353-2000 or FTS 886-4244 or Mike Hammer of my staff at (303) 293-1716 or FTS 564-1716.

Sincerely,

Robert R. DeSpain

Robert R. DeSpain, Chief
Environmental Assessment Branch

cc: William Dickerson, A-104 (OFA)
William D. Franz, Chief, ERB Region V
Paul Wagner, Office of Radiation, Las Vegas
Kerry Clough, ARA 8PM

4-56

STATE OF MINNESOTA
DEPARTMENT OF NATURAL RESOURCES

BOX 500 LAFAYETTE ROAD • ST. PAUL, MINNESOTA • 55146

DNR INFORMATION
(612) 296-6157

RECEIVED 05 DEC 86

November 18, 1986

Lieutenant V. G. Brown
ESC/SCO
Hanscom Air Force Base
Massachusetts 07731

RE: Draft EIS for Central Radar System, OTH Backscatter Radar Program

Dear Lt. Brown:

The Minnesota Department of Natural Resources (MDNR) hereby provides some additional comments on the Draft EIS for the OTH Backscatter Radar System. We commented previously on this project in a letter dated October 3, 1986. One of our comments in that letter was a concern that bird collisions with the proposed antennas could be a significant problem. As the Draft EIS states (section 4.5.3.3), there is little experience in preventing bird collisions with the type of structure proposed in this project.

One of our biologists, John Schladweiler, Nongame Specialist in New Ulm, has a proposal which may help alleviate the problem. Mr. Schladweiler has had experience in dealing with bird collision problems involving various towers and power lines, and is familiar with the literature on the subject. He has some observational data which suggests that white flashing strobe lights may be the most effective way to reduce bird collisions with tall structures. Although white strobe lights are relatively new and we know of no studies that have looked at their effectiveness, Mr. Schladweiler's evidence supports their use. 97

He has observed two sets of towers, each having a very tall (approx. 1200 foot) tower and a much lower (5-600 foot) tower within about 200 yards of each other. The taller towers are lit by white flashing strobe lights, while the shorter towers utilize red flashing lights. Observations have shown that the number of bird carcasses found under the taller strobe-lit towers was much less than the number found under the shorter towers lit with red lights. This, of course, is just the opposite of what would be expected based on tower height (taller structures usually cause more kills).

Based on this information, MDNR is proposing that if the radar system is built, the Air Force try lighting half the length of each antenna with white strobes and half with flashing red lights. This would provide an excellent way of evaluating which method is more effective in preventing bird collisions. If it is then confirmed that the strobe lights afford better protection, the red lights could be replaced with strobes.

Since bird collisions with the antennas may be one of the most significant impacts associated with the proposal, we believe that the reduction in bird losses which could result from this experiment would be well worth the additional cost it may entail. In addition, it is our understanding that environmental review regulations of the Council on Environmental Quality (CEQ) require the reviewing agency (Air Force) to consider all reasonable alternatives for minimizing environmental impacts, and to propose "appropriate" mitigation for all unavoidable impacts. This proposal for reducing bird collisions would help to meet these requirements.

I hope this information is helpful to you. If you have any questions, please call Ken Wald of my staff at (612) 296-4790.

Sincerely,

Joseph M. Kurcinka, Supervisor
Environmental and Management Analysis Section

cc: Earl Huber
Carrol Henderson
John Schladweiler

kw9/MISC2

97

4-57

RURAL COALITION

RECEIVED 15 Dec 86

December 5, 1986

Colonel James Lee
OTH-B Systems Program Office
HQ Electronic Systems Division
Hanscom AFB, MA 01731

Dear Colonel Lee:

I work with the Rural Coalition in Washington D.C., aiding those in rural America that are affected in some way by the military's use of their land/airspace or areas located nearby their homes and communities.

I have been notified of the existance and have read various things about the new radar defense system known as the 'over-the-horizon/backscatter radar system'.

I would like to know about each of the locations siting the OTH-B radar systems, both installed and proposed. I'd also like copies of each of the environmental impact statements prepared to study the impacts of these systems. Any other materials you have that explain this systems would also be helpful.

I hope to be hearing from you very soon. Thank you --

Sincerely,

Jodi Schwartz
Program Associate

2001 S Street, NW, Suite 500 Washington, DC 20009/(202) 483 1500

### 4.2.2 North Dakota

Letters were received from:

William A. Schwalm, Grand Forks, ND
Ronald and Gloria Porter, Grandin, ND
Winten A. Gunderson, Park River, ND
Orville W. Overmoe, Chairman, Traill County Social Service Board, Hillsboro, ND
Mrs. Wallace Hertwig
Herbert D. Welte, Jr., Aneta, ND
Lloyd Tofte, Wahpeton, ND
Tom Knudsen, Agricultural Manager, Minn-Dak Farmers Cooperative, Wahpeton, ND
Linda Ulland, Fargo, ND
Gilman Wastvedt, Vice Chairman, Traill County Board of Commissioners, Hillsboro, ND
Walter and LaVonne Kozajed
Daryl M. Barron, Grandin, ND
Liz McSparron, Grandin, ND
Eldon and Elaine Saunders, Hunter, ND
Everett D. Christianson, Cummings, ND
Gene and Daphne Porter, Grandin, ND
Mr. & Mrs. Henry Schlichtmann, Hillsboro, ND
Dale and Erma Peterson, Hunter, ND
Dean Ecker, Grandin, ND
Gerald J. Radebaugh, Grandin, ND
Loren E. Radebaugh, Grandin, ND
Dunbar and Mildred McSparron, Grandin, ND
Jon McSparron, Grandin, ND
Kenneth and Dorothy Halvorson, Hillsboro, ND
Doug Tate, Grandin, ND
Clarice Sherritt
Brett A. Radebaugh, Grandin, ND
Dennis and Geraldine Peterson, Grandin, ND
Otto Bertsch, Hillsboro, ND
Mr. & Mrs. Bruce Thorsrud, Grandin, ND
Grace and Glenn Porter, Grandin, ND
Joel and Bonnie Halvorson, Galesburg, ND
Annello Thompson, Blanchard, ND
Mr. & Mrs. Arnold Knudson, Hillsboro, ND
Harold Stokke, Grandin, ND
Leon Bertsch, Hillsboro, ND
Gary and Glenda Smith, Cummings, ND
Pearl Bertsch, Hillsboro, ND
Francis and Liz Kritzberger, Hillsboro, ND
Patricia Bertsch, Hillsboro, ND
Harold W. Weible, Minneapolis, MN
Dan Nilles, Blanchard, ND
Mr. & Mrs. Ralph Thompson, Blanchard, ND
Mrs. Duane Smart, Hillsboro, ND

John Tate, Hunter, ND
Mrs. John Tate, Hunter, ND
Morris and Kathleen Melander, Hunter, ND
Dennis and Geraldine Peterson
Harry C. Hershey, Columbus, OH
Bev Ulland, Fargo, ND
Bessie Ulland, Mayville, ND
Vernon and Mavis Johnson, and James and Debra Knecht, Hillsboro, ND
David Eblen, Hillsboro, ND
Ronald and Gloria Porter, Grandin, ND
Fanny B. Peterson, Larimore, ND
Geneva A. Keane, Fargo, ND
Ken Beckman, Mayville, ND
Joseph J. Nilles, Blanchard, ND
Daniel Nilles, Blanchard, ND
Dennis Nilles, Hillsboro, Nd
William P. Motter, Hunter, ND
Patricia J. Motter, Hunter, ND
Duane and Evon Nelson, Hillsboro, ND
Connie Tate, Hunter, ND
Mr. & Mrs. Gene Porter, Grandin, ND
Roger F. Carpenter, Hunter, ND
Dale and Erma Peterson, Hunter, ND
Dennis and Geraldine Peterson, Grandin, ND
Joel C. Porter, Grandin, ND
Ed and Mae Tate, Grandin, ND
Robin and Loren Radebaugh, Grandin, ND
Larry R. Thompson, Hillsboro, ND
Lillian John, Hillsboro, ND
Larry Nelson, Hunter, ND
Doug Tate, Grandin, ND
Fred John, Orange, CA
Gary and Glenda Smith, Cummings, ND
Winnifred Jane Kopanger, Hillsboro, ND
David J. Holter, Chairman, Traill County Water Resource Board, Hillsboro, ND
Richard Keller, Fargo, ND
Keith Brown, Kansas City, MO
John Tate
Scott Thompson, Fargo, ND
Mrs. Junelle Moen, Galesburg, ND
Dale A. Thompson, Rugby, ND
Stanley M. Moore, Jamestown, ND
Ruth Rust, Clerk, Hillsboro Public Schools, Hillsboro, ND
Joel Berkas, Mounds View, MN
Elaine Thompson, Clifford, ND
Kenneth Ewertz, Chairperson, Board of Education, Dakota Public School District No. 3, Hunter, ND
Walter Kozajed, Gloria Porter, William Motter, Dean Ecker, and John Porter

Otto Bertsch, Hillsboro, ND
Mrs. W. Hertwig, Blanchard, ND
Wayne and Virginia Satrom, Galesburg, ND
Fred Schumacher, Kindred, ND
Jim Killingbeck, Bismarck, ND
Arthur G. Bilden, Mayor, Northwood, ND
Fanny Welte, Aneta, ND
Leslie O. Hesvig, LaMoure, ND
James Brekke, City Auditor, Hillsboro, ND
Emelie (Berkas) Femrite, Bloomington, MN
Arden N. Grundvig, Grand Forks, ND
Hal Habermann, Superintendent, Dakota Public School District No.3, Hunter, ND
John Thomas Kinney, Livingston, NJ
Duane L. Otto, Langdon, ND
Ronald Porter, Grandin, ND
Isabelle Nehring, Fort Fairfield, ME
Wes and Luella Reisenburg, Hope, ND
Ardie Thorson, Page, ND
Malcolm S. Tweten, Senator, Buxton, ND
John J. Mullen, Councilman, McVille City Council, McVille, ND
Miles Lund, Chairman, Steele County Board of Commissioners, Finley, ND
Bernice Porter
Gloria Porter, Grandin, ND
Mr. & Mrs. John Motter, Hope, ND
Keith Seaver, Portland, ND
Curtis O. Twete, McVille, ND
Tom Ensrud, McVille, ND

# The University of North Dakota

GRAND FORKS 58201

DEPARTMENT OF PHYSICS


RECEIVED
28 Aug 86

HQ Electronic Systems Division/SCO
ATTN: LT. V. G. Brown
Hanscom AFB, MA 01371

August 18, 1986

Lt. Brown:

Thank you for the draft Environmental Impact Statement for the OTH-B Radar System. However, if you check your notes I think you will find I specifically requested technical information on the theory of operation--as much as is unclassified--and some discussion of such points as the apparent vulnerability of OTH-B to direct attack. I can see that some of this is dealt with in the EIS, but not very much. If possible, I would very much appreciate any other information you could send at this time. Enclosed is a description of the nuclear weapons course I teach at the University of North Dakota. I provide this as an explanation for wanting to know this information.

Best wishes,

William A. Schwalm

William A. Schwalm
Assoc. Prof. Physics

93

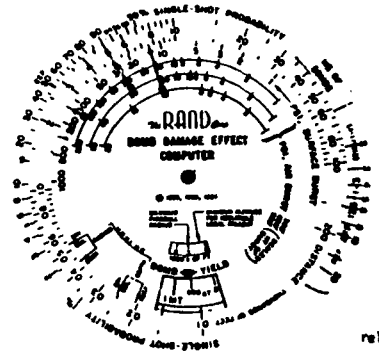
4-61


BUY NORTH DAKOTA PRODUCTS


COURSE OPTION FOR FALL SEMESTER 1986

UND CENTER FOR PEACE STUDIES

# Nuclear Weapons



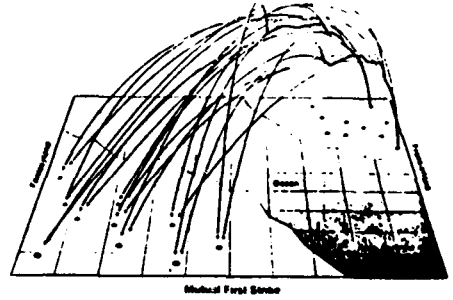

ARTS AND SCIENCES 250 FALL 1986 UND
3 credits, no prerequisits, Bill Schwalm
Physics Department (call number = 28312)
The course was mistakenly unlisted. Rats

TUES. THURS. 2:00-3:20 Leonard Hall 100

OBJECTIVES:

There will be several objectives, including the following: 1) to look at the basic processes of nuclear reactions and nuclear explosions, 2) to learn about the history of the Manhatten project and of the arms race--only the physical facts, 3) to understand the characteristics of weapons systems, with many particular weapons chosen as examples from both the US and the Soviet arsenals, 4) to understand the relationship between the physical capabilities of the weapons and their envisioned use, 5) to see how the strategic factors thus defined influence arms control policy, 6) to look at the current force balance, and to identify the delicate factors influencing its stability.

The course is organized around a new text on nuclear weapons by Dietrich Schroeer. Syllabus available for inspection at Physics office.



Course grade to be determined by objective quizzes and interesting homework relating to assigned readings together with in-class exercises (for example, some practice in using the bomb effects computer shown). Readings to come from text, and from a number of papers such as

1. Missile Submarines and National Security
2. Preemptive Nuclear Attack, Bunn & Tsipis
3. Space-Based Nuclear-Missile Defense (SDI)
4. Launch under Attack, by John Steinbruner
5. Enhanced-Radiation Weapons, Fred Kaplan
6. "No First Use" of Nuclear Weapons, Lee
7. Precision-Guided Weapons, Paul F. Walker

Class time will be spent 40% on lectures on the physical properties of existing weapons, and on force configuration and strategies. other aspects, such as arms control negotiations, will be introduced in this context.

**Salt II—terms of the treaty**

- A ceiling of 2400 on the aggregate number of strategic nuclear delivery vehicles, to be lowered to 2250 by 1982
- A total of 1320 on launchers of ballistic missiles equipped with multiple, independently targetable reentry vehicles (MIRVs) and on heavy bombers equipped for long-range cruise missiles
- A sub-ceiling of 1200 on the number of MIRV'd ballistic missiles, above
- A ceiling of 820 on MIRV'd, land-based intercontinental ballistic missile (ICBM) launchers
- A prohibition against any increase in the number of reentry vehicles (RVs) carried by existing types of ICBMs. The number of warheads on existing type of ICBMs will be frozen at the maximum with which that missile type has been tested. New types of ICBMs will be limited to 10 RVs and new types of SLBMs to 14
- A ban on the construction of additional fixed ICBM launchers and on any increase in the number of heavy ICBM launchers, defined as those larger than the Soviet SS-19 missile
- A restriction to one new type of ICBM during the lifetime of the Treaty
- A ban on certain new types of strategic offensive systems such as ballistic missiles on surface ships
- A ban on the development of the Soviet SS-16 missile for the Treaty's duration
- An exchange of data on the weapons systems that are limited by the Treaty

Comments on the Central OTH-B Radar System

G1

Ronald & Donna Porter
RR 1 Box 63
Brandon, N. Dak. 58218
Sept 15, 1986

RECEIVED
SEP 18 1986

Dear Lt. Brown & Col. Lee,

I request that you extend the comment period for the Draft Environmental Impact Statement for the Central Over the Horizon Backscatter Radar Program from Oct 6 to Dec 1, 1986.

As a landowner and farmer in Johnsack township, Traill Co., parts of the Blanchard Study Area, we feel we were not properly informed as to site area location, SCOPE meetings and hearing date.

The locations of the meetings in Fargo and Grand Forks was unfair to the people in our area. Also Sept 9 was primary election in Minn., apparently disregarded.

At the "SCOPE" meetings in Fargo Feb 26 we were told there would be more local meetings in July - Sept. There were none in our area. However we are aware that a meeting was held June 12th in Wheaton, Minn. We think all areas should have had meetings in there area - ours in Hillsboro at the National Guard Armory.

From Feb 26 until Aug 18 when we recieved the DEIS book we awaited the date of our local information-hearing. No word until about Aug 31 when we received your letter, Col Lee, informing us of the hearings in Grand Forks Sept 9 and the comment period deadline of Oct. 6, 1986.

As citizens we feel you have not given us a chance to properly read the DEIS and address our questions and comments. We ask for a local meeting and a extension to Dec 1, 1986 of the comment period.

Sincerely,
Ronald & Donna Porter

4-62

POLAR COMMUNICATIONS
MUTUAL AID CORPORATION
P.O. BOX 270
PARK RIVER, NORTH DAKOTA 58270
PHONE 701-284 7221

September 10, 1986

RECEIVED
SEP 18

Lt. V. G. Brown
ESD/SCO
Hanscom Air Force Base
Massachusettes 01731-5000

Subject: (OTH-B) North Central Region

Re: DEIS

Dear Sirs:

I have reviewed the Draft Environmental Impact Statement (DEIS) and I find no mention of how buried utility facilities, i.e., telephone cable, electric power lines, gas lines, water lines, etc., will be treated. Throughout all proposed sites there exists all of the above mentioned facilities, with more to be added. 99

It would seem to me that this subject should be addressed because of the impact this might have on total costs of the system. I would expect that monies will be included in the appropriations bill for relocating such facilities.

In 99% of all cases, these facilities have been placed on private right-of-way at considerable expense. Further, considerable amount of time, effort and engineering will have to be expended in order to relocate these facilities.

I request that information be forwarded to me as to what action is contemplated and that a statement be added in the final EIS, so that any one reviewing it will be made aware of the buried utility facilities, and as the plans for the proposed north central site progresses that ample time is allocated for relocating purposes.

Thank you.

Sincerely,

Winten A. Gunderson
General Manager

jt

[illegible]

**TRAILL COUNTY SOCIAL SERVICE BOARD**

HILLSBORO NORTH DAKOTA 58045
TELEPHONE (701) 436 5220

ADDRESS REPLY TO
COUNTY DIRECTOR

September 17, 1986

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attention: Col. James A. Lee
Hanscom AFB, MA 01731-5000

G1, G4, G5, G6, G7, G8, G9

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attention: Lt. V. C. Brown
Hanscom AFB, MA 01731-5000

RE: Central Radar System

Gentlemen:

The Traill County Social Service Board hereby voices their objection to the proposed location of the Central Radar System project in Traill County.

1. There is no reliable data available concerning the health hazards of such a system.
2. The land to be used for the system would cause a large loss of tax base for the County, townships and school districts.
3. The construction of the system will cause numerous drainage and water problems in the area.
4. Prime family farmland will be destroyed by the construction of this system.
5. The system will lower the value of adjoining land and buildings.
6. There will be a negative impact on the county and township roads during the three to five year construction period. There could be heavy maintenance problems on said roads after construction.
7. There is no lasting benefit to the local economy after construction of the system.
8. After twenty (20) years the system site could be decommissioned and used for any military purpose.
9. Local communications such as radio, television, business and citizen band radios in the immediate area of the system could be unreliable.

The Traill County Social Service Board took all these factors into consideration in opposing the location of the Central Radar System within Traill County.

The Traill County Social Service Board requests the following items:

1. That the current period for the draft environmental impact statement for the proposed Central Radar System be extended from October 6, 1986, to December 1, 1986.
2. That another hearing be held for the Galesburg and Blanchard study areas at the Hillsboro National Guard Armory.

Thank you for your consideration in this matter.

Sincerely,

Orville W. Overmoe
Chairman

4-63

[illegible]

Dear;

I must write immediately! I have just read repetitive columns in the local papers and I Am Angry.

We have a petition in our place of business, put there by Dakotans under the direction of Porters, to be signed by the negatives. It infuriates me when I read the things they say "could" happen. I come from a farm heritage - was born & raised on a farm in Grenfield twp. My husband is a self-employed mechanic (35 + yrs) in Blanchard and farmed prior to that. Our living and likely head comes from repairing cars, trucks, tractors, combines & whatever, but progress must go on -

Our Traill Co. commissioners are one living in Galesburg & Arizona retired farmer - one retired implement dealer in Hillsboro, one retired college professor Mayville - another a retired grain elevator in South - etc. Can't they see the benefits of what could be gained instead of what could be against? They have no facts or statistics. The points to keep before signing their petition are cited like statements.

These people are our friends and some are our customers - but I disagree wholeheartedly and many more do too.

I have faith that if this "Elevachard" site is chosen, as I firmly believe, has already been designated, as the place - it is the most favorable site and it is a project being done for our future welfare. It must go somewhere why not the best place?

Thank you for letting me run off at the mouth (pencil) -

Sincerely,
Mr. Mrs. [illegible]



[illegible] April 17, 1986

Dear Sir,

I want you to know just how angry I am about the proposed OTH-B System. I am a land owner in the Goose River Survey Area, and I want the Airforce to know I will not Co-operate, in any way, from now on Regarding anything to do with the Missile or this proposed System. We do happen to have a Missile Sight ¼ mile from our home and prior to this I have tried to Co-operate, but no longer I consider myself a patriotic American but I am strongly opposed to further aquisition of land by the Airforce for any reason. There is decommissioned Units (Radar) in our state, and now we must put up with a proposed system for a prospective 20 year period. This does not make sense. North Dakota has already done its part by allowing the Air Force as well as the Missiles to take agricultural land out of production. Now you are considering removing 2400 acres in a study Area. The impact on the tax Base of a Townships would be

devistating for any Township. I am afraid that spending 600 million for a system devised South is just another Boondoggle imposed on the Taxpayers. If our air bases do not have radar to detect incoming planes at the present time, we are just fooling ourselves that a system of this nature will further improve the protection for the dollars spent.

I do not understand why the Air Force has limited comments to Hanscom Air Force Base in Massachusetts. Could it be that that is far enough away to discourage writing to express our feeling? I am also wondering why so few public hearings were held here in the area impacted by the proposed system.

I am completely opposed to the system as it would impact our wildlife as well as our agricultural Base, and will do my utmost to prevent it.

Sincerely,

Hubert D. Wells Jr.
RR#1 Cavalier, ND 58212



**MESSAGE/REPLY**

REVISED 1473 TRIP.

TO
Lt. VG. Brown
ESD/SCO Hanscom AFB
Hanscom AFB, Mass 01731

FROM
Lloyd Tofte
1409 N 14TH Street
Wahpeton, ND 58075

SUBJECT OTHB Radar System

DATE 9/16/86

**MESSAGE** I appreciate your work in setting up an Over the Horizon Backscatter Radar Program. It is important for national defense. For 13 years I lived in Edgeley, ND which is 19 miles from the Coast Guard OMEGA Transmitter at La Moure, ND. At that time I taught Physics at Edgeley High School and brought each year's students to see the site. The fears that people had about the installation never materialized. Thanks again.

SIGNED Lloyd Tofte

**REPLY**

SIGNED

DATE / /

SEND PARTS 1 AND 3 WITH CARBON INTACT. PART 3 WILL BE RETURNED WITH REPLY

HANSCOM 02458

Minn-Dak Farmers Cooperative
ROUTE 1 BOX 10 WAHPETON, NORTH DAKOTA 58075-9705
TELEPHONE (701) 642 8411

RECEIVED
SEP 24 1986

September 9, 1986

G7

TO Whom It May Concern:

It has been brought to my attention that the United States Air Force is considering a large scale radar installation just west of Charlesville, Minnesota.

Minn-Dak Farmers Cooperative, a Wahpeton, North Dakota based sugarbeet processing factility, operates a satellite receiving station in the Southeast Quarter, Section 25, Tintah Township, three (3) miles East of the proposed site.

Due to the perishable nature of sugarbeets, proximity (within 15 miles) to a receiving station is not only advantageous but a necessary requirement to reduce harvest risks by decreasing travel time from field to receiving station.

Weather patterns, soil characteristics, potential acre density, and available truck routes are all considered when determining a receiving station location. The receiving station at Charlesville meets all criteria and has been in operation since 1974. Minn-Dak Farmers Cooperative has made a long term committment to serve the sugarbeet growers in the Charlesville area and the growers have made long term committments to produce sugarbeets, a heavily capitalized, very specialized crop.

Currently, 2,000 acres of sugarbeets are being grown within the confines of the proposed site. This represents 25% of the total acreage that is committed to the Charlesville receiving station. Loss of this portion of the growing region could not be made up through land substitution due to hauling logistics and would force the affected growers out of business.

Another 1,250 acres currently utilize County Roads 18 and 99 to deliver this perishable crop to the Charlesville station, but are currently outside (West) of the proposed site. This tonnage (20,000 tons) would have to be diverted to alternate routes increasing harvest time, harvest risks and associated traffic hazards.

4-66



Presently, 75% of the sugarbeet acreage can be found within ten (10) miles of Charlesville. Removal of the strategically located acreage under consideration would have an irreversibly devastating effect on area growers and the Cooperative. As such, we feel an alternative site, which does have the unique, distinctive characteristics of the Charlesville site, would better serve the purposes of the United States Air Force.

Sincerely,

Tom Knudsen

Tom Knudsen
Agricultural Manager

Encl: affected grower and acreage summary

TK:sjl

## 1986 ACRES OF SUGARBEETS WITHIN PROPOSED AREA

| | |
|---|---|
| Jerry Berger | 82 acres |
| Daniels Farms | 286 acres |
| Earl Davison | 78 acres |
| Ed Hasbargen | 125 acres |
| Ernie Hasbargen | 125 acres |
| Fred Hasbargen | 190 acres |
| Morgan Farms | 384 acres |
| Lyle Raguse | 146 acres |
| Larry Raguse | 160 acres |
| Marvin Raguse | 160 acres |
| Bill Raguse | 118 acres |
| Aloysious Meyer | 120 acres |
| | 1,971 acres |

## 1986 ACRES OF SUGARBEETS OUTSIDE AREA TRUCKED THROUGH AREA

| | |
|---|---|
| Robert Beyer | 185 acres |
| Braun Brothers | 381 acres |
| Alan Raguse | 254 acres |
| Brad Raguse | 120 acres |
| Lyle Raguse | 120 acres |
| Bill Raguse | 200 acres |
| | 1,260 acres |



September 22, 1986

24 Sep 86

HQ Electronics System Division/SCO
OTH-B Systems Program Office
Att. Lt. V.G. Brown
Hanscom AFB, MA
01731-5000

G3, G4

Dear Gentlemen:

I am writing to express my concern over the placement of a receiver for the over the horizon back-scatter radar system. There has been fifty sections of land in Traill and Cass counties sited by the Air Force for this radar system. This is rich valuable farm land the Air Force is considering to destroy along with the destruction of farmsteads that have been in families for generations.

The owners of these sections have not been notified by the Air Force that their land is being considered for the receiver site. The defense department is going to make a decision for the sites of the transmitter and receiver in December. Therefore the Landowner's livelihood could be wiped away in one decision in December. As I understand the government can come in and take over the land with no questions asked. As of now the Thief River Falls community has voiced more interest in this project for employment opportunity than Traill and Cass counties in North Dakota.

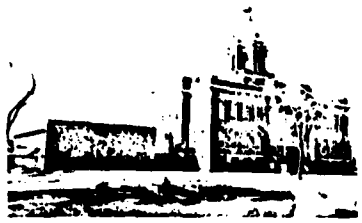
I am personally involved with this decision for a receiver site as my father and mother own One-half of Section 31 in Bloomfield township being considered for the receiver site. My parents bought this land with their hard earned money and it has been paid for. I helped harvest crops off this land. I watched my mother and dad work this land side by side. They had pride in this land. After my dad died in 1983 mother has farmed the land on shares with my cousin. This land is part of my family. I would hate to see part of my family taken away in one grand sweep by a government decision.

Sincerely yours,

Linda Ulland

Linda Ulland

# Traill County North Dakota



HILLSBORO, NORTH DAKOTA 58045

September 17, 1986

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attention: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

G1, G4, G5, G6, G7, G8, G9

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attention: Col. James A. Lee
Hanscom AFB, MA 01731-5000

RE: Central Radar System

Gentlemen:

The Traill County Board of Commissioners met with concerned citizens on September 16, 1986. Those citizens presented the following concerns with the Central Radar System project:

1. There is no reliable data available concerning the health hazards of such a system.
2. The land to be used for the system would cause a large loss of tax base for the County, townships and school districts.
3. The construction of the system will cause numerous drainage and water problems in the area.
4. Prime family farmland will be destroyed by the construction of this system.
5. The system will lower the value of adjoining land and buildings.
6. There will be negative impact on the county and township roads during the three to five year construction period. There could be heavy maintenance problems on said roads after construction.
7. There is no lasting benefit to the local economy after construction of the system.





8. After twenty (20) years the system site could be decommissioned and used for any military purpose.
9. Local communications such as radio, television, business and citizen band radios in the immediate area of the system could be unreliable.

The Traill County Board took all these factors into consideration and passed the enclosed Resolution opposing the location of the Central Radar System within Traill County.

The Traill County Board of Commissioners also requests the following items:

1. That the current period for the draft environmental impact statement for the proposed Central Radar System be extended from October 6, 1986 to December 1, 1986.
2. That another hearing be held for the Galesburg and Blanchard study areas at the Hillsboro National Guard Armory.

Thank you for your consideration in this matter.

Sincerely,

Gilman Wastvedt

Gilman Wastvedt
Vice-Chairman
Traill County Board of Commissioners

SAL/baf

**RESOLUTION**

Upon a motion made and seconded the following resolution was unanimously passed by the Board of County Commissioners of Traill County.

**RESOLVED**, that the Traill County Board of County Commissioners are hereby opposed to the location of the Central Radar System within the boundaries of Traill County, North Dakota.

Dated this 16th day of September, 1986.

Gilmian Rustvedt

Vice-Chairman

Attest:

Joanne Haugen

Traill County Auditor

4-69

RECEIVED
SEP 29 1986

September 22, 1986

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attention: Col. James A. Lee
Hanscom AFB, MA 01731-5000

RE: Central Radar System

G1

Dear Colonel Lee:

I am requesting that the comment period for the draft environmental impact statement of the proposed central radar system be extended from the October 6th deadline to December 1, 1986. The information concerning the hearing held in Grand Forks was inadequate. Most of the residents of the Blanchard survey site were not informed as to the location of the survey site and the names of the townships involved in that area. Also, those who were fortunate enough to receive a draft of the environmental study did not receive their copies until the third week in August. Thus, most people in the Blanchard survey site area were not prepared to ask questions or to comment on the survey.

Because of the impact to the immediate communities, I request that a hearing be held in each survey site area. The Hillsboro National Guard Armory would be a good location for the Galesburg and Blanchard areas.

Not only is it in our best interest to be an informed public, but we feel that the hearing is an important part of the survey process.

Sincerely,

Gilmian Rustvedt

Copies of the preceding letter were also submitted by the following people:

Daryl M. Barron, Grandin, ND

Liz McSparron, Grandin, ND

Eldon & Elaine Saunders, Hunter, ND

Everett D. Christianson, Cummings, ND

Gene & Daphne Porter, Grandin, ND

Mr. & Mrs. Henry Schlichtmann, Hillsboro, ND

Dale & Erma Peterson, Hunter, ND

Dean Ecker, Grandin, ND

Gerald J. Radebaugh, Grandin, ND*

Loren E. Radebaugh, Grandin, ND*

Dunbar & Mildred McSparron, Grandin, ND

Jon McSparron, Grandin, ND

Kenneth & Dorothy Halvorson, Hillsboro, ND

Doug Tate, Grandin, ND

Clarice Sherritt

Brett A. Radebaugh, Grandin, ND*

Dennis & Geraldine Peterson, Grandin, ND

Otto Bertsch, Hillsboro, ND

Mr. & Mrs. Bruce Thorsrud, Grandin, ND

Grace & Glenn Porter, Grandin, ND

Joel & Bonnie Halvorson, Galesburg, ND

Annello Thompson, Blanchard, ND

Mr. & Mrs. Arnold Knudson, Hillsboro, ND

Harold Stokke, Grandin, ND

Leon Bertsch, Hillsboro, ND

Gary & Glenda Smith, Cummings, ND

Pearl Bertsch, Hillsboro, ND

Francis & Liz Kritzberger, Hillsboro, ND

Patricia Bertsch, Hillsboro, ND

Harold W. Weible, Minneapolis, MN

Dan Hilles, Blanchard, ND

Mr. & Mrs. Ralph Thompson, Blanchard, ND

Mrs. Duane Smart, Hillsboro, ND

John Tate, Hunter, ND

Mrs. John Tate, Hunter, ND

Morris and Kathleen Melander, Hunter, ND

---

*These individuals also submitted the sheet reproduced on the next page.

**Reasons for our opposition to the project**

1. Health Issues - No reliable statistics or data concerning health hazards.
2. Tax impact on county, townships, and school districts.
3. Drainage and water problems.
4. Prime family farmland will be destroyed.
5. Lower value of adjoining land and buildings.
6. Negative impact on county and townships roads during 3-5 yr. construction period. Maintenance of roads during and after construction.
7. No lasting benefit to the economy (local) after construction.
8. After 20 years the site could become a refuse area for military use.
9. Local Communications such as radio, TV, business and citizen band radios in the immediate area could be unreliable.



G1, G5, G6 Rcvd 2 Oct 86

I live in Dornsack township 22-144-51 Blanchard Study Area. I am very much opposed to having the radar system in the Blanchard area. Two out of five years we have severe water problems with surface water in the spring. A lot of water comes from the west along Traill County No.1. Most of the time the north-south roads work as dikes to slow up the water so the water can drain away at a reasonable rate. Our area is so flat that we don't have any place for retention dams without flooding someone's land.

I have land in 19-144-51 and 24-144-52 that I paid $1000 per acre for. I have spent eight years of my life working sometimes 20 hour days to pay for the land. I certainly would not consider selling or renting it for less money.

Your book does not mention that we have had rural water for 9 years. Also, Traill County doesn't have any decent gravel left in it. We have to go 50 miles for gravel.

If your high wood fense was close to any of our roads, it would block the road permanently with snow in the winter.

If you come into our area Senator Burdick's office has assured me that I can appear before the Senate Appropriation's Committee-not to be against the radar system but to protect an endangered species, THE AMERICAN FAMILY FARMER. We have a lot of marginal land and or government owned land in North Dakota or Minnesota that could be used instead of our very productive farmland here.

Our cost each year to work and seed an acre of land is $100 per acre which is $240,000 a year or $4,800,000 lost in 20 years. All economists tell us that the money the farmers spend magnifies itself by a factor of 7 or a total of $33,600,000 lost to the local area in 20 years. We pay $900 per quarter section in taxes for a total of $255,000 lost in 20 years.

Since you wouldn't come into our local area for any public informational meetings my neighbors and I have held several meetings of our own to inform the public of all the negative impacts of this proposed radar system. We couldn't think of any positive impacts. Local ABC, CBS, NBC television stations and all local papers have given us very good coverage.

Sincerely,

Dennis A Dullin

Peterson

RECEIVED
13 OCT 86

140 West 19th Avenue
Columbus, Ohio 43210
September 27, 1986

Lieutentant B. G. Brown
HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Hanscom AFB, MA 01731

G1

Dear Air Force:

This letter is in regard to the proposed Back-Scatter Radar Site in North Dakota. My family owns farm land in Traill County, Bohnsack and Greenfield townships, North Dakota. Our land, 12 quarters, is located within the so-called "Blanchard Site", which is actually located closer to Hunter than to Blanchard. I manage this land, which was purchased by my Grandfather; it is listed under Chenault, AR or Chenault, LH in the current plate book for Traill County.

We, the owners, are hereby on record as opposing this site. Furthermore, we object to the way that this matter has been handled. As landowners, we have received no notification. There have been no hearings in Traill County. Four generations of my family have been associated with this land in Traill County. We promise to fight with all our energy and our resources any take-over. Our land is not for sale for any price.

Sincerely yours,

Harry C. Hershey

4-72

RECEIVED
13 OCT 86

September 26, 1986

G1, G2, G3

Dear Gentlemen:

It has recently been publicised that the Defense Dept. has narrowed its choices for placing an Over the Horizon Backscatter receiver to the Blanchard, N.D. and Thief River Falls, Mn. area. Since my mother owns land near Blanchard and the land is located in one of the sections mentioned as under consideration, I wish to voice my opposition to the receiver.

My first concern is the lack of information provided about the receiver. As of today, the Defense Dept. has not contacted any of the landowners who would be affected. Only one general informational meeting has been held and that was in Grand Forks, N.D. -- 60 miles from the area affected. Preliminary Environmental Impact statements were distributed at the meeting. I feel these should have been sent to the landowners as well.

Secondly, I question the life expectancy of such a reciever. The fiasco involving the ABM site at Nekoma, N.D. makes me fear that the Blanchard area could go from a boom town to a ghost town should the receiver ot to be abandoned by the Defense Dept. shortly after being built.

Thirdly, from a personal side I grew up in this area and would hate to see my home replaced by barbed wire and cement. Let alone see the land my parents worked long and hard to be able to buy be turned into a military site. The land is rich and produces crops which support a way of life that is too quickly vanishing. Couldn' the Defense Dept. find a swamp?

Sincerely,

Bev Ulland

Bev Ulland

RECEIVED
NOV 3 1986

G1, G2, G4, G6

September 26, 1986

Dear Gentlemen:

I am writing to voice my objection to the placement of an Over the Horizon Backscatter receiver in the Blanchard, N.D. area. My reasons for objecting follow.

First, there has been a lack of information furnished by the Defense Department. I first learned the land I own was under consideration when the local paper listed the townships and section numbers. This was not printed until after the only public meeting had been held by the Defense Dept. in Grand Forks, N.D. Since I was not at the meeting I did not receive the preliminary environmental impact statement or any other related information.

Secondly, I don't feel the Defense Dept. has adequately addressed what side effects this project would have on the surrounding townships and school districts. Who would be responsible for rerouting the water drainage system? How would the lost land taxes affect the school districts? What would happen should this receiver be deemed obsolete? Would the Defense Dept. reclaim the land to its original state?

Thirdly, the land I own is 100% farmable. No swamps, no creeks. My late husband and I worked 30 years before we were able to buy it. We spent untold hours working together on this land. Also included in the Defense Department's map is the farm I grew up on. This is a third generation farm which would be lost. It seems unfair that my nephews who already struggle with low prices for their crops have to now fight the government to keep their way of life.



This action by the Defense Dept. is causing division in the community and I ask you to use your influence to urge the Defense Dept. to consider other sites where the loss of farmland would not be so high.

Sincerely,

Bessie Ulland

Bessie Ulland

RECEIVED
3 OCT 86

Mr. & Mrs. Vernon G. Johnson
315 2nd St SE
Hillsboro, ND 58045

September 25, 1986

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attn: Lt V. G. Brown
Hanscom AFB, MA 01731-5000

G3, G4, G5, G6, G7, G8, G9

Sir:

We, as concerned citizens of Traill County, North Dakota, feel it is our responsibility to voice our opinions and raise some important questions regarding the location of the Over the Horizon Backscatter Radar site in our county. Our same government, which was built by agriculture and which recognizes a special week for soil conservation and stewardship, is planning to waste prime farmland in the middle of one of our country's most fertile farm areas, disrupting the livelihood of some rural farm families for generations to come.

The use of prime farmland for this radar site is unthinkable when there are many areas of barren and unproductive land available for this use.

In addition to the land lost for agriculture, other questions arise, such as health hazards. What guarantees do we have that there will be no negative impact to the health and well-being of people, livestock, wildlife and plant life surrounding the site?

How will the drainage and watershed of the site and surrounding area be effected?

There will likely be no lasting economic benefit to our area and the value of land adjoining the site may well decline. How will this devaluation and the loss of tax revenue from the site itself impact the tax income for the county, township(s) and school district(s)?

What effects will there be on the roads in the site area during and after construction? Who will bear the costs of repairs and improvements?

Will this site land ever be suitable for farming again or will it become a refuse area for military use?

What impact will there be on local communications such as radio and television?

It is our firm belief that some area of less productive land could be used for the radar site. It is our firm belief that a very careful and thorough study of these questions and issues be completed before any site is selected or any work is begun.

Sincerely,

Vernon G. Johnson
Marie J. Johnson
James W. Knecht
Della J. Knecht

September 26. 1986

Revd
30 Oct 86

The Editor
Fargo Forum

G1, G3

RE: Blanchard Radar Site

I would like to thank the Forum for its Sep. 23rd editorial asking the Air Force for an extension of the comment period on the proposed Blanchard Radar Site. In fact the media in general should be thanked for covering our meetings which has helped in "getting the story out" on this matter.

Our primary concerns are rather basic. We have not had enough time to rea or to get information on this project. Therefore we need a public hearing in the immediate area so that everyone can understand the dimensions and reasons for this system. After that we need an extended comment period so that everyone that wants to may react to the information. We are also deeply concerned about the project using prime family farmland.

In no way do these concerns question the need or adviseability of this radar installation. We understand that we need adequate defensive systems I think most of us feel that way and will accept some adverse impact of military installations if necessary.

But the point in this matter is, "is it necessary for this installation to be in an area where it will affect very good farmland and a relatively large number of people"? I don t think so. We know it needs to be within a 50 mile radius of the Grand Forks A. F. B. Looking at a map that is understandable because that gives the proper location for the radar coverage needed. However, in that area we know there are numerous cites which have very marginal non-productive land. That is where this site should be located. Normally where the land is poor or non-productive very few people live. Therefore it would disrupt less lives.

I have heard of a few people who question the complaint that we have of good farmland being used. They say that the government is now paying farmers for taking some land out of production so why worry about it.

In answering that point let me say that I hope some better National and World-wide solutions can be found to correct our over supply of food problem. This world doesn't have to much food, rather we have failed to find a way for everyone to eat it. In this country we should also be concerned about the long term impact of careless land use. We are paving over thousands of acres every year. Some day this country and this world may desperately need it. Once it is destroyed it is gone forever. Your cannot make good farmland. We need to be good stewards of our land. It is a God given natural resource that we should not take lightly. I hope that the Air Force takes that into its consideration.

David Eblen

David Eblen
RR 1 Box 84
Hillsboro. N. Dak.
Phone 436-4001

4-75

G3, G4, G5, G6, G7, G8, G9 page 1

Comment Letter Sept. 28, 1986
Central OTH-B Radar System

Ronald & Gloria Porter
RR 1 Box 63
Grandin, N. D. 58038

Revd 6 Oct 86

Dear Col. Lee,

We are opposed to the Blanchard Area study site as a location for the recieves of the CRS. We will explain our reasons and concerns with this letter and pictures that are inclosed. We hope you will again look at these pictures and the locations. These are copies of the original pictures I showed to you after the meeting hearing in Grand Forks on Sept. 9, 1986.

Would bring the originals to the hearing in Hillsboro if you'd like to see them again.

1. The Red River Valley is a "National Treasure" as the "Bread Basket of the World." Prime family farm land will be completly distroied and be forever lost. Agriculture is basic to LIFE.
2. No one will want to live or farm near this huge metal structure, thus a lower value of ajoining land and buildings.
3. The increased tax burden on county, township, school districts, fire districts and social welfare program costs due to lost tax revenue.
4. Major problems with surface water drainage. Remember we are in a lower area of the prehistoric Lake Agassiz (3.2.2.2) Our Fargo Clay soil is poorly drained and has poor workability. (3.2.3.2)

Our soil is suited to small grains, sugar beets and grasses and sunflowers, not construction. You have no realistic idea of our unique soil until the day the helicopter crew lands in a beautiful black field after a rain. There are even people who farm 20 miles from our township who are ignorant of Fargo Clay. It doesn't drain! Water doesn't run off easily. This is the bottom of a lake! The pictures show the problem of erosion, but I don't have an airplane so I didn't get the pictures of the water covering every section to the west of our farm from the air. But please call, or write Traill Co Sheriff Richard Fisher, Hillsboro, N D 58045 or call (701) 436-4510. He is also the Civil Defense Director for Traill Co. He can tell you how the drainage works in a lake bottom. I think the Hillsboro Banner, Hillsboro, N D may also provide stories reported about the flooding throughout the past 100 years. In recent years 1979, 1982, 1984 have caused concerns, however torrential rain in early July in 1975 destroyed growing crops because of the poor drainage. At that time the rail road held back some of the water. But the railroad has been abandon & when the railroad bed (W. side of ND Highway 18) is removed the water will increase faster, causing more flooding and there

Large tubes or culverts to let water pass under it would assist - over the roads & fields!



will be more problems with water going over the township roads. I hope you have also discussed this with the Co. Water Board. Poor drainage!

5. As a township board member, I am concerned about the negative impact on township & county roads during the 3-5 year construction period, and maintenance of roads during & after. We are concerned where we will get our gravel & the costs for gravel hauled to our local roads. The township must go nearly 50 miles now for gravel road gravel — where will it come for the site? The increased costs of snow removal on roads near the site. Our plows don't come immediately — we have to wait our turn — until the Air Force? What price will snow removal cost? our township tax payers.
6. No lasting benefits to the economy (LOCAL) after construction. Only additional problems to effected farm families, relocation, loss of income producing land & increased stress.
7. Fears that after 20 years the site could become a military or nuclear refuse dump.
8. Health Issue - No reliable statistics or data concerning health hazards. Page C-11 (C2.5) In the DEIS the Experimental Radar System was not operated 24 hrs a day and never at the power level of the proposed system. 900 hours at 120 KW - less than 1 MW ? or 16 MW ? (2-8) 2.1.1.6 The east coast sites at Moscow, & Columbia Falls, & Bangor, Maine should be operational & tested completely before any other are begun. Why do they need more land near Moscow, Maine already?

100

Comment CRS. Ronald & Gloria Porter Page 1

9. Local Communications such as radio, TV, business & citizen band radio in the nearby immediate area could be unreliable for many farm families. or Hearing in Grand Forks

10 We are concerned the DEIS did not explain or show adequate pictures aireal of the receiver (complete structure) in Columbia Falls, Maine or the Moscow, Maine site. The CRS will be larger, but the DEIS lists so many sizes, I think the FEIS better have it pictured, detailed & enlarged so we understand. From 8,000 — 19,000 is a lot of difference in size! 101

11. There is a major Fireworks Factory located south of Hunter in Cass Co., about 4 miles south of the Blanchard Site Study area center. This factory produces and tests regulary their display products. This company provided fire works display for one of the Statue of Liberty 4th July Week End Displays. They do big jobs! They also employ local people! I think they manufacture year round. 102

We are opposed. You need more information, and we need more information.

We think you can find another location or system to do this job well.

I know this is long, but we thought you should know these things.

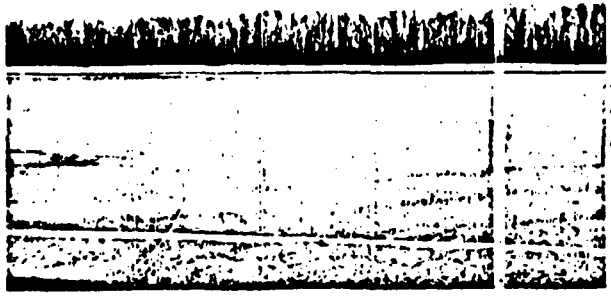
Thank You,
Ronald & Gloria Porter
(701) 436-4026

4-77

Bohm Twp Township Cass Co. N.D. April 79.
141-51 W



SE ¼ sect 28
144N-51W
Water was within 5' of front steps, and water damaged grain in bins. Water had gone down at time of picture. Before entire sec 28 was under water



Looking NW into Sect 28 SE ¼.
Water covered entire sect. but froze up one day



SW 80A of the SW ¼ 27
144N-51W
Looking N migratory birds feeding in the flooded fields on Good Friday Ap 1979

Bohnsack, Township, Traill Co N.D. Oct --- 979

4-78



SE ¼ sect 28
144 N - 51 W

water

Ronald Poter farm



Looking north to NE ¼ of sect 28
144 N 51 W

water

Robert Poter farm



NE ¼ sect 33
144 N 51 W

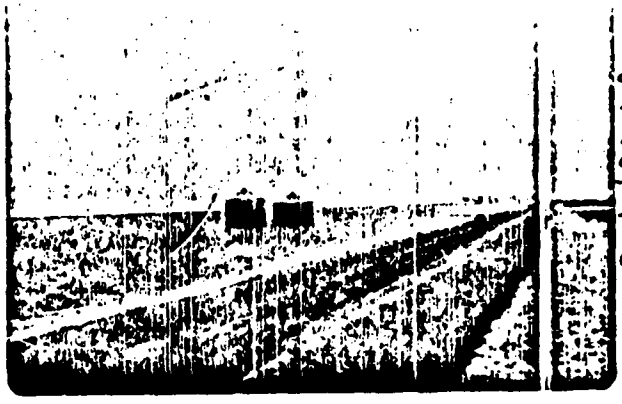
looking south entire sect was under water + more was comming from the west

Glenn Poter farm

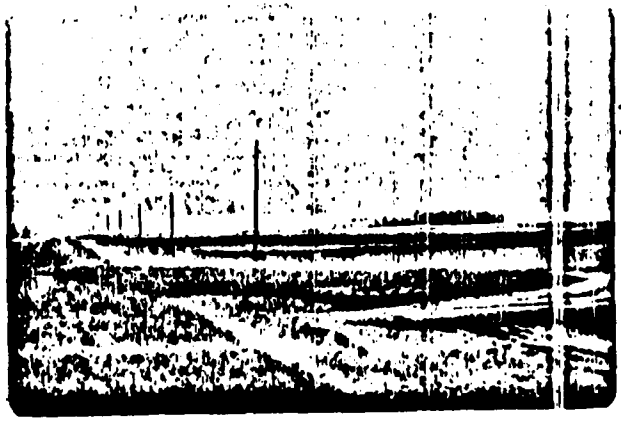
Bohnsack Township Traill Co N.D. April 1979
144 N - 51 W



Sect 26 + 35
144N - 51 W
road + bridge
water was higher + over bridge



SE ¼ sect 30
144N - 51 W
Looking N to sec 19.
Grain bins are gone - they always had water in grain.
Water ran across road before picture

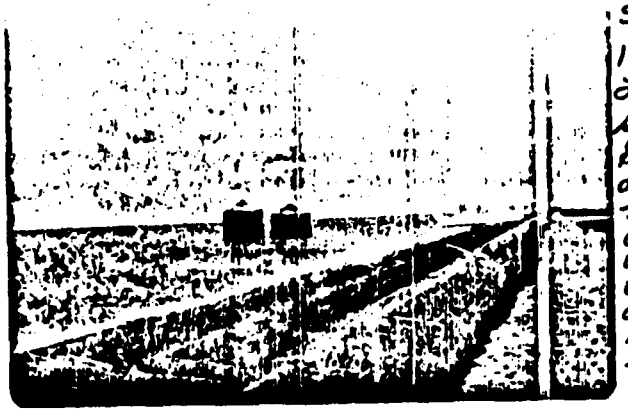


NW Corner sect 31
144N - 51 W
looking SW into Greenfield (144N52W)
Sect 36 + 25
merle Oakley farm in distance

Bohnsack Township Trail Co. N.D. April 1979
144 N 51 W



Sect 26+35
road + bridge
water was
higher +
over
bridge



SE ¼ sec 30
144N-51W
Looking N to
sect 19
Grain bins
are gone
now they
always had
water in grain
Water ran
across
road
before picture



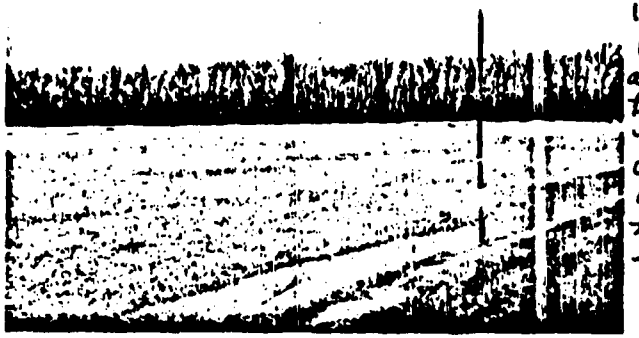
NW Corner
sect 31
looking SW
into
Greenfield
Merle Hidley
farm in
distance

4-79

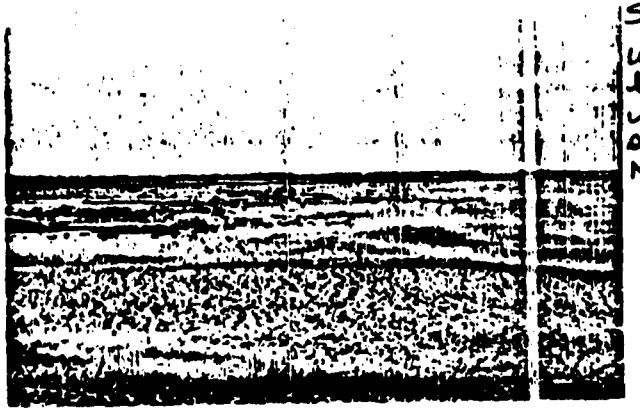
Bohnsack Township Trail Co. N.D. April 1979
144 N 51W



SE ¼ sect 28
Looking W
from township
road on east
side of sect 28
Water over
entire section
slowed by
freezing



SE ¼ sect 28
144N 51W
Water on
all sections
to west to
Highway 18
and more to
come off
the "ridge" or
beach rise



SE ¼ sect 28
Water froze
humps as
wind blew
strong from
NW

Bohnsack Township Traill Co. N.D.
144N-51W April 1979



Looking West sect 31 Erosion sect 27



Township road between sect 26-35 water over the road caused erosion



Traill Co & Cass Co Line Bridge washed out between sect 35 - 144N-51W and Bell Township

Bohnsack Township Traill Co, N.D. April 1979
144N-51W
Erosion



NOTE

Looking east to NW¼-33 road & wash out east side of sect 22 Note waterline in grass ridge in foreground



NE¼-34 SE¼-27

wash out Culvert

Traill Co #1 Road sign



Erosion on west side of Bohnsack township into Greenfield township Road going west between 36-31 of Bohnsack looking SW into sect 36 of Greenfield



NE¼ sect 28 looking east to NW¼ sect 27 144N-51W. Traill Co Road #1 to left Robert Porter farm to right

Box 506 RR 58251
Larimore N. Dak.

Lt V.S. Brown Sept 30, 1986
ESD SCO
Hanscom Air Force Base
Mass. 01731

RECEIVED
OCT 7 1986

Dear Sir,

I am a concerned land owner of 480 acres of good farm land in the Goose River Study Area in Logan Center Township Grand Forks County. We could be in the receiver area apparently.

I violently protest this incursion and would not release my land or sell for it.

Since we are in the central flyway, you can imagine what a 65 ft high wire screen would do to the birds. The antennas + screens both present difficulties if not hazards to the farmer.

We already have a missle installation within a mile of us and the GF Air base about 30 miles away. It seems to me that we have borne our share of the nuclear hazard without any more.

I am unalterably opposed.

Sincerely yours

Danny B Peterson
(Mrs Peter W Peterson)

I protest damage to our roads, too. DBP

Sept 23 - 86

U.S. Air Force

RECEIVED
FCAFB

Dear Sirs:

Saw in the Fargo Forum you are having a hard time finding a place to site your radar reciever.

I have 4 lots in Portland N. D. lots 9-10-11-12 Block 37 in the south east of town across from the bean plant you can buy from me.

If intrested write or call. Thank You.

Genene A. Keane
59 East Lynmar Dr.
Fargo, N. D. 58102

701-232-0324
after 3:00 P.M.

4-82



"SCRATCH PAD"

RECEIVED
Sept 86

Ken Beckman
Rt 2 Box 30
Mayville ND
58257

Dear Sir

Thought I had better drop a line and let you know what the good people of Blanchard think. I have a Mayville mailing address but live ½ mile north of Blanchard, as did my father and his father. My land is on the Blanchard site

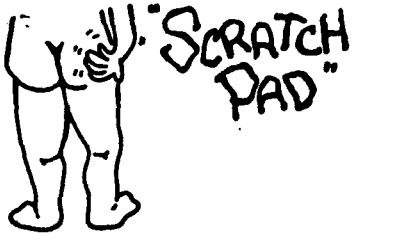
Christian Manufacturing & Sales Co., Inc.
Box 229 • Granite, ND 58036
701-484-5341




I manage the Blomkest grain elevator. So I deal with a lot of the people involved with the site. There are a lot of us that are not against the Blomkest site. If it is the best site, best interest of the U.S.A by all means put it here.

Christian Manufacturing & Sales Co., Inc.
Box 229 • Grandin, ND 58038
701-484-5341






There were three petitions in the town of Blomkest against the site, but not one was signed. I am aware of the ones you received, but they were mostly out of the Blomkest Site.

I trust you will make the right decision based on facts, not pressure, as you in good faith

Ken Beckman

Christian Manufacturing & Sales Co., Inc.
Box 229 • Grandin, ND 58038
701-484-5341

REC R90086

October 6, 1986

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Hanscom Air Force Base, MA 01731-5000

ATTENTION: Lt. V.G. Brown

Dear Lt. V.G. Brown:

We, as concerned citizens opposed to the Central Horizen Backscatter Radar System site in the Blanchard survey area, are requesting a public hearing at the Hillsboro National Guard Armory immediately. There are many concerns and questions about this project that must be addressed.

We were happy to hear that the comment period had been extended to October 31. This extension is insignificant, however, if a hearing is not held to answer our questions and concerns.

Finally, we want to re-emphasize that this receiver site should be placed on marginal, nonproductive land and not on prime family farmland in the Blanchard survey site.

Sincerely,

Joseph J Willes

4-84

Copies of the preceding letter were also submitted by the following people:

Daniel Willes, Blanchard, ND

Dennis Willes, Hillsboro, ND

William P. Hotter, Hunter, ND

Patricia J. Hotter, Hunter, ND

Duane & Evon Nelson, Hillsboro, ND

Connie Tate, Hunter, ND

Mr. & Mrs. Gene Porter, Grandin, ND

Roger F. Carpenter, Hunter, ND

Dale & Erma Peterson, Hunter, ND

Dennis & Geraldine Peterson, Grandin, ND

Joel C. Porter, Grandin, ND

Ed & Mae Tate, Grandin, ND

Robin & Loren Radebaugh, Grandin, ND

Larry R. Thompson, Hillsboro, ND

Lillian John, Hillsboro, ND

Larry Nelson, Hunter, ND

Doug Tate, Grandin, ND

Fred John, Orange, CA

Gary & Glenda Smith, Cummings, ND

6 October 1986

HQ ELECTRONIC SYSTEMS DIVISION/SCO
OTH-B
HANSCOM AFB
MASSACHUSETTS 01731-5000
DEAR LT. V.G. BROWN:

G1

A STRONG DEFENSE IS NEEDED.

If sites for OTH-B have been or are wisely selected perhaps there is or will be no uproar.

For years our lands have been devastated by some POWER directing the farmers, the government, to do all the wrong things in farming: from using chemicals, leveling the land, destroying wild life, poisoning the food produced, dredging out trees, farmsteads, small farms, using electronics(criminally),ruining roads, eroding fields, plowing out field borders, ditches, ruining natural draws or drainage areas, destroying the beauty of the prairie.

It is time to start rebuilding America, or continue to do so.

By: PROTECTION, CONSERVATION, PRESERVATION, STEWARDSHIP of our beloved HERITAGE.

Why is the Law not enforced which would enhance the ENVIRONMENT and reduce POLLUTION. Public Law 91-190.

Sincerely yours,
Winnifred Jane Kopanger
Miss Winnifred Jane Kopanger
Millsboro, North Dakota
58045-0041

Sent to:
President Reagan
Senator Quentin N. Burdick
Senator Mark Andrews
Representative Byron L. Dorgan
✓ OTH-B

4-85

# Traill County Water Resource District

BOX 10 HILLSBORO NORTH DAKOTA 58045

RECEIVED 9 OCT 86

District Board of Commissioners
Robert Woods Hillsboro ND
Rodney Cooper Buxton ND
David Holter Halton ND
Gilman A Strand Portland ND
Raymond Kraling Blanchard ND

Joan Svaleson, Clerk - Secretary
436-5812

September 30, 1986

G5

Lt. V. G. Brown
ESD/ SCO
Hanscom AFB, Ma 01731

RE: Draft Environmental Impact Statement. Proposed Central Radar System Over-The-Horizon Backscatter Radar Program August 1986

While each of us has private concerns regarding the siting of the Backscatter Radar System our concern as a Water Resource Board is addressed to water management.

There are 2 proposed sites in Traill County North Dakota. We will address them separately.

Blanchard Study Area:

Your document discussed water management of wetlands. These are of no special concern in this area. Very few exist, if in fact any, except the ancient lake bed itself ever have existed.

The Elm River traverses this Study Area. It is a very important drainage system for parts of Traill, Cass and Steele Counties. The Elm River Watershed Project was built to manage flooding on this system about 25 years ago. This project consisting of 3 dams for flood retention and several floodways have very effectively controlled flooding on this river system.

One of the very important floodways is in this Study Area. (See attached map). Several more are needed. To date costs have prohibited more than local activities in the borrow pits of the numerous Township and County highways.

This points up our greatest concern. Immediately west of this Study Area the topography rapidly changes. There are several beaches from ancient Lake Agassiz. Run off water comes down from these higher elevations very rapidly. It then flows out across the flat lands of this Study Area. Often this flood causes damage to crops, farm buildings, stored grains, roads, bridges and other such property in it's wake.

It is our concern that if these small floodways, graded road borrow pits, are obliterated as suggested on page 54, that not only the flood hazard for the local farmers will be increased, but also the flood hazard for the proposed Radar System would also be endangered.

The natural gradient in the western portions of the Blanchard Study Area runs from 10' to 15' per mile to the east and diminishes to less than 5' per mile in the eastern part of the Study Area. This further adds to the problem because the farther east the land lies the flatter the gradient and the greater the accumulated run-off becomes.

To try to run water either north or south is very difficult because there is no natural gradient.

Galesburg Study Area:

This Study Area is only partially within our jurisdiction. This is pothole country and well defined drainage intermized. One of the dams of the Elm River Watershed Project is located in section 12-144-54. While located in Steele County, Operation and Maintenance of this structure is our responsibility.

Most of the land in Traill County is very sandy and is an important aquifer re-charging area.

Our concern as a Water Resource Board is that no diversions of large amounts of water be made into the aforementioned dam or any of the channels of the Elm River without consideration of their capacity to receive the increased flows.

Sincerely,

David J. Holter, Chairman
Traill County Water Resource Board

cc: Governor G. Sinner
N.D. State Water Commission



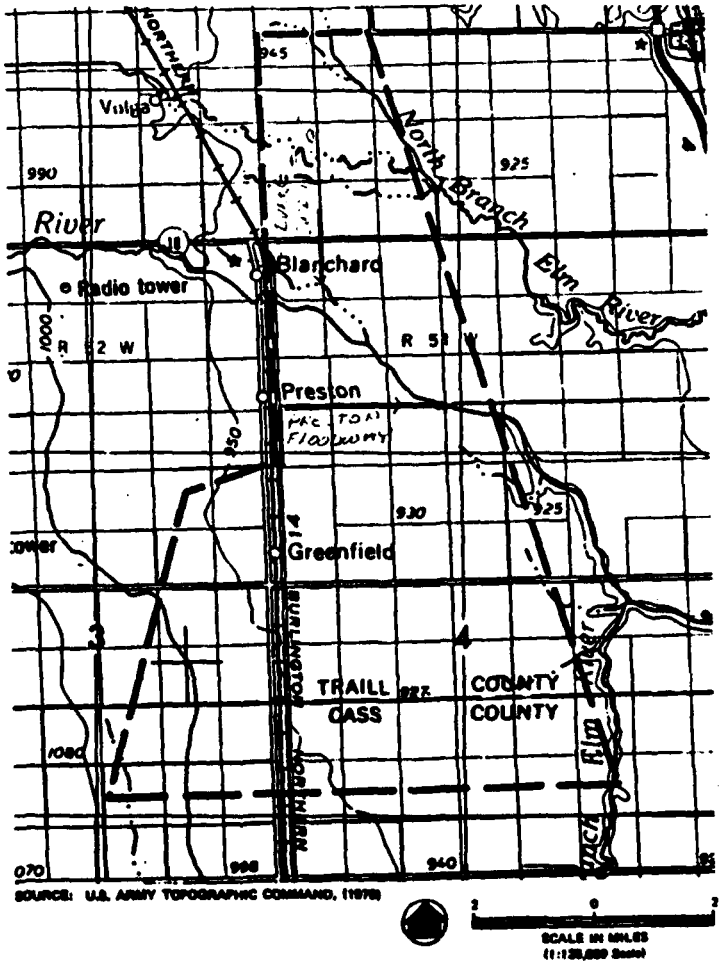



FIGURE 2-10 BLANCHARD STUDY AREA

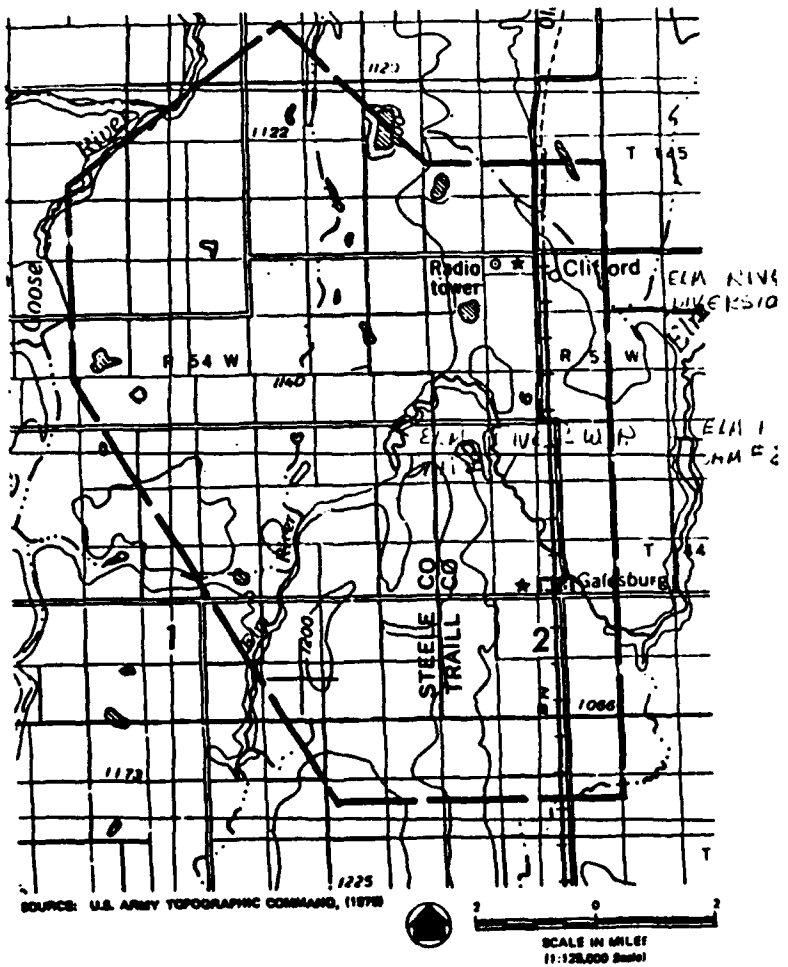



FIGURE 2-9 GALESBURG STUDY AREA





RECEIVED
Rec'd 9/30/86

September 26, 1986

MD Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB MA 01731

G3, G6, G8

Attn: Lt. V.G. Brown

Thank you for taking the time and effort to explain your environmental impact analysis for the Over The Horizon Backscatter Radar Program. It is reassuring to know that the government is concerned about the defense of the United States; however, I am opposed to the location of the transmit antenna sites. The following paragraphs explain my opposition.

My first concern is the removal of productive farmland. Having been born and raised on a farm, I know the value of agriculture to the United States. I feel it is as important to our country as national defense. Without the farmer the United States, as we know it today, would collapse and there would be no need for defense. In my opinion it makes more sense to use non-productive land for this system.

Secondly, I am concerned about our community becoming a first strike area in the event of any military aggression against the United States. I was dissatisfied and disagree with your repesentative's answer during the public hearing held at the Wheaton High School. Just as the United States took out the radar station in Lybia first, it makes sense an aggressor would do the same to the United States. This could be done through sabotage or terrorism, which is undetectable by any radar system. Once the system is down it becomes vulnerable to complete elimination. An aggressor also has added incentive to strike this area first, which would result in the destruction of a major food source. In other words, killing two birds with one stone.

On the local level several concerns arise. Although your report states there is no reliable evidence existing that the exposure to radiofrequency radiation from the radar systems would be harmful to humans, there is also no concrete evidence that it will not. As a matter of fact, there are cases in which mammals suffered irreversible adverse effects. The risk is there and cannot be ignored. In addition to the health of the local populations, you will be uprooting families which have farmed these lands for generations. My family is directly affected by your consideration of the North Wheaton location. I don't want myself or my brothers and sisters to be robbed of the opportunity to continue our family farm. Also, the local community will be adversely affected through the loss of tax revenue and production goods and services purchased by the uprooted farmers.

In conclusion, by constructing the OTH-B Radar Transmitter at any of the site locations being considered we will lose productive farmland, become a first strike target, risk human health, and disrupt family farms and local business. I am opposed to the locations being considered and feel the alternatives should be explored.

Sincerely, Richard D. Keller

Richard D Keller
3301 17th Ave SW
Fargo ND 58103

CC: MINNESOTA - U.S. Senators
Dave Durenberger
Rudy Boschwitz

U.S. Representatives
Tim Penny
Vin Weber
Bill Frenzel
Bruce Vento
Martin Sabo
Gerry Sikorski
Arlan Stangeland
James Oberstar

Governor
Rudy Perpich

Please Send Me a Copy of the final Draft

4-88

October 6, 1986

rcvd
G1, G3, G5, G6 10ct86

To Whom It May Concern:

I am very opposed to this project (Central OTH-B Radar System) being carried out in Traill County, especially Blanchard Township, North Dakota. As a landowner, I was billed for $2012.74 in taxes in the year 1985 for the south half of Section 28-145-52. This taxation was for 320 acres of unimproved land. We cannot assume any greater taxes because of land being taken out of the tax status for a project of this sort.

This will also cause a further devaluation of our land, and our land at the present time has devaluated BELOW THE ROCK BOTTOM LEVEL!

The township and county will not need LESS TAXES but MORE TAXES for upkeep and building of more roadways, because as I understand this, it is going to be very sizable and involve approximately 2400 acres which is almost 4 square miles, or 4 sections. It will require cutting off some roads and building some new ones which, in turn, will involve the county and township.

Then comes the drainage problem! it seems as though the AIR FORCE cannot be relied on for compensation for any flood damage. There is also a site that seems to have been abandoned at Nikoma, North Dakota. The buildings and all that is necessary are there - why not use that? Because it is on marginal farm land. Don't take rich, productive land and ruin it for all time to come. I am told the site at Nikoma, North Dakota is used for a dump site - clean it up and use it for the present project.

It is my conviction that the above-mentioned project would far surpass the proposed project and also be a tremendous savings to the taxpayers, of which I am counted in.

It is also my suggestion that the meetings be held in Hillsboro, North Dakota, NOT in Grand Forks or Fargo. Although I will be unable to attend, the meetings should be held near the proposed site of the project to allow the most interested and affected parties easier attendance.

Sincerely,

Keith Brown

Keith Brown

Rec'd

G1, G3, G4, G5, G6, G7, G8, G9

Sir:

On consideration of the people living in the Blanchard study area we would like an extension on the time period from Oct 6, 1986 to Dec 1, 1986, to give us more time, as the most of us are trying to harvest yet.

The people here can't understand why you are proposing to take this prime land and use it for the signal receiving station. This land is prime family farmland here in the Red River Valley. The government has acres of marginal land that it own already and has not any familys on it.

According to your study book there isn't enough study or evidence proven that this will not affect people here with health problems later on.

The heavy equipment they will bring in and use here will ruin our roads and we won't get any revenue to keep them repaired.

The township will not get any tax money if the land is sold and it will raise our taxes in the township 18 percent.

In this study area, Bohnsack township has a lot of land involved.

The pictures I have enclosed will show the flooding problems we have had in the past and in my opinion, this project will add to our problems with drainage in the area.

In my opinion, the receiving station will devaluate the surrounding area land prices. The fences will create problems with the drifting snow for our roads. If the fences are too close the roads could become blocked with snow.

After you decommission the site, our biggest concern is that this will be turned into a nuclear waste dump.

Contrary to the study book, this is a flyway for the ducks and geese in the spring and fall.

Our local communications could all be interfeared with so we could not use any of these close to your site.

We have heard already that in the site you have operating, the reception isn't any good.

In light of all these reasons, as a landowner, I am very opposed to this project in the Blanchard Study area!

Sincerely
John Tate

4-90

First Interstate Bank
First Interstate Bank of Fargo, N.A.
Trust Division
Main at Broadway
Fargo, ND 58124-0001
701 293-2222

RECEIVED
OCT 16 1986

October 8, 1986

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attention: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

First Interstate Bank of Fargo, N.A., as Trustee, owns several parcels of land in the Galesburg and Blanchard proposed radar sites. Marginal land within the desired ratius of the Grand Forks Air Force Base should be considered prior to any prime Red River Valley farmland.

We would appreciate receiving any information that is available regarding the radar project and proposed sites.

Sincerely yours,

Scott Thompson
Trust Farm Manager

ST:ss

OCT 16 1986

G3

Galesburg, N.D.
Oct. 10, 1986

Dear Lt. Brown,

As a land owner & resident in the area considered for the proposed radar site under the Grand Forks Air Base, I would certainly urge that you reconsider your plans to place the Radar site in an area where many farmers & their families are making their living from the land. There are areas less populated and where the land is not as fertile as the area

Thank you very much.

Mrs Jurelle Moen
Box 117
Galesburg, N.D.
58035

October 7, 1986

RECEIVED
OCT 16 1986

Dale A. Thompson
605 S.W. 2nd St.
Rugby, ND 58368

COPY

Honorable George Sinner
Governor's Office
State Capitol Bldg.
Bismarck, ND 58505

RE: Over-The-Horizon Backscatter Radar Program

Dear Governor Sinner:

In January of 1900 my Great-Grandfather moved his family onto a farmstead located on the West Half of Section (7) 145-53 in Traill County, North Dakota. He raised his family on that farm as did my Grandfather and my Father. My parents are now in their mid-50's and still farm and live on the original farmstead. It is nothing fancy, but it has been in the family for 86 years now.

At the present, my parents farm 7 quarters, of which 3 are rented. All but one of their five children are now grown. It has been their hope that in a few years they can afford to farm just the four quarters that they own. As things are, they are able to make a decent living, but due to the farm economy none of their children have gotten involved in the farm, although we do what we can to supply labor when the folks need it. It seemed unfair to ask them to risk the farm in order to set up their children in farming but if things get better there could be a fourth generation on the farm.

While there has apparently been no decision made regarding the location of the proposed Over-The-Horizon Backscatter Radar Program site, there are many rumors around. The one that concerns my parents the most is that if the Galesburg site is selected, not only will my parents have an installation on their land, but that their home will be destroyed to make room for the installation.

My parent's farm is small and the loss of any land would be very detrimental to their farming operation - especially if compensation is to be made at the current reduced farmland market values. Having done their best to survive the farm economy crisis, then lose their home to the military would defeat any sense of accomplishment that they have in their survival effort.

The folks in the Blanchard area have caused a great deal of fuss over the site being placed there. That fuss has apparently caught your attention.

In an article in the Grand Forks Herald on October 3, 1986, you appeared to be very uninformed about the situation and your only concern appeared to be the loss of "valuable" farm land - with little if any, concern for the people. Your lack of concern for the citizens of North Dakota was apparent when you:

> "Asked whether the site, if it is located in North Dakota, could be located several miles west of the proposed site, away from prime farmland."

My question is, do you realize what you were saying?

While my parents, and others in the Galesburg site area, land may not be as valuable it is certainly not waste land. The loss of land for the Galesburg people is just as big of a loss as it is for the Blanchard people

Further, I have reviewed the Draft Environmental Impact Statement proposed by the Air Force and moving the site to the west not only takes up farm land, but also destroys wildlife areas and wet lands that can never be replaced once the project has been dismantled.

I realize that as Governor, you are concerned that action be taken to improve the economy of this State. This is a valid concern, especially during these difficult times, but this is a farm state and do we really want to destroy farms, and displace life long residents for a project which will give a quick profit to outsiders, then in 20 years be gone. In the long run don't we want to preserve the farm character of this State, which is why most of us are here anyway?

Those who favor the project do not live within the project site area. They are not going to lose their land or their homes. They are simply looking for the quick buck at the expense of someone else.

It was hoped that efforts would be made to keep the project out of North Dakota. In addition to the selfish reasons of those who want to be allowed to continue to farm the land and live in the homes that they have worked for generations to keep, there is also the matter of lost tax base, wetlands and the character of the community.

Instead, you have suggested that those in the western sites be sacrificed for the benefit of those in the eastern site. Thief River Falls appears to welcome the project and if placed there, the Grand Forks crew still stands to receive economic benefit. A benefit without any cost - perhaps that could be considered.

Sincerely yours,

Dale A. Thompson

CC: Mark Andrews
Kent Conrad
Byron Dorgan
Quentin Burdick
Lt. V.C. Brown
HQ Electronic Systems Division

4-92



NORTH DAKOTA

Farmers Union

Box 2136 – Jamestown, North Dakota 58402-2136
Phone: 252-2340

October 7, 1986

HQ Electronic Systems Division/SCO
ORTH-B Systems Program Office
Attn: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

RECEIVED
OCT 16 1986

G1, G3, G4

Dear Sir:

The North Dakota Farmers Union is a general farm organization representing nearly 32,000 farm families in the state. We have county and local organizations in each of the state's 53 counties, including those counties which are being considered as possible sites for the Central ORTH-B Radar System in North Dakota.

In recent times North Dakota farmers have been substantially impacted by various energy, water resource, and military developments, including the ABM system near Langdon. Out of these experiences, our members have established policies which we believe should guide such developments.

To protect agriculture's economic interest and to assure a maximum amount of fertile land for future production of food and fiber, we believe that such developments must avoid the use of prime farm land to the greatest extent possible. Prime farm land should have a higher priority as an avoidance area than wildlife acreages.

We believe that a primary consideration in the potential location of the Central ORTH-B Radar System must be the avoidance of the use of prime farm land. We therefore recommend that the alternate locations which would utilize marginal non-productive lands to the greatest extent be given the highest priority as a site for such development.

In addition, the North Dakota Farmers Union is deeply concerned over the economic, social, and environmental impacts of these developments.

In all public and private projects in which eminent domain proceedings may eventually be used, individual notification and public hearings must be held before the project is allowed to be implemented.

We would therefore encourage and recommend additional hearings in the areas to be affected and an extended period in which residents of those areas can more fully respond and participate through the public hearing process.

Through the additional hearings and extended response period, we believe that residents in the areas of these potential sites will be able to more fully understand the processes by which this project will comply with the National Environmental Policy Act, the Uniform Land Acquisition Act, and the Federal Relocation Act.

4-93



Such developments must provide assurances that the rights of landowners, tenants, and farm operators are fully protected.

The agricultural, economic, social and environmental impacts associated with such developments must be considered as a cost of the project, and appropriate impact funds need to be established so that residents and their governmental units do not have to bear the burden of such development.

We believe that the site location selection must be based on which site would have the least adverse impact upon prime farm land, and upon the residents and communities which would be affected.

We would appreciate a copy of the draft EIS and also a copy of the final EIS.

Yours truly,

NORTH DAKOTA FARMERS UNION

Stanley M. Moore
Stanley M. Moore
President

SMM:jet
cc Senator Quentin N. Burdick
Senator Mark Andrews
Representative Byron Dorgan
Governor George Sinner

# HILLSBORO PUBLIC SCHOOLS

HILLSBORO, NORTH DAKOTA 58045





Board of Education
Lee Kaldor, President
David Heyer, Vice President
Peggy Ehlen, Director
Richard Gehrke, Director
E.N. "Cactus" Warner, Director
Ruth Rust, Clerk

Arthur Morlock, Superintendent
Rick Alfson, High School Principal
Bill Schumacher, Elementary Principal




October 15, 1986

G1, G6

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Hanscom Air Force Base, MA 01731-5000

ATTENTION: Lt. V. G. Brown

Dear Lt. V. G. Brown:

At the regular meeting of the Hillsboro School Board on October 9, 1986, they passed a resolution requesting a public hearing to be held in Hillsboro regarding the Central Horizon Backscatter Radar System site being considered in the Blanchard survey area.

This project could have considerable impact on the tax base of this district and for that reason a hearing should be held in this area to address the questions and concerns of our patrons.

Sincerely,

Ruth Rust

Ruth Rust
Clerk

4-94

G3

I am writing to you concerning the proposed OTH-B radar system that may be located in the Blanchard, N.D. area. My sister and myself are land owners in Bloomfield Township which is in Traill county that I understand would be affected by this site.

This land has been in our family since the turn of the century and we would like to be able to pass this on to our children. After the death of my father, my mother has been receiving the revenues from the land to support herself in addition to her social security. We would like to see this continue as she is elderly and may have to move into the nursing home in Hillsboro, in the near future.

It seems that it would make a lot more sense to use federal or state land, or marginal land rather than the excellent farm land that is located in the area.

I would ask your support to try to have this located at a different site than the one at Blanchard, N.D.

Thank you for your time and consideration.

Sincerely:

Joel Berkas

Joel Berkas
8075 Edgewood Dr.
Mounds View, Mn. 55432

RECEIVED
21 OCT 86

G4

Oct 9, 86
Cliffud N.D.

Lt. U.S. Brown

I Am writing in regard to the radar site -

I object that you can put my homeland and rented land up for a site And not have to notify us the owners of the land

This is a 3 Generation farm we want to keep it -

The price you quote is Nuts you will run any farmer who is so unlucky as to get the site - This is our life -

We pay large taxes to school system they can't loose

We live right in large Wildlife Area -

Hundreds of deer (which we watch all winter go from east to west in early am -

Moose & Elk Moose come up to our house -

In the fall Geese fill farmers selection of land

If any farmer has to move you can't build them a new farm site -

The Government will spend any amount to put them up but the farmer deserves more than land at current price Also something for upsetting their life -

Stay out of No Dak we don't want you

Stay out of the Valley City site

Why all this for just 20 years there must be a better way

Elayne Thompson
Cliffud 58016
N. Dak

ph 498-2760

4-95

RECEIVED
23 Oct 86



**Dakota Public School District No. 3**

Hunter, ND 58048
HAL HABERMANN, SUPERINTENDENT
874-2366

Dakota Elementary
Hunter, ND 58048
Delores Carpenter, Principal
874-2322

Dakota High School
Arthur, ND 58006
Ronald Fried, Principal
967-8344

Warmth

October 14, 1986

G1, G6, G7, G9

Lt. V.G. Brown
ESD/SCO
*Hanscom* AFB, MA 01731

Dear Lt. Brown:

It is with our utmost concern that we write you expressing our thoughts and possible opposition to the proposed Central Radar System/Blanchard Survey Site.

First of all, we have not had adequate time to study the proposal and the impact this system would have on our School District. Because of this fact and the fact that there are so many unanswered questions in this regard, it would, in our opinion, be advisable to further extend the comment period from October 26, 1986, to at least December 1, 1986.

We find that there are approximately 38 sections of the Survey Site in our School District. The selection of 2400 acres from this site will have a significant impact on our property tax base resulting in a loss of revenue in a very financially difficult time for a school district of our size. The loss of displaced families will, as well, result in a loss of state financial aid of $1,370 to $1,918 for just one student. In addition, the placement of the Central Radar System on this site may greatly affect our bus routes, bus communications system, etc.

The need for this protective radar system is not being questioned; we may desperately need this type of installation. However, the possibility that it could be placed on property where it would have the least impact needs to be explored further. In this regard, we feel it is extremely important that additional public hearings be conducted in the Blanchard Survey Site, preferrably in the Hunter area; therefore, we extend an invitation for you to use our school facility for this purpose.

PRESIDENT OF BOARD
Kenneth Ewerts
Hunter, ND 58048

CLERK OF BOARD
Mrs. Mary Morrel
Hunter, ND 58048

BOARD MEMBERS
O.L. Aarvold
Peter Lundvall
John Porter
Gregory Radcliffe
Charles Rose, Jr.
Peggy Williams

4-96



We are hopeful for more deliberation and careful thought before a decision is made by the U.S. Air Force. Questions need to be answered, and we, along with the patrons we represent, need to be informed in all areas of concern. We look forward to hearing from you in regard to scheduling a public hearing at our facility in Hunter, N.D. Your immediate attention to this matter will be greatly appreciated.

Sincerely,

BOARD OF EDUCATION

Kenneth Ewerts

KENNETH EWERTZ,
Chairperson

KE/mm

cc: Senator Mark Andrews
Senator Quentin Burdick
Representative Byron Dorgan
Governor George Sinner

G1, G3, G4, G5, G6, G7, G8, G9

Lt. V.G. Brown and Col. Lee
N.D. Electronic Systems Division ISCO
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Lt. V.G. Brown & Col. Lee,

We as the elected committee representing the concerned citizens opposed to the Central radar system receive site in the Blanchard study area, feel that we must voice the concerns and opposition that people attending the two citizens meetings held in Hillsboro, N.D., conveyed to us.

First, the information and news releases prior to the Grand Forks hearing were inadequate. No townships names were given in any of the news releases, and a very vague description of the boundaries of the Blanchard survey were detailed. Thus most of the people living in the area were not adequately informed. For that reason, we're requesting that the comment period which is set to close Oct. 6 be extended to Dec. 1. The extension would give those living in the area time to receive a copy of the draft environmental impact statement and also time to study the proposal.

Secondly, we feel that it is only fair that a public hearing be conducted for the Blanchard survey site area, preferably in the Hillsboro National Guard Armory. All of the people affected by this project would get a chance to receive information and also respond with informed comments on this project.

Thirdly, if this project is placed in the Blanchard survey site, prime Red River Valley farmland would be taken out of production. We have only so much of this good farmland, and the installation would require at least 2,400 acres of it, and quite possibly make it unproductive forever.

Some additional reasons for our opposition to the project in Cass & Traill Counties are as follows:

1. Lower value of adjoining land and buildings
2. Drainage & water problems
3. Negative impact on county & township roads
4. Unassessed health issues & concerns
5. Bad impact on county, townships and school districts
6. No lasting benefit to our local economy
7. Years after the 20 year use, the site could become a refuse or nuclear waste dump site if needed.
8. Loss of reliable communication such as TV, radio, training band and citizen band radios in the immediate area.

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We do not question the need for this protective radar system at this time. We may desperately need it. However, we do feel that it should be placed on marginal, nonproductive land, someplace where it affects the least number of people. We feel that the Air Force by placing it in the Blanchard survey site area would be totally insensitive to that issue.

As you can see, there are many concerns and unanswered questions about the radar system that need to be addressed. Thus, we do request that you extend the comment period to Dec. 1, and also hold a hearing in the Blanchard survey site area.

Thank you

Sincerely,

| | |
|---|---|
| [illegible] | 145 - [illegible] |
| George Porter, Sec. | 144N - 51W |
| William [illegible] | 144 - 52 |
| [illegible] | 143 - 5[illegible] |
| John Porter | 144 - 50 |

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2C

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| [illegible] | RR 1 Box [illegible] Hillsboro, ND [illegible] |
| Vernon Sedegaard | Box 54 Gardner, N.D. |
| Debra Ebben | BR2 BOX C-45 Hillsboro, ND. |
| [illegible] | Box [illegible] Hillsboro, ND [illegible] |
| [illegible] | [illegible] Hillsboro, ND [illegible] |
| [illegible] | Box [illegible] Hillsboro, ND [illegible] |
| [illegible] | Box [illegible] Mayville, ND 58257 |
| Roland M. Allen | R.R.2, Hillsboro, N.D. 58045 |
| Thomas Muller | Box 525 Hillsboro, ND 58045 |
| [illegible] | Hillsboro N.D. 58045 |
| [illegible] | RR 2 Hillsboro N.D. 58045 |
| Mark Ebben | 704 2nd Ave NE Hillsboro ND 58045 |
| [illegible] | 704 1st Ave. N.E. " " " |
| [illegible] | 307 2nd St SE Hillsboro |
| [illegible] | 706 - 3rd Ave. N.E. Hillsboro |
| [illegible] | 322 - 2nd Ave SE Hillsboro |
| [illegible] | 512 1st Ave SE Hillsboro |
| [illegible] | 113 1st NE Hillsboro N. D. |
| [illegible] | Box 665 Hillsboro N. D. |
| [illegible] | RR 2 Box 94 Hillsboro, N D |

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## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |

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## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Mrs Paul Motter | Clifford, N. D. 58016 |
| Mrs Robt Motter | Clifford, ND |
| Robert Motter | Clifford, ND |
| Paul F Motter | Clifford, N.D. |
| Edwin Ford | Hillsboro N.D. 58045 |
| Chester Brierley | Blanchard N. D. 58009 |
| Lucille Brierley | Blanchard N. D. 58009 |
| Janelle Thompson | Blanchard N Dak 58009 |





## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Ed Tate | Brandin, N Dak Bottineau + Drayfield |
| Becky Barker | Gardner, ND |
| Tom Reid | Hillsboro N.D. |
| Ingol Olsen | Grandin N.D. |
| Jean Dahl | Grandin ND. |
| Dan Hoban | Grandin ND |
| Patty Hoffpauber | Grandin, ND |
| Ken Stephenson | Grandin, ND |
| Darryl Gohr | Grandin, ND |
| Carl Radke | Grandin N. D. |
| Diego S. Barden | Gardner ND. |
| Alice Thorsrud | Grandin, ND. |
| James C. Manning | Grandin N.D. |
| Ole Hagemeister | Grandin ND |
| Dan Eikhoff | Grandin N.D. |
| Linda M Keeney | Grandin ND |
| Dennis Rude | Hillsboro ND |

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Delores Lysk | Grandin, N.D. |
| Bertha Helfer | Grandin |
| Wilbur Bragg | " " |
| Betty Jane | " " |
| Paula St. Pierre | " " |
| Elmer Madsen | " " |
| Cheryl M. Jonsson | " " |
| Anna Brickmann | " " |



PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Marcie Stuelke | Arthur ND 58006 |
| Debbie Myhre | Arthur ND 58006 |
| Jody Burgum | Arthur N.D. |
| Kim Lofgren | Arthur ND |
| Lowell Albert Jr | Erie N.D. |
| Sharon Jondre | Arthur, N.D |
| Elaine Anderson | Buxton ND 58048 |
| Edith Thompson | Arthur N. Dak. |
| Florence Lake | Arthur N. Dak 58006 |
| Ethel Wischer | Arthur ND |
| Hefa Williams | Arthur N.D. |
| Clair Kingsley | Amenia N. Dak |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| [illegible] | Arthur, ND 58006 |
| [illegible] | Arthur ND 58006 |
| [illegible] | Arthur N.D 58006 |
| [illegible] | Arthur ND 58006 |
| [illegible] | Arthur, N.D. 58006 |
| Kenneth Hochhalter | Arthur, N.D. 58006 |
| [illegible] | arthur N.D 58006 |
| [illegible] | Hunter ND 58048 |
| [illegible] | Fargo ND 58102 |
| [illegible] | Arthur ND 58006 |
| James W. Krueger | Gardner N.D. 58036 |

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## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| [illegible] | Hillsboro N.D. Hillsboro |
| [illegible] | Grand Forks N. Dak Grand Forks |
| [illegible] | Grandin Hillsboro |
| [illegible] | Hillsboro, N.D. Bloomfield |
| [illegible] | Hillsboro N.D Bloomfield |
| [illegible] | Blanchard N.D Bloomfield |
| [illegible] | Blanchard N.D Bloomfield |
| [illegible] | Hunter N.D. Grandfield |
| [illegible] | Hillsboro N. Dak Belmont |
| [illegible] | Hillsboro N. Dak Belmont |
| [illegible] | Hillsboro N. Dak Belmont |
| [illegible] | Hunter N Dakota |
| [illegible] | Hunter ND. Belmont Twsp |
| Patricia Potter | 144N-BO-51W Sec 30 144N-BO-52W Sec 25 Belmont Twsp. Bloomfield Twsp. Hunter N Dak. |
| [illegible] | Arthur, N Dak |
| [illegible] | Arthur, N.D. |
| [illegible] | Arthur, N.D. |
| [illegible] | Arthur, N.D. |
| [illegible] | Arthur N.D. |
| [illegible] | Arthur, ND |

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**PETITION**

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Cynthia J Hanson | Bohnsack Township Hillsboro ND |
| Jean Peterson | Bohnsack Grandin |
| Ralph Thompson | Blanchard Greenfield |
| Boyd Thompson | Blanchard ND Greenfield |
| [illegible] | Hillsboro ND Bohnsack |
| Patricia Berke | Hillsboro ND Bohnsack |
| William D Matter 1448 CR 55 | Hunter ND Grandfield |
| Hyde Wimmer | Arthur N Dak |
| Lowell Albert | Erie N. Dak |
| [illegible] | Hunter ND |
| Eric Hedjon | Arthur N Dak. |
| Lorge to Collins | Arthur ND |
| Art Lindblad | Erie ND |
| X Eugene Johnson | Erie N.D |
| Ben Dunbar | [illegible] |
| Ula M Nesbe | Arthur N Dak |
| Margaret Bettchen | Arthur N. Dak |
| Lenette Schmidt | Arthur [illegible] |
| [illegible] | Hunter N.D |
| Mikee Theis | Arthur N. Dak. |

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**PETITION**

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Mike Porter | Hillsboro ND |
| Lawrence Knopik | Hillsboro ND |
| Dennis Stenson | Hillsboro N.D. |
| Brenda Mueller | Hillsboro ND |
| Brad Ebbighausen | Hillsboro, N.D. |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| [illegible] | Hillsboro, N.D. 58045 |
| Barb Bressy | Hillsboro, N.D. |
| Ingrid Hale | Hillsboro, N.D. |
| Gilford Hutchison | Hillsboro, N. D. |
| Lolonne Klemetson | Hillsboro, ND. |





## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| William Lusso | Grandin N Dak |
| Carl Kopp | Grandin N.D. |
| Jorgen Mickelsen | Hillsboro N.D. |
| Lyle Stoen | Grandin N.D. |
| Keith Hanson | Grandin N.D. |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Wm Burkholder | Hunter N Dak 58048 |
| Howard Bring | Galesburg ND 58035 |
| Gertrude Burkholder | Hunter ND 58048 |
| Ethel Bring | Galesburg ND 58035 |
| Bethania Howard | Hunter, N. D. 58048 |
| Eunice Olson | Hunter, N. Dak 58048 |
| Dorothy Teegarden | Hunter N. Dak 58048 |
| Dorothy Munch | Hunter N. Dak 58048 |





PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Dick Marvel | Hunter, N. Dak. |
| Bert Marvel | Hunter, N. Dak. |
| [illegible] | Hunter N. Dak. |
| Douglas Cryder | Hunter N. D. |
| Wallace Larson | Hunter |
| William Seiberg | Hunter, N. D. |
| Calvin Kircher | Hunter ND |
| Marvin Stibbe | Hunter N. D. |

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## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Edward Peyton | 402 11th Ave. SE Hillsboro ND |
| Dean Hjelburg | RR2 Box 88 Mayville, ND |
| Jim Dillebourg | 601 1st Ave NE. HILLSBORO |
| Andy Schneidman | RR2 Mayville |
| Leon Rambow | RR3 Hillsboro |
| Barry Olson | Hillsboro N.D. |
| Joe Fallebourg | Cummings N Dak |
| Doris Nelson | Hillsboro N. Dak |
| Bob Jungman | Finley, Minn. |
| Gene Helgaas | Box 705 Hillsboro, ND |
| Roger Silver | Box 542 Hillsboro N.D. |
| Ralph Miller | 115 N.W Davis Grand Forks ND. |
| Tom Byrne | Rte 1 Hillsboro, ND 58045 |
| David Thoreson | 118 1st. NE Hillsboro |
| Jeff Lyons | 2nd Main Bldg 203 Hillsboro ND 58045 |
| Charles H Jones | Box 11 Hillsboro N Dak 58045 |
| Leslie Hanna | 516 2 Ave NE Hillsboro N.D |
| Dennis Dunn | RR1 C53 Hillsboro ND |
| Burton Madson | Argusville, Dak 58005 |
| Allen Woodside | Hillsboro, N Dak 58045 |

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## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Kenneth H Wolla | mayville, no. Dak. |
| Earl Olson | Hillsboro, N. Dak. |
| Mark Johnson | Hillsboro, N Dak |
| Lorraine Allinder | Hillsboro N Dak |
| Shirley Warfield | Hillsboro No. Dak |
| Mike Fahrell | Fargo N D. |
| Robert M Lloyd | Hillsboro, ND |
| Mylod Coghlin | Hillsboro ND |
| Dan Jahn | N. Mpls Minn |
| Cindy M Murack | Plummer MN. |
| Jan Leyton | Hillsboro N.D. |
| Gail Livingston | Hillsboro |
| Linda Jensen | Hillsboro |
| Todd Kelley | Hillsboro |
| Bonnie Nelson | Hillsboro, N.D. |
| Joan Strand | Hillsboro, ND |
| Joann Haugen | Hillsboro N.D. |
| William Sprinson | Cummings, ND |
| Rebecca Sisseton | Portland, ND |
| Roger M Bird | Hillsboro ND |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Dennis Nilles | Hillsboro N. Dak |
| Larry D. Martin | Hunter N. Dak |
| Gary Smith | Cummings N D |
| Tim Mauch | Hunter, N.D |
| Henry Hauselanger | Hunter, ND |
| Debra Marks | Hunter, N. D |
| Jeff Kirby | Hunter, N.D. |
| Shirley Hudson | |
| Jay Winterquist | Grandin N.D. |
| Harmon G Barber | Gardner No Dak |
| Henry C Geothmann | Hillsboro N Dak |
| Jim Dahlstrom | Hillsboro N Dak |
| Bryan Dahlstrom | Hillsboro, N.D |

| Name | Address |
|---|---|
| Randy D Feiring | Hillsboro, N.D. 58045 |

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## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Dan Nilles | RR2 Box 7 Blanchard N.D. |
| Diane Nilles | Box 74 Caledonia, N.D. |



## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Charlene Ludwig | Hillsboro, ND 58045 |
| [illegible] | Hillsboro ND 58045 |
| Peggy Eichstaedt | Hillsboro N.D. 58045 |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Marlene J Deutscher | Cummings ND |
| Agnes Haugen | Maxville, N. Dak. |
| Verna Baldwin | Finley, N. Dak. |
| E B Baldwin | |
| Betty S Farmer | Maxville, ND |
| Marlys Spies | Maxville, ND |



## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| David Pfeifle | Maxville, ND |
| Ron Gack | Maxville, ND |
| Karen Brown | Blanchard N.D. |
| Lila Sauer | Hatton N.D. |
| Judith Baldwin | Maxville, N.D |
| Ruth Haven | Portland, N.D. |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Linda Nelles | 620 Locust St, W. Fargo ND |
| Mary Kubik | Casselton N Dak |
| Thomas Sullivan | Casselton, N Dak. |
| Grace Sorgen | Casselton N. Dak. |
| Josephine Langer | Casselton, N. Dak. |
| Eleanore Langer | Casselton, N Dak. |





PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| [illegible] | 1021 2nd St. N Fargo ND |
| Charles Hanson | 13 3rd ST. S.W. Hillsboro, N.D. |
| Gregory L. Cheyle | Box 366 Hillsboro ND |
| Ralph Hanson | Box 535 Hillsboro |
| Richard Flath | RR1 Box C-79 Hillsboro ND |
| Helen Flath | 124 2nd St. Hillsboro, ND |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Duane L Long | RR1 Box 15 Clifford ND 58016 |
| Larry Latham | RR1 Box 7 Clifford ND 58016 |
| Dave J Casselle | RR2 Box 12 Blanchard ND 58009 |
| Donna Hudson | Clifford N.D. |
| Lisa R Thompson | Clif[illegible] |
| John Knudsvig | Clifford, N.D. |
| Helen M Kringle | Clifford, ND 58016 |
| Sandra Sather | Sutton, N.D. 58035 |
| Mary L Gladson | Clifford ND 58016 |
| Mike Gladson | Clifford ND 58016 |
| Paul T Sather | Sutton N.D. 58035 |
| William E Thompson | Clifford, N.D. 58016 |



## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Vicki Rau | Hillsboro, ND |
| Sandy Matheson | Mayville, N.D. |
| Julie Barrett | Mayville, N.D. |
| LaVerne Matheson | " N.D. |
| David Manger | Hillsboro, N.D. |
| Thomas L Reed | Hillsboro ND |
| Brian D Nansen | Hillsboro, ND (Bolmark Twp) |
| Donald P Hansen | Hunter N.D. Bell Township. |
| [illegible] | Hillsboro N.D. |
| Debbie [illegible] | Hillsboro, N.D. |
| Mark Goddard | Hillsboro, N.D. |
| [illegible] | [illegible] |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Rebecca C. Mattis | Hunter, N.D. |
| Park Lake | arthur, ND |
| Kathy Lake | Arthur, N.D. |
| Mark Lake | Arthur ND |
| Benamin Lueske | Arthur, ND |
| Jodi Lake | Arthur, N.D |
| Brandon Burns | Sheldon, ND. |
| [illegible] | Fargo, ND. |
| Cindy Thelevant | Wishpeton, ND |
| Julie Wacquith | Fargo, ND |
| Scott Griffin | Fargo, ND |
| Amy Hathaway | Fargo, ND. |
| Julia Nelson | Fargo, ND |
| Barbara Hunter | Fargo, ND |
| Dana Nathe. | Fargo, ND |
| Morgan Rickard | Fargo, ND |
| Bradley Thomas | Fargo, N.D. |
| Eric P. Eugen | Fargo, N.D. |
| Shirley Stetler | Fargo, N.D. |
| Deb Enda | Fargo, N.D. |

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## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Joseph J Nilles | Blanchard, N.D. |
| Erma Peterson | Hunter, N.D. |
| Ralph Olson | Hunter, N.D. |
| Kenneth Kaelke | Hunter, N.D. |
| Lilian Kaelke | Hunter, N. Dak. |
| Alice Wenaas | Hunter, N. Dak. |
| Florence Schmeiser | Hunter, N.D. |
| Karl Schmeiser | Hunter N Dak |
| Kenneth Gronbeck | Hunter N Dak |
| Selma Hult | Hunter, N.D. |
| Edith VanEnkevort | Hunter, N.D. |
| Virginia Moen | Hunter, N.D. |
| Debra Mitzel | Hunter, N. Dak. |
| Marvellen Melander | Hunter, N.D. |
| Kristen Folk | Hunter N.D. |
| Magna Moen | Hunter N.D. |
| Randolph Moen | Hunter N.D. |
| Shelly Lien | Hunter, N.D. |
| Phyllis Brayton | Hunter, ND |
| [illegible] | Hunter 58048 |

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## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Sheri Nelson | Hillsboro |
| Marie Wavra | Hillsboro |
| Amanda Eley | Hillsboro |
| Lynn Lange | Hillsboro |
| Carl Halvorson | Hillsboro |
| Darcy J. Gjerstad | Hillsboro, ND 58045 |
| Evelyn A. Petrell | Hillsboro, ND 58045 |
| Carla Dunk | Hillsboro, N.Dak. |
| Ken Kyllo | Clifford ND 58024 |
| Alvin Engen | Hillsboro, N.D. 58045 |
| Steve Vetter | Cummings, N.D. 58223 |
| Nancy Olson | Hillsboro, N.D. |
| Dan Hamm | Hillsboro, ND |
| Debra Newton | Hillsboro N.D. |
| Ronald Moen | Reynolds, N.D. |
| Lori Paulson | Gateburg ND 58035 |
| Donna Oestreich | Grandin, ND 58038 |
| Dale Lusso | Hillsboro ND |
| Sandy Leum | Hillsboro, N.D. |
| John Paulson | Hillsboro, N.D. |



## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Orville Quamme | Hillsboro N.D. |
| Fred M. Pierson | Hillsboro, N. Dak. |
| Bernard L. Gill | Hillsboro ND |
| Virginia Jane Kopanger (2) | H. 701 236-4189 W. Hillsboro N.D. 58045-0097 |
| Kathy Kaiser | Hillsboro ND 58045 |
| Nancy Evanson | Hillsboro, N.D. 58045 |
| Everett N Christianson | Cummings N.D. 58223 |
| Patty Hanan | Hillsboro, ND |
| Mavis E. Thompson | Hillsboro, N.D. |
| James W. Oates | Hamlin N.D. |
| Wilbur Doering | Hillsboro N.D. |
| Ruby Reinpold | Hillsboro, N.D. |
| Harvey Dullum | Hillsboro, N.D. |
| Mary Dean Torgerson | Hillsboro, N.D. |
| Lorraine Reinpold | Hillsboro, N.D. |
| Ruth Siggstad | Hillsboro, N.D. |
| Mavis Hetterly | Hillsboro, ND |
| Priscilla A. Foster | Hillsboro, N.D. |
| Tiffany Humphreys | Hillsboro ND |
| Jennifer Hansmann | Hillsboro |

20

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Stephanie Kenny | Hillsboro, N.D. |
| Gene A. Hanson | Hillsboro, N.D. |
| Ted Swenson | Hillsboro N.D. |
| Jean Swenson | Hillsboro N. Dak |
| Paul Whiteman | Hillsboro N.D |
| Walter Mooney | Hillsboro N.D. |
| Doll Fox | Hillsboro N.D |
| Debbie Sumner | Hillsboro ND |
| Rebecca Byeddeker | Hillsboro ND |
| Wayne Bassett | Mayville N.Dak |
| [illegible] | Hillsboro N Dak |
| Kathleen Jacobson | Hillsboro N Dak. |
| Linda D Seeley | Grandin, N. Dak. |
| John L Sather | Hillsboro ND |
| Brent Fiel[illegible] | [illegible] |
| Maggie Goldade | Grassi N D |
| Rita Sitz | Hillsboro ND |
| Ron Jacobson | West Fargo N.D. |
| Jeff Monson | Gardner N.D. |
| Robert Bell | Gardner N. Dak. |

4-114

20

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Jeff Bloom | Grandin ND |
| Bob White | Hillsboro N.D. |
| Carol Beckwood | Grandin ND |
| Richard Mariner | Grandin N.D. |
| [illegible] | Hillsboro ND |
| Myron Haugerud | Hillsboro, N. D. |
| Elmer O. Jacobson | Hillsboro N.Dak. |
| Lou B Knutson | Hillsboro, N.D. |
| Larry Dawson | Hillsboro ND |
| Carol Dawson | Hillsboro |
| [illegible] | Hillsboro, No. Dak. |
| [illegible] | Hillsboro ND |
| [illegible] | Hillsboro ND. |
| [illegible] | [illegible] |
| Mike Lucas | Hillsboro, N.D. |
| Mark Watt | Hillsboro N.D. |
| [illegible] | Caledonia, N. D. |
| [illegible] | Hillsboro ND |
| Peggy Romo | Hillsboro, ND |
| Melissa Loeffler | Hillsboro, N.D. |

20

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Brian R. Bohnsack | RR1 Box 60 Hillsboro |
| Barbara Mueller | RR1 Box 51 Cummings, ND |
| Dellyn Buddaker | Hillsboro, N.D. |
| L. C. Preston | Hillsboro, ND |
| Gina Byam | Hillsboro N.D. |
| Dale R. Temple | Hillsboro ND. |
| Wells Mueller | Hillsboro N.D |
| Tom Ellis | Hillsboro N.D. |
| Luther E Throne | Hillsboro N.D. |
| Carl Farrell | Hillsboro N.D |
| Esther Ludwig | Hillsboro, N.D. |
| Wayne Dieckhoff | Hillsboro, N.D. |
| Harold Mayer | Hillsboro, N.D. |
| Don Meyer | Cummings N.D. |
| Curtis Ryan | Hillsboro, N.D. |
| Barbara Skoyen | Hillsboro N.D. |
| Lynn M Larson | Hillsboro N.D. |
| David L. Johnson | Hillsboro N.D. |
| Eugene Johnson | Hillsboro, N.D. |
| Norman Nelson | Hillsboro, N. Dak. |

4-115

20

PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| John Hamre | Box 36 Hillsboro, N.D. |
| Floyd Wright | Hillsboro, N.D. |
| Larry Smith | Rt 3, Box 24, Hillsboro, ND |
| Joel Hamre | Box 565 Hillsboro, ND. |
| Stuart McCoy | RR 2 Box 88 Hillsboro N.D. |
| Delores J Trigsbo | RR 1 Box C-20 Hillsboro N.D. |
| Robert Trigsbo | RT 2 Box C NG Hillsboro ND 58045 |
| Charles Anderson | Box 170 Hillsboro N.D. 58045 |
| Donald E Johnson | Cummings N.D. |
| Susie Anderson | Box 170 Hillsboro, N.D. 58045 |
| Mary Lee Lillehaug | 601 1st Ave. NE Hillsboro |
| Chelyn Meuchner | 217 3St. SE Hillsboro |
| Mrs Gilma McLean | 2325 Sibley Lane Grand Forks, N.D. |
| Mrs Velma Peterson | RR 2 Box C-74 Hillsboro, N.D. 58045 |
| Mrs Ruth Rossmiller | R 2 Box C-37 Hillsboro ND 58045 |
| Diane Munster | Hillsboro, N.D. 58045 |
| Kate Brunner | Hillsboro N.D. |
| R. R. Hellard | Grandin N.D. |
| B Eddy | Box 2274 Fargo N.D. |
| Margaret Preston | Rt 152 Grandin, ND 58038 |

20

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Jerry Lorengen | Hallsboro ND 58045 |
| Butch Wick | Hillsboro, ND |
| [illegible] | Hallsboro N Dk |
| Paula Iverson | Hillsboro, N. D. |
| [illegible] | Hillsboro, ND |
| [illegible] | Hillsboro, ND |
| Martin Olsen | Hillsboro, N.D. |
| Rebecca A. Foss | Hillsboro, N.D. |
| Mary D Gutzgard | Mayville, N.D. |
| Emma Carus | Galesburg ND. |
| Marilyn O. Lyon | Hillsboro, N.D. |
| Emil J Burkhard | Hillsboro N. Dak |
| Donna Christopher | Hillsboro N.D |
| Joyce Tankbarnel | Hillsboro N. D |
| Leland L. Sorum | Hillsboro N.D. |
| Marcia Nelson | Hillsboro N Dak. |
| Kitty Wick | Hillsboro, ND |
| Vernon Iverson | Mayville, ND 58257 |
| Carol Christianson | Hallsboro ND 58045 |
| Arlene Dahl | Hillsboro, ND 58045 |

4-116

20

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| LaVerne Skogen | Hillsboro ND |
| Virginia McLeod | Hillsboro, ND |
| Myla Stimson | Hillsboro N.D. |
| ~~Scot~~ a Lee | Hillsboro, N.D |
| Brenda Oasen | Hillsboro, ND |
| Joan Anderson | Hillsboro, N. D |
| Donna Oelrich | Hillsboro ND. |
| Marilyn Linde | Hillsboro N Dak |
| Myra Stimson | Hillsboro ND |
| Eunice Berthold | Hillsboro, ND |
| Julie Johnson | Hillsboro ND |
| Mary Easton | Hillsboro ND |
| Roger Heilmann | West Fargo N. Dak. |
| Marlin McLean | Hillsboro, ND |
| Michelle Christian | Hillsboro ND |
| Teddy Lee | Hillsboro, ND |
| Kyle Olson | Hillsboro ND |
| Robert Wilde | Hillsboro ND |
| Dee Bakken | Hillsboro N.D |
| Phyllis Nelson | Hillsboro, N.D. |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Rev. [illegible] Grady | Hillsboro, N.D. |
| [illegible] | Buxton, North Dakota Box 114 |
| [illegible] | [illegible] |
| [illegible] | Buxton, N.D. RT 1 Box 154 |
| [illegible] | Hillsboro, N.D. RR1 Box 61A |



## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Jack Dalrymple | Casselton, ND |
| Elizabeth W. Dalrymple | " |
| Hazel Larson | 1034 4th St. N.E. Hillsboro ND |
| Yolanda C. Farrell | 303 3rd St. S. E. Thompson, N.D. |
| Joyce Farrell | Hillsboro ND. |
| Roland O Farrell | Hillsboro N.D. |
| Chad Wilder | " " |
| Dennis Craig | Hillsboro, N.D. |
| Bruce W Ellingson | Hillsboro, N. Dak. |
| Walter Nygard | Hillsboro, N. Dak. |
| Judie Porter | Hunter, ND |
| Douglas L Buehre | 506 4th Ave NW Riverside, N.D. |
| Lu Ann J Buehre | 506 4th Ave NW Riverside ND |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Ron Deck | RR 2 Box 36 Hillsboro N.D |
| Randell Losse | PO Box Cummings N.D. |
| Ronald Porter | Grandin N.D. RR 1 Box 63 |
| Mark Podoll | Grandin N.D 58038 |
| Myrna Eckes | Grandin ND 58038 |
| Steve Porter | Hunter ND |
| Keith Porter | Hunter ND 58048 |



Bell Twp

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Morris Melander | Hunter, N. Dak. |
| Nis Ecker | Grandin ND |
| Egmil Hansen | Hunter, N. Dak. |
| Ida Hansen | Hunter ND |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Einar Ottesen | Hunter N.D. |
| Delores Ottesen | Hunter N.D. |
| Ruthie Ottesen | Hunter N. D. |
| A. R. Lee | Hunter ND |
| Clyde Olson | Hunter N.D. |
| Marlyn Anderson | Hunter, N. Dak. |
| Carl Porter | Grandin N.D. |
| Edward Mortensen | Hunter N Dak. |



## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Julie Zerface | Hillsboro |
| Joann Schlichtman | Hillsboro |
| Susan Reid | Hillsboro |
| William Schumacher | Hillsboro |
| Lorna Mooney | Cummings |
| Chris Garrett | Blanchard |
| Jan Leidholm | Hillsboro |
| Bernice Skrivseth | Cummings |

8

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Larry K. Thompson | Hillsboro, N.D. |
| Leigh D. Thompson | Hillsboro N.D. |
| Sharon E. Thompson | Hillsboro, N.D. |
| Michael J. Thompson | Hillsboro N.D. |
| Debbie Kress | Hillsboro ND |
| Donald Green, M.D. | Hillsboro, N.D. |
| Marlene Ebben | Hillsboro, ND |
| Liliane Dyrkstad | Hillsboro, ND. |



## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Roger Sherrett | Blanchard Greenfield |
| Sheila Sherrett | Blanchard Greenfield |
| G. Thompson | Hillsboro Rt 5 Box 6 |
| Eva Moore | Hunter |
| Betty Holes | Hunter |
| Charles Slater | Hunter |
| Nora Korup | Grandin |
| Robert Kennedy | Hunter |
| Ellen Kennedy | Hunter |
| Carl Korup | Grandin |
| Bernice Porter | Hunter |
| Eugenie Andri | " |
| Marie Larsen | " |
| Barbara Hansen | " |
| Jeanne Olson | " |
| Anita Erickson | Hunter, N.D. 58048 |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Curtis Satrom | Grandin, N. Dak. |
| Roy Satrom | Grandin, No Dak. |
| Rick Satrom | Grandin No Dak |
| Harold Stokke | Grandin, North Dak. |
| Mark Stokke | Grandin N. D. |
| Jeff K. Stokke | Grandin, N. D. |
| Steve Foster | Grandin, N.D |
| [illegible] | Grandin N.D. |
| Foster Satrom | Grandin N. Dak |
| Todd Satrom | Grandin N. D. |
| Don Kelly | Grandin N. D. |
| Marcus Porter | Grandin, N.D. |
| Nancy Winterquist | Grandin, ND |
| Winfred McFarlane | Grandin, N D |
| Jane Knaak | Grandin N. D. |
| Ronald Gallant | Grandin N. D. |
| [illegible] | GRANDIN, N.D. |
| Donald Usman | FARGO, N.D. |
| Joyce A. Johnson | Grandin, ND |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Darwin D. Wanzek | Hunter, N.D. |
| Kathleen Melcombe | Hunter, N.D. |
| George C. Grinbach | Hunter, N.D. |
| Phyllis E. Hoaye | Gardner N.D. |
| [redacted] | [redacted] |
| Linnea Balduck | Hunter, N.D. |
| Jena Thompson | Hunter N.D. |
| James Hoaye Sr. | Hunter N.D. |
| David Elliot | Hunter, N.D. |
| Vinnie Lerud | Hunter N Dak |

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| [illegible] | Fargo, N.D. |
| [illegible] | [illegible] |
| [illegible] | CANDO AND/OR FARGO N.D. |
| ALICIA LOO SAU CHING | RM 208, DINAN HALL, FARGO, ND |
| Teresa Sorke | Fargo ND |
| TAI KIM ENG | RM 208 DINAN HALL, FARGO ND |
| Karen Masner | 336 CERES HALL, FARGO ND |
| TEO PENG HENG | P.O. BOX 5114 FARGO ND 58105 |
| Angela Zaks | Bathua ND 58006 |

4-122

15

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| [illegible] | Hillsboro, N. D. |
| Jim McNamee | Hillsboro N.D. |
| Virgil McNamee | Hillsboro N.D. |
| Eymice Norlock | Hillsboro, ND. |
| [illegible] | Hillsboro N.D. |
| [illegible] | Hillsboro, N.D. |
| DeLoris W Biteman | Hillsboro N. D. |
| Evelyn Gehlsborg | Hillsboro, N. D. |
| [illegible] | Hillsboro ND |
| [illegible] | Hillsboro N.D. |
| Glenn McNamee | Hillsboro N.D. |
| Carla Steinberger | Hillsboro ND |
| Morris P. Smith | " " |
| Shirley McNamee | Hillsboro ND |
| Evelyn Davis | " " |
| [illegible] | Hillsboro, ND. |
| [illegible] | Hillsboro, N. Dak. |
| Casper T Bjorklund | Hillsboro N. D. |

2C

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Lana Langhad | RR2 Box 101 Gardon ND (Wisn) |
| Geri Jallet | RR 1 Box 31 Harvey, N D (Wells) |
| Joy McSparron | RR 1 Box 23 Brandon ND (Kidder) |
| Diane Winterquist | Box 140, Grandon, ND (Bell) |
| Lucian Radebaugh | 37 May Lane, Fargo (Cass) |
| Kitty Jallet | Rt. 1, Box 78, Grandin (Bell) |
| Glenda Smith | RR 1 Box 96 Cannington ND |
| Mavis Johnson | Box 114 Hillsboro, N Dak. |
| Margaret Smart | Box 36 Rt 1 Hillsboro |
| Russell Walen | RR 1 Box 71 Hillsboro |
| Mervyn Wilson | RR 1, Box 11, Hillsboro |
| Dorothy M Halvorson | RR 1 Box 105 Hillsboro ND |
| Kenneth A Halvorson | RR 1 Box 105, Hillsboro ND |
| Henry Schlegel | RR 1 Box 32 Hillsboro N D |
| Hazel Bud Jacobson | RR 1, Mayville N Dak |
| Ed Kirchmeyer | Rt 2 Box 102 Hillsboro ND |
| Francis Kirchmeyer | Rt 2 Box 102 Hillsboro ND |
| Beverly Jacobson | RR 1 Box 40 Mayville N D |
| Leon Sidecliffe | RR 1 Box 73 Hillsboro N D |
| Jeff L McGowan | RR 2 Box 140 Hillsboro N D |

4-123

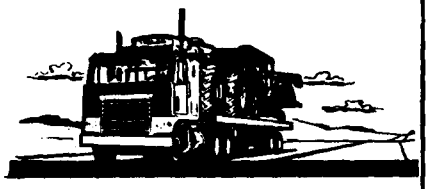
2C

## PETITION

We the undersigned, hereby oppose the construction of a receiver for the Central Radar System within the Blanchard Study Area as set forth in the Draft Enviromental Impact Statement dated August, 1986.

| NAME | ADDRESS |
|---|---|
| Lola R. Nyflenson | Hillsboro, N. D. 58045 |
| Sylvia Kyllo | Blanchard, N.D. 58009 |
| Kriss Erickson | Galesburg, N.D 58035 |
| Carole Halvorson | Galesburg N.D 58035 |
| [illegible] | Hillsboro, N.D. |
| Lowell Fuglsberg | Cummings, N.D. |
| Lydia E. [illegible] | Mayville, N.D. |
| Deborah Kyllo | Portland, N.D. 58274 |
| Deborah Fuglsberg | Mayville, N Dak 58257 |
| [redacted] | [redacted] |
| Ingrid Moser | Mayville N Dak |
| Verna Mae Seidal | Mayville, N. Dak. |
| Norma Hoyhtan | Mayville N. D. |
| Lulu Johnson | Mayville, N. D. |
| Esther Kozojed | Mayville N. D. |
| Opal Strand | Portland, N.D. |
| [illegible] | [illegible], N Dak |
| Kathie Lee | Hillsboro ND 58045 |
| George Hennessy | Valley City, N.D. |
| Clara Jorgenson | Mayville N. D. |

(Signed in Mayville)



**BERTSCH Trucking, Inc.**

OTTO C. BERTSCH, President

HILLSBORO, NORTH DAKOTA 58045
701 - 436-4100

RECEIVED
27 Oct 86

October 16, 1986

Lt. V.G. Brown
U.S. Air Force
Electronics Systems Division
Air Force Systems Command
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

Attached is a copy of our ICC authority which allows us to haul "machinery, metal products, construction and building materials, lumber and wood products, and size and weight commodities".

There is a proposal to put in a OTH-B Radar System in Blanchard, North Dakota. We are only 10 miles east of Blanchard. We are also only 35 miles south of Grand Forks, North Dakota and 35 miles north of Fargo, North Dakota.

If we can haul anything for the U.S. Air Force, please let me know.

Thank you.

Sincerely,

BERTSCH TRUCKING, INC.

Otto Bertsch

Otto Bertsch

OB/cb

Enclosure

4-124

CONTRACT CARRIER OF Versatile FARM IMPLEMENTS

PM-31
(Rev. 10/84)

INTERSTATE COMMERCE COMMISSION

CORRECTED PERMIT

SERVICE DATE
AUG 4 1986

MC-135045 Sub 4 *

BERTSCH TRUCKING, INC.
(Hillsboro, ND)

This Permit is evidence of the carrier's authority to engage in transportation as a contract carrier by motor vehicle.

This authority will be effective as long as the carrier maintains compliance with the requirements pertaining to insurance coverage for the protection of the public (49 CFR 1043); the designation of agents upon whom process may be served (49 CFR 1044); the execution of contracts (49 CFR 1053)*; and for passenger carriers, tariffs or schedules (49 CFR 1300 through 131

This authority is subject to any terms, conditions, and limitations as are now, or may later be, attached to this privilege.

The transportation service to be performed is described on the reverse side of this document.

By the Commission.

Noreta R. McGee
Secretary

(SEAL)

*While the execution of contracts must be accomplished, it is unnecessary to file them with the Commission.

NOTE: If there are discrepancies regarding this Permit, please notify the Commission within 30 days.

MC-135045 Sub 4 *

To operate as a contract carrier, by motor vehicle, in interstate or foreign commerce, over irregular routes, transporting machinery, metal products, construction and building materials, lumber and wood products, and size and weight commodities, between points in the United States (except Alaska and Hawaii), under continuing contract(s) with commercial shippers or receivers of such commodities.

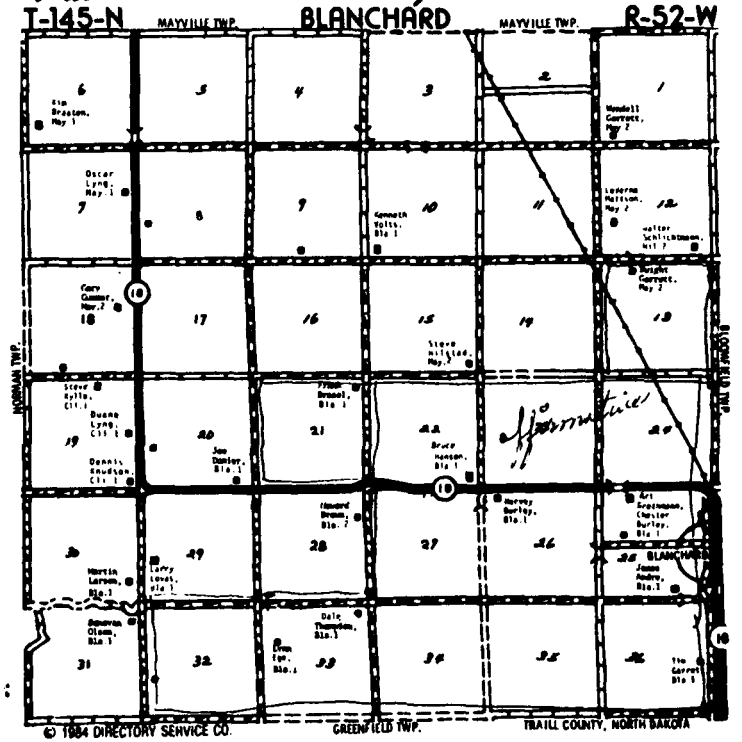
* This permit corrects and cancels Permit MC-135045 Sub 4, served July 10, 1986, and is issued to reflect correctly the authority granted to applicant herein.

4-125

RECEIVED
28 OCT 86

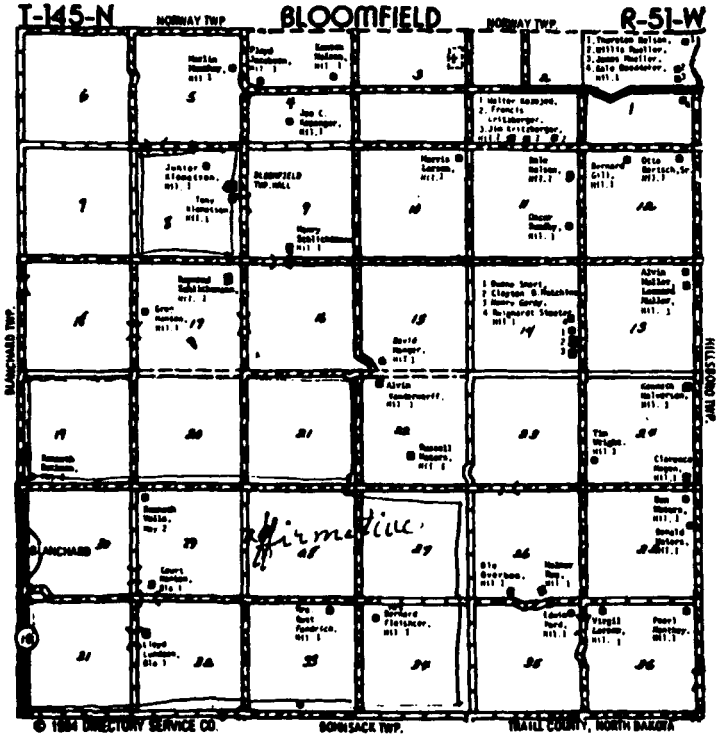
16 Sirs;

We invite you to Blanchard Township system and all. Petitions were placed in the P.O. Store, Elevator and bar and received no signatures.

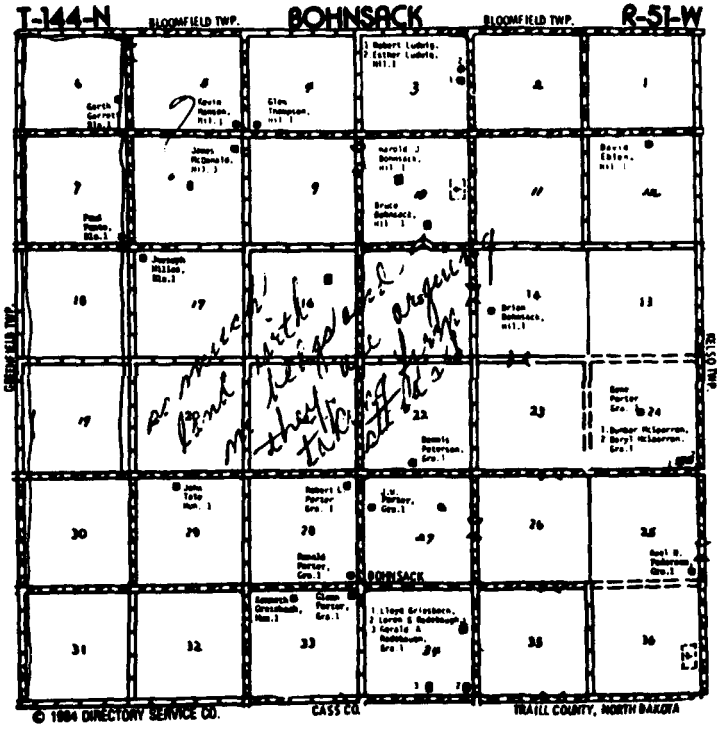



Many from Bloomfield and Bohnsack townships also agree - it is a vital part of our existence and necessary for the U.S.

17




18




Sincerely,
Mrs. H. Oesterreich
Blanchard
N. D. 58009

RECEIVED
30 Oct 86

October 15, 1986

Lt. V. G. Brown
United States Air Force
Electronic Systems Division
Air Force Systems Command
Hanscom AFB, MA 01731-5000

G3

TO WHOM THIS MAY CONCERN:

Please reconsider plans for the OVER THE HORIZON BACKSCATTER CENTRAL RADAR SYSTEM presently planned for eastern North Dakota. We are farmers and it is the only thing we have ever done. We are in our 40's and other occupations at this stage of the game are scarce as you must know. Our property has been homesteaded by my husband's great-grandfather and our only son who is 17 plans to farm following us. The land we live on is prime farm land. Wheat runs at 60 bushels per acre often. We have heard of other areas that would give anything to have this construction built into their communities as the land there is much less condusive to ideal farming. Again, please reconsider. We will not give up without a real struggle. We can't.

Sincerely,

Wayne & Virginia Satrom

Wayne and Virginia Satrom
RR 1 Box 70
Galesburg, North Dakota 58035

VS/va

4-127

RECEIVED
31 Oct 86

A:\DEIS1028.OTH

northern grown prairie grass seed

**HIGH QUALITY CERTIFIED GRASS SEED**

**ROGNE SCHUMACHER SEEDFARM**
RR 2, Box 231 Kindred, ND 58051

HQ Electronics System Div., SCO
Attn: Lt. V.G. Brown
Hanscom AFB, MA 01731

G2, G6, G8

Oct. 29, 1986
Re: Commentary: DEIS, OTH-B, CRS

Dear Lt. Brown:

Due to the time constraints demanded by my farming operation, this commentary on the Draft Environmental Impact Statement, Over-the-Horizon Backscatter, Central Radar System will of necessity be brief. If the comment period extension request is accepted by the Secretary, I will send an addendum to this letter.

I have three major areas of comment: socio-economic effects, health effects and need of the project itself.

A: Socio-economic effects:

As in many government projects, the DEIS underestimates local socio-economic costs and overestimates project benefits. This is complicated by the fact that most of the costs would be demanded of the rural segment of the community and most of the benefits would accrue to the urban one. This rural-urban split is especially noticeable in the Thief River Falls project site. 103

The economic analysis in the DEIS of costs and benefits due to the reduction in farmland and introduction of government salaries and construction expenditures is very weak. Data to support a net economic benefit as claimed has not been supplied within the DEIS. Economic variables have not been well defined, and the project's economic effect over an extended period of time, such as 50 or 100 years as is commonly used in public works project analyses, has not been done. The economic multiplier effect onto the entire community of a primary productive industry, such as farming, which is involved in the production of "new wealth" forming the basis of a regional economy has not been used in the DEIS calculations. Use of simple net farm return figures is inadequate for the determination of true community losses.

The amount of labor and construction materials for the project to be drawn from the local or regional pool has not been determined in the DEIS. There is also no commitment that ongoing maintenance and security personnel would be civilian and be hired locally. 104

B: Health effects:

Direct, non-thermal effects of non-ionizing radio frequency radiation has not been adequately covered in the DEIS. The methodology of using averaged electromagnetic field power density levels rather than actual levels is defective. I also have strong reservations about the use of an attenuation factor of 1/R4 for determining ground wave EMF density, since the soils in this region have very high ground conductivity levels. 105

The calcium efflux effect discovered by W. Ross Adey has been summarily dismissed in the DEIS with the comment that it doesn't apply since the transmitted signal will not be AM modulated. Although it is true that the main modulation will be FM, a 10 to 60 hz. sawtooth modulation of the FM will be used. This is close enough to the sinusoidal waveform used in Dr. Adey's experiments and the lower half of the sawtooth modulation is within the 9 to 35 hz. calcium efflux "window." Adey's research has shown definite effects with very low power density levels and short durations of exposure. As of yet we have no longterm exposure studies; however, the Air Force is willing to expose large numbers of people to constant ELF modulation without admitting the possibility of detrimental health effects. 106

Other adverse health effects, such as depression of the immune system, behavioral changes, etc, have also been reported in the medical literature. The DEIS deals with this by pointing out that most of these studies have been done in eastern Europe and the Soviet Union, that we can not be certain of their methodology, and that effects noted, although at low power levels, have been at levels above the expected averaged groundwave levels. Again let me note that the studies done so far have been done over comparatively short time duration, and it is possible that future studies will show effects at extremely low power levels when they have been applied over a long time duration. Also the eastern Europeans have been studying modulated RFR, whereas most Americans have only been studying continuous wave RFR. It is almost unnecessary to note that modulated RFR is the most common form in use worldwide. 107

The DEIS does not address the cummulative effect of adding the OTH-B transmissions to existing RFR from commercial broadcasting, military and weather radar, microwave relay stations, etc. The Environmental Protection Agency, recognizing that many commercial broadcasters are exceeding presently allowable EMF power density levels and that present standards may be too high, has begun the process of re-evaluating guidelines for limiting public exposure to RFR from broadcast sources. I am sure that we will be hearing much more about this in the future. 108

Dr. Bjorn Nordenstrom, in his book Biologically Closed Electric Circuits, has argued that animals have an additional circulatory system, an electrical one. If his theory is correct, then there is even more to be concerned about the RFR effects of the OTH-B system. It has been less than 50 years since the earth's RFR environment was significantly increased and made more complex over what had been the case for billions of years. The longterm effects of this man-made RFR are generally unknown. 109







C: Project need: 110

The DEIS does not mention the General Accounting Office's 1983 evaluation questioning the need for this project. This year the GAO reaffirmed its earlier decision and has recommended that Congress not fund the Central Radar System. I have not received copies of these studies yet; however, I have my own questions about the need for the CRS.

I find it hard to understand how the Air Force will be able to make sense of the huge amount of data that would come in. If the system would pick up every flying object within a 2000 mile radius over 2400 of arc, how will the Air Force determine the nature of each of those objects? Will the CRS command headquarters have the flight plans of every private, commercial and military flight? What of unfiled flights, weather balloons, crop sprayers? I don't believe that polling IFF will be a workable alternative with this system. This system will result in a radar screen full of unidentified or unidentifiable blips, a case of "sensory overload." There would not be enough interceptors available to scramble to visually determine the nature of all unknown flying objects, or even a significant percentage of them. 111

However, a visual form of identification is presently available: satellite surveilance. If commercial remote sensing satellites already have 3 to 5 meter resolution, and military satellites have under 1 meter resolution (as I have heard), then the technology is already present to do the kind of surveilance the Air Force believes it requires and is attempting to do with its CRS. Nightime and cloudy weather satellite remote sensing is possible using infrared bands. Satellite surveillance would also not be made as easily obsolete by Stealth technology as the OTH-B system would. 112

In addition, the Central Radar System is basically redundent. Its stated purpose is to provide coverage close to the coasts where the east and west systems have blind spots. Those areas are already covered by existing line-of-sight radar. The CRS adds very little to our potential wartime knowledge base. Perhaps it could be argued that the east and west systems add to our ability to discover hostile aircraft, since they give us radar capability we don't presently have. I do not believe the same could be said for the CRS. 113

In conclusion, I believe that the OTH-B, CRS is not a justifiable military expenditure, especially when one considers the potential it has for serious negative health effects over a very large geographic area and population.

Thank you.

Sincerely,

Fred Schumacher

October 27, 1986

NOV 03 1986

HQ Electronic Systems Division
OTH-B Systems Program Office
Attn: Lt. Virginia G. Brown
Hanscom AFB, MA 01731

G8

Dear Lt. Brown:

Recently the U.S. Air Force requested public comments on the proposed Central Over-the-Horizon Backscatter radar system. This letter contains my comments on that proposed project.

4-129

To evaluate the possible health effects of exposure to radiofrequency radiation from the radar, I reviewed Environmental Health Criteria 16: Radiofrequency and Microwaves (World Health Organization, Geneva, 1981), the recent proposals by the U.S. Environmental Protection Agency to control public exposure to radiofrequency radiation (51 FR 27317; July 30, 1986), and the sections on health effects in the draft



environmental impact statement for the proposed radar. Based upon my review of those documents, it appears that there are substantial gaps in knowledge about the health effects of radiofrequency radiation. Those gaps include the following:

1. Reliable dose-response data aren't available for many of the effects of exposure to radiofrequency radiation.
2. Very little is known about the low-level and nonthermal effects of radiofrequency radiation or about the effects of chronic low-level exposure to radiofrequency radiation.
3. Little is known about the effects of radiofrequency radiation upon the incidence of tumors and cancer.
4. There is only limited information about which portions of the general public might be the most sensitive to radiofrequency radiation.

In a situation like this where the health effects of radiofrequency radiation aren't that well understood and where some of the potential health effects of radiofrequency radiation could be fairly serious (such as the induction

of tumors), it makes sense to give the benefit of the doubt to the safety and health of the general public by making sure that the public will receive as little radiation as is reasonably achievable. This is in accordance with the World Health Organization recommendation (in section 1.2.6.2 of Environmental Health Criteria 16 Radiofrequency and Microwaves) to keep the exposure of the general population to radiofrequency radiation as low as readily achievable and is in accordance with the widely accepted philosophy in health physics of keeping exposure to radiation as low as reasonably achievable.

The difficulty in this is in defining what level of exposure to radiofrequency radiation is reasonably achievable. How I approached that determination was to look at existing radiofrequency exposure standards for industrialized countries like the U.S. and to assume that all of the radiofrequency exposure standards currently in effect in those countries are achievable and practical standards (ie, standards that are not hard to comply with). To estimate what exposure





might be the lowest that is reasonably achievable, I picked the value used in the most conservative of the standards. That value, which is the one currently in use in the U.S.S.R., is an exposure limit to the general public of a maximum power density of 0.01 $mW/cm^2$.

114

To keep the exposure of the general public to radar radiofrequency radiation as low as reasonably achievable, I recommend that the following actions be taken:

1. The transmit site should be designed so that the maximum power density near ground level at the exclusion fence would be at or below 0.01 $mW/cm^2$. In practice, what this would mean is that the exclusion fence for the transmit site should be on the order of 3.4 miles away from the antenna faces instead of the 4000 feet proposed in the draft environmental impact statement and on the order of 3000 feet away from the back sides of the antennas.

2. It is also recommended that pilots, including operators of agricultural spraying aircraft, be advised against flying within the area enclosed by the transmit site exclusion fence. That will help to minimize their exposure to the radiofrequency radiation from the radar.

Thank you for the opportunity to submit comments about this project. I hope that the comments and suggestions in this letter will be useful to you.

4-131

Sincerely,
Jim Killingbeck
Jim Killingbeck
624 S. Hannifin Street, Apt. 4
Bismarck, ND 58501

ARTHUR G. BILDEN, MAYOR — JORDAN KORDAHL, CITY AUDITOR

# CITY OF NORTHWOOD

Northwood, North Dakota 58267

RECEIVED NOV 0 3 1986

October 27, 1986

G6, G8

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

RE: Over The Horizon-Backscatter Central Radar System

Dear Lt. Brown:

The City of Northwood is deeply concerned about the proposed OTH-B Central Radar System and hereby opposes its location in this area.

First, this radar site would remove land from the tax rolls. With the recent decreases in revenue from other government entities we cannot afford to give up this source of tax revenue.

Second, this radar site would remove prime agricultural land from crop production. As a rural agricultural community we are already depressed. To take away our land, our greatest resource, would be unfair to us as well as to all who depend on us.

Third, the potential environmental and health hazards resulting from a radar site in this area could be a fatal blow to the community. No amount of benefits that may result from an OTH-B radar site in this area can justify this type of costs.

In the best interest of Northwood and the surrounding community we are compelled to state our opposition to location of the proposed OTH-B Central Radar System in this area.

Yours truly,

CITY OF NORTHWOOD

Arthur G. Bilden
Mayor

jk

G2, G3

Oct. 27, 1986

RECEIVED
NOV 03 1986

Ash Grove Farm
Aneta, ND 58212

Dear Lt. Brown,

It seems to me that placing the site for comments with some obscure Lt. V.G. Brown in the faraway State of Mass. is part of a policy to discourage public comment On the Backscatter system. You probably realize that if you tried to plant bombs out here now, as you did in the 60's, you'd have a lot more trouble.

We live in the Goose River Area west of Northwood. Our farm has been operating for over 100 years We do not plan to give up one acre for Backscatter without a fight.

That is an emotional Statement but there are many facts which mate this area a poor place for the System.

1. Prime Farmland
2. Hills, uneven terrain, wetlands
3. very much in the Central Flyway

I am very much opposed to having this Scat Upon the land located in this area or anyother area of this type. In these troubled farm times this is the last thing we need to contend with!

Please reconsider the whole Backscatter system. Are you sure you need to spend the taxpayer's money in this way?

Sincerely,

Fanny Walte
(Mrs Herbert Walte Jr)

4-132

First State Bank
P.O. Box 6, Ph (701) 883-5321
Omega City Plaza, LaMoure, ND 58458

G3, G4

RECEIVED
NOV 05 1986

October 30, 1986

H.Q. Electronics
Systems Division
OTH-B Systems Program Office
Attn: Lt. V.G. Brown
Hanscom AFB, MA 01731

RE: Central OTH-B System.

Dear Lieutenant Brown,

Thank you for sending the Impact Statement concerning the above project. Our community is interested in being considered as a possible site for the location of the project. We would appreciate receiving from you information regarding the procedure involved in submitting a request for consideration.

Thank you.

Sincerely,

Leslie O. Nesvig
President

ms

# City of HILLSBORO

Hillsboro, North Dakota 58045

October 28, 1986

RECEIVED
NOV 0 5 1986

Lt. V.G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Lt. Brown:

The Hillsboro City Commission, at their last regular meeting, was approached by the "Concerned Citizens Opposing the Central Radar System". The Commission has agreed to provide the Hillsboro Armory, gratis, so that Air Force and Government officials may hold a public meeting concerning the Central OTH-B Radar project.

Please let us know ASAP if you concur with such a meeting and, if so, the date and time so that we can make the proper arrangements.

Sincerely,

James Brekke

James Brekke, City Auditor
P.O. Box J
Hillsboro, ND 58045
Ph: (701) 436-4620

jrb

c: James Bugge, Mayor

THE HEART OF THE RED RIVER VALLEY

4-133

RECEIVED
NOV 0 5 1986

October 30, 1986

G3, G4, G5, G6, G7

HQElectronic Systems Division/SCO
OTH-B Systems Program Office
Attn: Lt. V. G. Brown
Hanscom AFB, MA. 01731-5000

Dear Sir:

Although we are not in disagreement with the Air Force setting up a new radar tracking system, we are in opposition to any sites selected in the Red River Valley for the implementation of the Over-the-Horizon Backscatter radar system, in particular the Blanchard study area. The argument being that we are taking the most productive farmland in the world and not using it to its fullest potential of producing food crops for the human population. Productivity for humanity must come before wildlife concerns and ease in the physical set up of the site. In regard to long range planning, the government is misusing this rich, naturally organic balanced soil that the world has come to depend on for one of its primary needs-food. This action is but another "cog in the wheel" of dehumanizing the common man"s existence. We are in agreement with Blanchard, Galesburg residents when they suggest that marginal or government land be put to use within a radius of fifty miles of Grand Forks. We cannot continue to take and misuse natural resources without repercussions in the future.

Yes, we do have a very personal concern. The government is taking away property that is invaluable. No dollar amount equals the value of this prime farmland. This land provides income for our Mother. If the government buys the land, we will lose about one third of the monies to Capital Gains Tax. This is not an equal trade. The monies received should reflect the market value of the land and the amount of the Federal Capital Gains Tax which must be paid.

My Grandfather, a Norwegian immigrant, worked on the Blanchard Farm during the Bonanza operations in the 1880's, purchasing and homesteading 160 acres of this quality land. During the Depression, my Father and Mother labored long and hard to pay the debt owed to family members so that they in turn could be landowners. They were able to purchase eighty additional acres of this valuable land. We are destroying our American heritage when we use our natural resources for the wrong purpose. We have instilled in our children the importance of caring for and respect for the property we own. With lifestyles becoming so fragmented, it may be crucial for people in the future to be able to "go back to the land."

Below are other concerns for the adjoining agricultural land that the Environmental Impact Statement has not fully addressed:

1. What effect is the site going to have on the rural road system? What inconveniences are going to result? For example, transferring machinery from land on one side of the site to land on the other side of the site.

2. What is going to be done to control noxious weeds on the site? Grasslands will not automatically appear.

3. What specific plans have been made to accommodate the drainage of surface water if the Blanchard site in particular is chosen. Will it change the channel of the Elm River branches?

4. If the land is leased and the radar site abandoned in the future:
   a. What period of time will elapse after abandonment before the land will be returned safely to agricultural use?
   b. Who will be responsible for the removal of abandoned equipment and structures?

We are not in opposition to the OTH-B, but there must be an alternative location where untillable land could be used.

Sincerely,

Mrs. Emelie (Berkas) Femrite

Mrs. Emelie (Berkas) Femrite
8709 Beard Rd.
Bloomington, Mn. 55431
(Tel.) 612-831-4796
Landowner, Blanchard site

4-134

# International Union of Operating Engineers

LOCAL UNION NO. 49, 49A, 49B, 49C, 49D and 49E
MINNESOTA • NORTH DAKOTA • SOUTH DAKOTA (East half)

JOHN J. LACKNER, *President*
JAMES E. BOEMER, *Vice President*
JOHN M. SCHOUVELLER, *Recording-Corresponding Secretary*
JON R. PENDZIMAS, *Treasurer*

Affiliated with A.F.L.-C.I.O.

FRED P. DERESCHUK, *Business Manager-Financial Secretary*
2829 ANTHONY LANE SOUTH — MINNEAPOLIS, MINNESOTA 55418
Phone: (612) 788-9441

RECEIVED
NOV 07 1986

October 28, 1986

Arden N. Grundvig, B.A.
P.O. Box 1715
Grand Forks, ND 58206-1715

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Lt. Brown,

I have attended both public hearings on the Back Scatter Radar system proposed for this area. I listened to much testimony, mostly from opposition with no real reason except just being against it. A few had some very valid concerns which i am sure will be checked out thoroughly.

I am a Union representative with no personal interest. However, I look at it from the stand point of common sense, (I hope), regarding the stratigic location as was well explained at the hearings and the necessary back up provided by the Air Force Base itself, both being very essential to our well being and for the total protection of our nation including all the citizens in other parts of our country as well as here.

It will enhance the economics of the entire area with the construction work for many skilled tradesmen and the continued operation and maintenance work when the system is operational. My personal opinion and that of many friends throughout the general area, is that it should be built in the area most desireable for our naticnal defense, where ever that location may be.

Thank you for the opportunity to express by position as it would have been hard to do at the hearing with so many others that live in the proposed areas and the late hour.

Respectfully,

Arden N. Grundvig

Arden N. Grundvig
Area Representative
Int'l Union of Operating Engineers
Local 49



RECEIVED
11-18-86

# Dakota Public School District No. 3


Hunter, ND 58048
HAL HABERMANN, SUPERINTENDENT
874-2266

Dakota Elementary
Hunter, ND 58048
Dolores Carpenter, Principal
874-2322

Dakota High School
Arthur, ND 58006
Ronald Fried, Principal
967-8344


November 12, 1986

G4, G6, G9

Lt. V.G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Lt. Brown:

4-135

The Board of Education of Dakota School District #3 would like to thank you for sending us a copy of the Environmental Impact Analysis of the proposed construction of the Over-The-Horizon Backscatter Radar Program. We also thank you for scheduling another hearing to allow us to learn more about the proposed system and have our concerns addressed.

In preparation for the hearing at Hillsboro, November 8, 1986, we have prepared the following data relating to the portions of our school district lying in the Blanchard study area as outlined. Attached is a photocopy of this area with our school district land area superimposed. As you will note, portions or all of 41 sections lie within the Blanchard site. Six families of our school district with their ten children live within this area.

A typical section of land (640 areas) in Bohnsack township within this area generates approximately $1850.00 dollars of tax for our school district each year. This translates to about $2.89 per acre. If a minimum of 2400 acres is removed from our tax roles for a receiver site as proposed, this would mean a tax loss to our district of $6936.00 per year. If families with students in school are displaced, it would mean an additional loss of $1555.00 per student of state per pupil support in foundation and tuition apportionment payments. As you can see, the monetary loss to our district is significant and is a concern for us.

We would like to have you address the following questions either by letter or at the hearing at Hillsboro on November 18th:

1. How many families might be displaced by the actual location of the receiving site here? | 115


PRESIDENT OF BOARD
Kenneth Lewis
Hunter, ND 58048

CLERK OF BOARD
Mrs. Mary Marvel
Hunter, ND 58048

BOARD MEMBERS
O.I. Aamodt
Peter Landwehr
John Porter
Gregory Rudolfo
Charles Ross, Jr.
Peggy Williams




2. Is the loss of the tax base permanent or will there be compensatory impact aid allocated to the school district? If so, how much impact aid can we expect and how long will it be allocated?

3. Will the land be leased or sold to the federal government?

4. How will bus radio communications be effected, especially if our bus has to travel on the north side of the site? How near to the site will we experience radio interference?

5. What kind of an influx of families might we experience in the school district during the construction period and when the site is operational? Would the families be living in our school district, in Hunter or Arthur, in temporary housing on the site, or will they be living elsewhere, i.e., Hillsboro, Grand Forks, etc. How many children might we expect during the construction period and permanently thereafter? | 116

We thank you for your attention to these questions. We look forward to your response either by letter or at the meeting. A delegation of the Board of Education of Dakota School District will be present for the hearing.

Sincerely,

Hal Habermann
Superintendent

HH/re

Encl
as

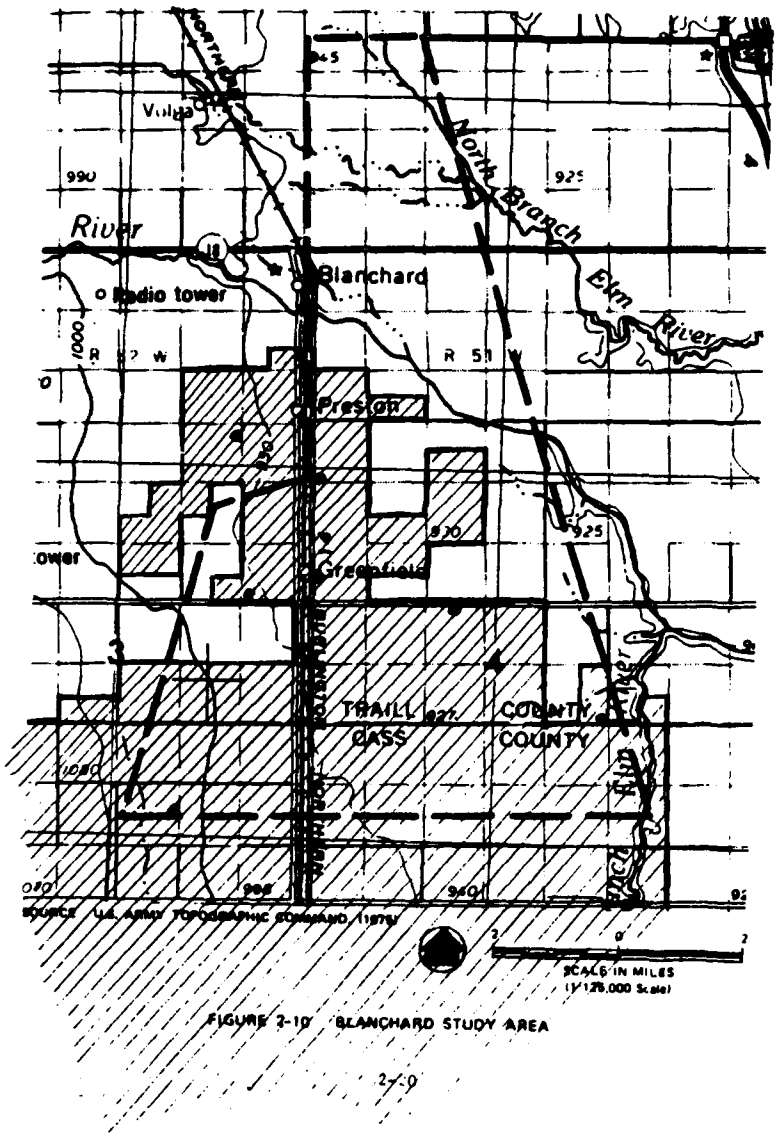



FIGURE 2-10 BLANCHARD STUDY AREA

24 NOV 86

Nov. 15, 1986

G1, G3

Department of Air Force
Lt. V.G. Brown ESD/SCO
Hanscom Air Force
Mass. 01731

Gentlemen:

As land owner of SW¼ 4-143-51 Bell Township, Cass County, North Dakota, for reasons outlined in our informal Nov. 14 phone conversation, I formally request you to eliminate from your consideration the purchase of this land. It is not for sale, and will remain property of our family.

Please acknowledge receipt of this letter.

Very truly yours,

John Thomas Kenny
8 Dawson Ter.
Lexington, N.J. 07039

# Cavalier Rural Electric Cooperative, Inc.

*"Do It Electrically"*

MEMBER

Dial 256-5511

*Serving In Cavalier and Ramsey Counties*
Langdon, North Dakota 58249

November 12, 1986

RECEIVED
24 Nov 86

James A. Lee, Colonel, USAF
Director
OTH Radar Systems Directorate
Department of the Air Force
Headquarters Electronic Systems Division (AFSC)
Hanscom Air Force Base, MA 01731

G3

RE: COTH

Dear Colonel Lee:

It is evident the Air Force is running into opposition with regard to locating the OTH Radar system in the Hillsboro and Thief River Falls areas.

The Air Force may want to evaluate the abandoned ABM - MSR site at Nekoma for location of the OTH system.

Sincerely yours,

CAVALIER RURAL ELECTRIC COOPERATIVE, INC.

Duane L. Otto, Manager

DLO/las

4-137

Comments Central Radar System — Township Board Member

Nov 18, 1986
Hillsboro, N.D.

Ronald Porter
RR 1 Box 63
Grandin, N.D.

G5, G6

I oppose location of reciever here!

The DEIS book page 4-9 says "Blanchard study area very flat and would not require grading or alteration of the drainage patteren of area"!

This is wrong

Any ateration of roads will change the drainage. Also the slope of 1 to 3% will cause faster run off in certian places.

The DEIS has not adequatly studied the drainage problems in the Bohnsack (144N 51W) township.

Every year more drainage problems occur in our township. The water is moving quicker from the west droping into our township and because of the flat land we are flooded.

Changes in the roads and ditches can only bring more flooding problems for farmers and township government.

Township taxes will have to be increased to cover the loss of revenue from the radar site and to continue to provide funds for roads and drainage.

RECEIVED
02 DEC 86

RECEIVED
DEC 08 1986

46 Fisher Street, P.O. Box 444
Fort Fairfield, Maine 04742
November 28, 1986

G1, G4, G8

ESD / SCO
Hanscom AFB, MA 01731

Att: Lt. V.G. Brown

On November 14, I received correspondence from the Office of Intergovernmental Assistance in Bismarck, N. D. concerning a hearing which was to be held in Hillsboro, N. D. on November 18, 1986. I replied to this letter with questions regarding the "Over the Horizon Backscatter Radar System. It was their office which referred me to you in the hope that I might have more information with regard to the Central OTH-B Radar System.

As an out-of-state landowner, I have questions:

a) Will it depend upon location as to the purchase or the lease of the land involved?
b) If land is purchased for the necessary installation, will mineral rights to the property be retained by the original land-holder?
c) What effect will the radar have on the environment; such as, crops grown in the area, people, air etc.
d) Will farming continue in the areas described in the impact study?
e) What type of installations are necessary in the project?

My comments include:

a) There should have been contact with all landowners involved before the hearing was set so that we could have had a representative present to speak for those of us who live out-of-state.
b) There may be a day when I or my family wish to again reside in North Dakota.
c) I would certainly be opposed to such a project suggested if it would upset the present community life for the present or future years.
d) I understand that the eastern OTH-B radar installation is in Maine; matter of fact, my family visited the site some years ago, I believe - near Bethel, ME. Has there been any study regarding the high incidence of cancer in Maine reported in the past 10 years to radar?

I hope to be hearing from your office in regard to my questions.

Sincerely,
Mrs. Isabelle Nehring

4-138

117

RECEIVED
DEC 09 1986

Route #2, Box #13
Hope, ND 58046
December 1, 1986

CERTIFIED MAIL--RETURN RECEIPT REQUESTED

G3, G4, G5, G6, G7

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731-5000

Re: Over-the-Horizon Backscatter Central Radar System

Dear Lt. Brown:

As taxpayers living in Colgate Township in Steele County, State of North Dakota, we are concerned and oppose the construction and operation of an Over-the-Horizon Backscatter Central Radar System in eastern North Dakota that would include a part of Steele County which is in the study area for the following reasons:

1. Excellent farm land would be taken out of production. Also, some of the land in the study area is already owned by the U.S.A. (Wildlife),
2. Loss of tax money to our county, school districts and townships if the land is sold to the government,
3. Or, if land is leased by government rather than purchased, would it pay enough rental so that the owner would be able to pay the taxes and have a good living. Present rental rate per year is $45 to $60 per acre,
4. Foundation Aid would be lost for those school children displaced,
5. Economic impact on area businesses because of loss of farmland and displaced families,
6. Snow catch along the proposed boundry fence would cause substantial runoff and flooding in spring,
7. Added cost for road building, maintenance and snow removal,
8. Steele County is a small county and already the U.S.A. owns 3,517.17 acres (Radar Station near Finley, Missile Sites and Wildlife) and the State of North Dakota Game and Fish Department, 1,299.63 acres, making a total of 4,816.80 acres. If an additional 4,000 acres were taken for the Backscatter Radar System, our tax base would suffer considerably, and
9. We question whether or not the signals will go through when we have a "snirt" storm (snow and dirt).

118

Sincerely,
Wes Reisenburg
Luella Reisenburg
Owners of SW¼ Sec. 16 & NW¼ Sec. 35 and
Renter of NW¼ Sec. 35, Twp. 144N, Range 55W

G4

Page, no Zip
13-4-86

Dear Sir:

I was at your Hillsboro, No. Dak meeting Nov 18-1986. My land is located in Broadlawn township in Steele county which is 5 miles west of Galesburg N. Dak.

I was notified of the meeting being I own land in this area.

I do have a missile site now on a quarter I own in Holden Lake township, Steele County N. Dak and it has never created a problem and don't expect the Over-the-Horizon Backscatter Radar System would be a problem.

If it did happen to be located in my area I would rather lease then sell land and I had a question about this. Would the Government lease part of the land and buy part, depending on the farmers wishes, or would they want to do it all one way? either lease all land or buy all the land needed?

I would like to have you send me a map showing all the proposal areas.

Thanking you.
Sincerely,
Ardis Thorson,
Page, No. Dak.
Box 92
58064

RECEIVED 01 DEC 86

4-139

G6, G8

RECEIVED 9 Dec 86

COMMENT SHEET
CENTRAL OTH-B RADAR SYSTEM
PUBLIC HEARING ATTENDED

HILLSBORO, ND X BRITTON, SD ___ THIEF RIVER FALLS, MN ___

Name: Sen. Malcolm S. Tweten

Mailing Address: R. R. 1, Box 65
Buxton, N. D. 58218

Please check one of the following:
Landowner ___ Business person ___ Other ___

Check here if you wish to:
ask a question ___ offer oral comments ___ submit written statements ___

Check here if you wish to receive an EIS. ___ draft X final

Area of question or comment (check all that apply):

| | | |
|---|---|---|
| Air Quality ___ | Public Services and Facilities ___ | Water Quality ___ |
| Health Hazards X | Biological Impacts X | Visual Impacts ___ |
| Geology/Soils ___ | Cultural Resources ___ | Land Use X |

Other (specify): ___

Please turn in this sheet as requested by the hearing officer.

---

Written comments to be included in preparation of the final EIS. You may use this sheet to submit a written comment in the space provided below. Please turn in your comments either at the break, at the close of the meeting, or mail to the address at the bottom of this sheet. Written comments may also be submitted in a letter or other format. Comments must be received by December 8, 1986.

Dear Sirs:

I would appreciate your response to the points made in the enclosed letter to the editor by Fred Schumacher of Kindred, ND. I would also appreciate any other information concerning potential adverse effects of the OTH-B Central Radar System.

Thank you.

Sen. Malcolm S. Tweten
Senator Malcolm S. Tweten

Mail to: HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attn: Lt V. G. Brown
Hanscom AFB, MA 01731-5000

Sen. M Tweten G. Forks Herald 11-30-86

# Beware of Backscatter

**By Fred Schumacher**

KINDRED, N.D. — Many communities in our Northern Plains region are experiencing a great deal of controversy over their selection by the Air Force as possible sites for components of its Over the Horizon Backscatter Central Radar System.

## Viewpoint

Opposition to the project is nearly uniform in the region, except for the Thief River Falls, Minn., area, where there is a significant urban component of support.

The resulting rural-urban split is a common occurrence in public works projects in which one area, rural in this case, must pay the costs (loss of farmland, tax base, disruption to the local infrastructure) and the other area, urban, could expect to receive the majority of the benefits (the possibility of jobs and local materials purchases).

Polarization of the community is thus to be expected. The city of Grand Forks may see this project as a boon to its local economy, but there are tradeoffs that would have to be made. There is no free lunch.

Although the rural economy is depressed at present, agricultural production is the foundation on which nearly all our cities on the Northern Plains are based. Income from that production has a multiplier effect, which makes our essentially service communities possible. Any permanent reduction in that economic base, as the Backscatter system would require, should not be taken lightly, especially since the economic benefits from the project would be comparatively short-lived.

In addition to the local socioeconomic effects, this system, through its use of extreme low frequency modulation of its primary FM modulation, has the potential for adversely effecting a very large population base. In fact, nearly all the 48 contiguous states, several Canadian provinces and Mexico are within its range and antenna pattern.

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Most biological systems, humans included, are extremely sensitive to radio frequency radiation (RFR) of extreme low frequencies (ELF). Dr. W. Ross Adey has discovered a disturbing effect in the 9-35 hertz (cycles per second) range. (Backscatter would use 10 to 60 hertz). His experiments have shown a calcium ion efflux in brain and nerve cells exposed to short-duration, low-power ELF-modulated RFR. This effect, which is independent of carrier frequencies, inhibits central nervous systems.

Other researchers have discovered our negative RFR direct effect, such as immune system suppression, disorientation, interference with the metabolism. However, the Air Force has focused its health studies on the one effect that is generally not a problem in the shortwave bands Backscatter would use: RFR inductive heating (i.e., the microwave oven effect). That is why the Air Force can say that it does not expect any adverse health risks from the use of the system.

If the central radar system becomes operational, it, in effect, will become the first long-term study of continuous exposure of a population to ELF-modulated RFR. Perhaps it could be argued that this is a sacrifice required of us for our national security needs. That may be valid for the east and west coast Backscatter sites, which will give the Air Force over-the-ocean surveillance capability. But the central radar system would simply overlap those, plus existing line-of-sight systems, without offering additional coverage. It offers risks without rewards. The General Accounting Office, perhaps recognizing the above, plus criticizing the system for its vulnerability and obsolescent technology, has recommended to Congress that it not fund the central radar system.

*Schumacher is a farmer. He estimates his farm is about 60 air miles from the proposed Backscatter transmitter site near Wheaton, S.D. Schumacher belongs to the North American Shortwave Association and has been active in landowner and environmental causes.*

4-140

120

# City of McVille

McVILLE, NORTH DAKOTA 58254

RECEIVED 09 DEC 86

Nelson County

Date 12/2/86

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attn: Lt W.G. Brown
Hanscom AFB, MA 01731-5000

121

Dear Sir
At the December 1st meeting of the McVille North Dakota City Council interest was expressed by all councilmen present concerning siting the Backscatter radar system in Nelson county. At present the most western edge of the Goose River area appears tofulfill most of the Air Force's criteria but is not viewed favorably due to the roughness of the terrain. Moving the site north and slightly west would likely allow the Air Force to avoid some of the terrain problems and land which is not highly suite' to farming could be leased or the possibility of mutually agreeable purchase might exist.
It is the council's understanding that the Nelson County Commissioners will be forwarding a letter expressing the interest of Nelson county in siting a receive array in this county. We urge you to meet with the County Commissioners If the McVille City Council can be of any assistance please contact Councilman John Mullen or Mayor L. Victor Reiten. Councilman Mullen attended the Hillsboro meeting with others from Nelson County.

Sincerely,

John J Mullen Box 525 McVille, ND 58254 701-322-4946



# Steele County
NORTH DAKOTA
FINLEY, N.D.

RUTH GULLICKS, Auditor
DOROTHY THOMPSON, Treasurer
ARNOLD H. JOHNSON, Register of Deeds
Ex-Officio Clerk of District Court
RAYMOND R. RUNG, States Attorney
TY HAUGE, Supt. of Schools
GILMAN H. JOHNSON, Sheriff
JONAL H. UGLEM, Mun. Ct. Judge
STEELE COUNTY PRESS, Official Newspaper

COUNTY COMMISSIONERS
1st Dist. JOHN E. LAUGHLIN, Finley
2nd Dist. JOSEPH H. HANSON, Finley
3rd Dist. SHERMAN THYKESON, Portland
4th Dist. DAVID C. WASHBURN, Hope
5th Dist. MILES LUND, Sharon

December 2, 1986

09 DEC 86

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA. 01731-5000

G3

Dear Lt. Brown
Subject: Over-the Horizon Backscatter Radar System

The Steele County Board of Commissioners have gone on record as opposing the Constructing of an Over-the-Horizon Backscatter Radar System in eastern North Dakota. We realize the importance of having a long-range, all altitude early warning and surveillance of aircraft approaching North America, but feel there is a definite need to save our excellent farm land here in the Red River Valley.

The taking of productive farm land will not only put people off their farms, but will have a direct affect on the small rural communities that depend on farmers for their survival.

Our County residents are not in favor of having this Radar System built here. We sincerely ask that you consider other alternatives before making any final decisions on this matter.

Sincerely,

Miles Lund, Chairman
David C. Washburn, Commissioner
Sherman Thykeson, Commissioner
William R. Dowlin, Commissioner
Joseph H. Hanson, Commissioner
Ruth Gullicks, County Auditor

4-141

Dec. 1, 1986

G5, G6, G7, G8

12/9/86

One of the problems I see is drainage problems - the land is black gumbo and not easily drained. Every spring there is high water and some years disastrous. In the 72 years the land has been in the family every third or fourth year the land has been completely under water - the basement of the house full of water up to the kitchen floor & no place to pump it to. With some roads closed it will cause more drainage problems. Who would maintain the ditches & keep down the weeds. The townships would lose tax money and be unable to maintain the roads that will have to haul heavy

loads. There is no guarantee that the OTH-B will not be hazardous to health. Family Farms will be devastated and split up.

I submit that if the armed forces - including the Army, Air Force, Navy and Marines aren't ready to defend our Country in 30 minutes - then a warning of 3 or 4 hours is useless - God Help Us!!! We do not wish to sell our Land.

Bernice Porter

4-142

Gloria Porter, Sec
Concerned Citizen Opposed OTH-B

Dec 2. 1986



RECEIVED
DEC 8 1986

Comments on OTH-B Central System
G4, G5, G6

Inclosed in this letter packet are news clips & pictures of floods, water drainage & snow problems for the following years 1969, 1970, 1975, 1979, 1982. In 144N 51W & 144N 52W every year brings the threat of flood and crop loss because of the way this land is flat and drainage is a continuing fight as the water from the west empties into our flat "lake bed" land and to slowly moves to the Elm River. It is not "paper news" but we fight sections (640 A) of water every Spring & sometimes in the Summer with heavy rain on the clay soil.

Pictures (3) of 1979 winter snirt storm SNIRT - dirt (erosion) & snow mix in a hard snow drift that snowmobiles animals & people can "play" on!

2 Polarid pictures Sept 23, 1986 of the impassible clay soil and roads. The road was 5 days until dry. over

Please check with City of Fargo ND about the problems they have experienced with 19th Ave N. with SNIRT & snow storms & loss of lines. The Hector Field, & NDANG airport fence is N of this street.

122

Please also address the problem of the "wind tunnel" effect in the Valley and rural areas. All our [redacted] antenna sites and power lines "hum" when this occurs, and the wind blows often. Will this viberation cause reciever problems? Noise polution to the nearby residents.

Note: Water & ice in the spring can carry farm chemicals, fertilizer, dirt, and straw and sunflower stalk debrie, causing corrosion and plugging of culvert drains. Many culverts ends have to be burned to clear this mess carried by wind & water across the sections (640A). If culvert drains aren't cleaned the flooding is worse, & sometimes they freeze before the job is done.

4-143



Comments OTH-B Central System

Questions:

123

Will the antenna draw lightening? Will it be dangerous to work nearby if storm is forcast?

What assurance will the township have that weeds & roads will be cared for? Can there be a penalty to Air Force if mowing of roads is not done. This must be done several times a year to allow for water drainage. Will dirt erosion in ajacent ditches be removed as necessary by Air Force to keep ditches free for drainage.

Will the land sit idel if purchased and construction does not begin at once? Will Air Force rent it out,? until construction starts? If not, will they controll the weeds by mowing or spray?

124

Will rural water & electric lines be rerouted & paid for by the Af

Air Force? Or will the Cooperative members have to absorb the costs?

The Final EIS must use the proper names of all townships with the legal description so it is more clear & easier to understand. 125

Please use more recent maps than 1975. in Final EIS
Also note location of KTHI-TV & KXJB-TV. 126

4-144

Thank You,
I hope this gives more information

Sincerely,

Gloria Peter, Sec.
Concerned Citizens Opposed OTH-B
RR1 Box 63
Grandin, N.D. 58038

We oppose location of OTH-B reciever in the Blanchard study area!

Sept 23, 1986



NE ¼ Sec 33 144N·51W
Poor Workability Soil
Fargo Clay

Sept 23, 1986



NE ¼ Sec 33 144N·51W
Poor Workability Soil
Fargo Clay

This is the east end of the [illegible] Blackhand + Baleskarg. study areas. Water in summer always drains east to the Red [illegible] the Red River to Canada. Note this was before high point. Still more water to come from west and south.

HILLSBORO BANNER — HILLSBORO, NORTH DAKOTA

THURSDAY, MAY 1

1969




WATER, WATER . . .—One of the Banner readers who sent us the picture above wants to know if the "load limit applies to boats." The picture was taken at the Elm River one mile west of the Red River Tuesday, April 15, even before the rivers hit their high point during the flooding. For the first time in two weeks, vehicles were crossing the Halstad bridge over the Red River on Monday. Traffic Monday was restricted to trucks. 1969

## Area Producers Named Officers In State Group

Pete Lundahl, commercial sheep producer from Argusville, was elected president of the North Dakota Sheep Improvement Association at the group's recent annual meeting.

Other officers elected from the group's board of directors include Tom Hall, Grandin, representing Dairne breeders, first vice president, Keith D. Bjerke, Northwood, representing Berkshires, second vice president, and John N. Jonsson of NDSU, secretary-treasurer.

The group is the [illegible] organization for sheep [illegible] the state. Purpose of the [illegible] to improve sheep and the sheep industry in [illegible] Membership is open [illegible] interested or engaged [illegible] sheep industry in North [illegible]

CLASSIFIED ADS Really work

## BLANCH

Mr. and Mrs. W[illegible] ted at Art Bu[illegible]
Mr. and [illegible] among re[illegible] day pa[illegible] land [illegible]

M[illegible] Ho[illegible]

Buy, [illegible] Hire, [illegible] THR[illegible]
ESDAY, MAY 1, 1969

Storm 1979 Glenn Porter farm 144N 51W NE ¼ Sec 33

Peak end of barn roof.

Note [illegible]



Man standing on top

This is the top of a auger grain elevator. The snow has almost covered the snow gets very hard in places and people + animals can go up + over snowmobiles too.



Snow was deep and softer near in yard, but near the fence below it is scalptured by the wind + dirt or (SNIRT) snow + dirt mixed to hard deep drifts.



The photographer is standing in a 10 ft plus drift that is hard and covering the opposit fence in this barn yard.

Many farm cattle lots had to quickly try to remove these huge hard drifts because cattle soon find they can easily walk over + out.

It is fun to run snowmobiles over these high hard drifts. Children + adults are challenged.

OLDEST WEEKLY NEWSPAPER IN NORTH DAKOTA

Hillsboro Banner

A COMMUNITY NEWSPAPER FOR FARM AND CITY

VOLUME 91, NUMBER 35 THURSDAY, APRIL 22, 1976



# Late Snow Storm Down Phone Lines

4-146

OLDEST WEEKLY NEWSPAPER IN NORTH DAKOTA • • OFFICIAL TRAILL COUNTY NEWSPAPER

JULY 10 1975
VOLUME 94 - NO. 38

HILLSBORO, N. DAK. 58045

Price 15¢

# HILLSBORO BANNER

Weather

| | | |
|---|---|---|
| June 28 | 88 | 57 |
| June 29 | 88 | 58 |
| June 30 | 86 | 62 |
| July 1 | 85 | 62 |
| July 2 | 84 | 62 |
| July 3 | 72 | 55 |
| July 4 | 73 | 57 |
| July 5 | 77 | 60 |

Markets

| | |
|---|---|
| Wheat | 4.08 |
| Durum | 4.08 |
| Oats | 1.28 |
| Corn | 2.20 |
| Soybeans | 4.81 |

Again the heavy rain covered our land and slowly drained to Elm River & Red River. much crop was lost.

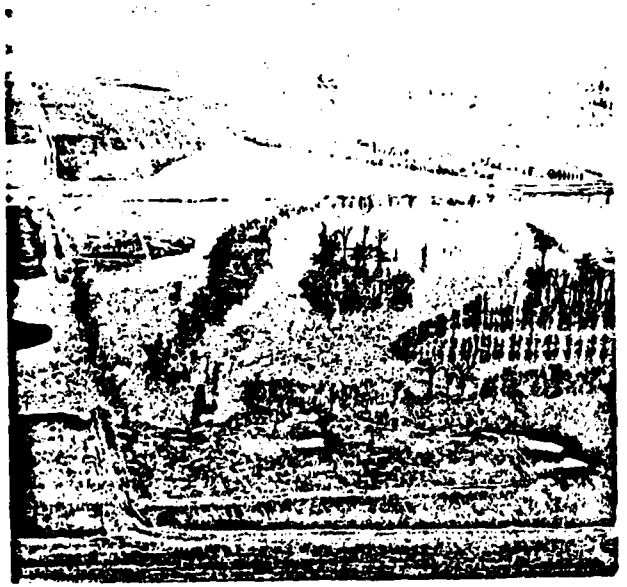
Traill County Considered At Later Date . . .

# Disaster Declaration Seeked For Flood-Ravaged Counties

Traill Co was declared disaster at a later date.

We can not stop the way the snow melt + temperatures





note water in fields away from river





*Special flood issue*

**Hillsboro Banner**

Oldest Weekly Newspaper in North Dakota

OFFICIAL TRAILL COUNTY NEWSPAPER



## Water reaches record in '100 year' local flood



Attention Traill flood victims

For food and lodging assistance, please phone

**436-5606**

headquarters for the Red Cross

RECEIVED
DEC 24 1986

December 2, 1986
RR#1 Box 63
Hope, N.D. 58046

G6

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attn: Lt. V.G. Brown
Hanscom AFB, MA 01731-5000

Dear Madam:

We are writing in regard to the proposed OTH-Backscatter Radar system in our area. We are very much opposed to it in our area. We attended the meeting in Hillsboro, N.D. and listened to all your reasons for it being here and all of the people from the Blanchard Study area telling you why it should not be in their area. I was surprised nobody from the Galesburg study area spoke up that night.

We happen to live on the South half of section 6 in Broadlawn township in the Galesburg Study area. We own this half section along with two other brothers. We farm this half along with the section and a half owned by our father, Paul F. Motter, (West half of section 24 and all of section 13 in Edendale Township).

We have lived on section 6 all 25 years of our marriage. All of our children ages 23, 21, 19, 17, and 10 know no other home. Grandma and Grandpa have lived on section 24 all 51 years of their marriage and raised their 6 children there. The brother we farm with also lives on the home farm near grandma and grandpa and he and his wife have lived there all 24 years of their married life and their children ages 21, 18, and 15 know no other home. We know our personal reasons don't mean much to you but they do to us. This land and surrounding area is our home, our livelihood, our past, our present, and hopefully our future.

We have read your Environmental Impact Analysis Process so we are sure you are aware of the wildlife in the area but one doesn't really appreciate it until you get out and walk the fields. There is much more wildlife habitat than is known officially. Not all the habitat has been sold to the North Dakota or United States Wildlife and is on its rolls. For the past 17 years our family has hunted deer in this area and we have never, that we can remember, failed to fill our licenses. Between our older children and us we harvested 6 deer this year. They are in the freezer now. In the winter it is not uncommon for the deer and moose to come up and feed with our livestock or browse our apple trees in the yard while our german shepherd dog watches. It is also not uncommon for the deer to congregate in herds in the winter of upwards of a hundred animals to a herd but usually they number sixty to seventy.

You should have seen the looks on our two younger boys faces the day a moose ambled through our hedge and around the East side of our house. The boys had been playing ball in the yard and they knew you don't get in the way of a moose. A moose goes where he wants to and a fence doesn't mean much to him. We fix a lot of fences after the moose go through them and let our livestock out

1982 Many sections were covered with water

# Editorial



Looking North from the SPring1982 SE corner Section Greenfield (144N 62W)



Sandbaggers work at Tate farm

We know you plan to build a ten foot high fence to protect your radar receivers from the mammals. How are you going to protect them from the birds?

We know you know that we are right in the middle of the Central Flyway and in the middle of the breeding areas and the migration corridors for waterfowl. But do you know that not all the breeding and feeding areas can possibly be mapped because they change every year according to the rain and snow fall and according to the farmers crop rotations? In this study area it is basically impossible to pick a site that is safe for (or from) the waterfowl. We can just imagine now the sight of your 65 foot high back screen with hundreds of dead birds hanging by their necks and the uproar of the Audubon Society, Waterfowl enthusiasts, the Game and Fish Departments-both Federal and State, the Animal Rights Activists and many more.

We, ourselves, don't hunt waterfowl but if we did we would have a perfect location for it. All summer long they are feeding and raising their young and in the fall their Northern relatives come down to visit and feed and rest in the area grain fields before moving South.

If you have looked at a map of Steele County and surrounding counties you can see that Steele County is a small county in area but it has already done more than its share in contributing land to the government. This land is no longer generating tax revenues for the state, county, or school districts. The Galesburg Study area takes in both the Hope and Galesburg school Districts. According to figures from the Steele County auditor Steele County now has 1,299.63 acres of land owned by the N.D. State Game and Fish Dept. We have 3,517.17 acres owned by the United States Government. Some of this is for Wildlife some for already existing Radar, and some for Missile Sites. The N.D. Highway Dept. Steele County Highway Dept., Steele County Park Dept., and Water Resources owns another 1,389.56 acres. Totaled up our small county is not getting tax revenue from these 6,306.36 acres and now you want to take another 2,400 to 4,000 acres out of our little county and off it's tax rolls.

Steele County is not a poor county. But, if we keep losing privately owned land, the people on the land, the revenue generated by the land both in production of farm goods and the tax revenue, we will become a very poor county. If we loose the wildlife habitat and then the wildlife the country as a whole will be poorer.

Sincerely,

John Motter

Mrs. John Motter

Mr. and Mrs. John Motter
RR#1 Box 63
Hope, N.D. 58046

4-149

5 December 1986

RECEIVED 10 DEC 86

HQ Electronic System Division/SCO
OTH - B Systems Program Office
Attn: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

I attended the public hearing at Britton, South Dakota and was impressed by the quality of the OTH-B presentation. For this I say, thanks.

As an amateur radio operator, I do support the OTH-B program. My home is near Blanchard, ND -- a potential site for the radar receiver. The purpose of this letter is to make a statement for the EIS package and to request some help from your office.

First, the statement. "The draft Environmental Impact Statement includes these amateur frequencies in the List of Forbidden Frequencies: 40 meters -- 7.0 to 7.3 MHz; 20 meters -- 14.0 to 14.35 MHz; 15 meters -- 21.0 to 21.45 MHz; and, 10 meters -- 28.0 to 29.7 MHz. These amateur radio frequencies were not included in the List: 30 meters -- 10.100 to 10.150 Mhz and 12 meters -- 24.890 to 24.990 MHz. It is requested that these amateur radio frequencies (30 and 12 meters) be included in the package of Forbidden Frequencies."

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Second, some help from you. Part 97 of the FCC Rules provides for one-way communications among amateur radio stations. FCC 97.91 states: "... the following kinds of one-way communications, addressed to amateur stations, are authorized and will not be construed as broadcasting: ... (b) Information bulletins consisting solely of subject matter having direct interest to the amateur radio service."

My station, NJ@b, is a bulletin station. Recently, I developed a bulletin program to provide information to other amateurs concerning the OTH-B project. In addition to this on-the-air bulletin program, I am issuing a (non-profit) information letter which provides illustrations and photos to complement the radio transmissions. This is, I think, a very effective way to get the true information about the backscatter system to amateurs who can then intelligently discuss the project in their communities.

It is with this information bulletins and letter that I make this request. Please provide assistance to our work by sending photographs which could be used in our letter -- suggest copies of the photographs which appeared in General Electric's brochure on the AN/FPS-118 Radar -- including those of the Transmit Subsystem, Operations Center and Receive Subsystem.

I thank you for your help. Happy Holidays to you and your staff.

Cordially yours,

Keith Seaver

NJ@B

Keith Seaver
Box 241
Portland, North Dakota
58274

RECEIVED
10 DEC 86

December 5, 1986

James A. Lee, Colonel, USAF
Director
OTH Radar Systems Directorate
Hanscom Air Force Base, MA 01731

G3, G4

Dear Colonel Lee:

As a follow up to our conversation following the public hearing on the OTH Backscatter Radar System held in Hillsboro, ND on November 18, 1986. Those attending this discussion in addition to yourself were:

| | |
|---|---|
| Charles Gehrke, Aneta, ND | - Nelson Co. Commissioner |
| Merle Holden, Finley, ND | - Manager Sheyenne Valley Electric & Member McVille Commercial Club |
| John Mullen, DDS, McVille, ND | - Member McVille City Council & Member McVille Commercial Club |
| Paul Retzlaff, Aneta, ND | - Landowner |
| Curtis Twete, McVille, ND | - Member McVille Commercial Club |

Our proposal would be to consider moving the Goose River proposed site west of Highway #32 as the land we feel would be better suited to this project. We would recommend the emphasis be placed on leasing the land rather than purchasing as to not disrupt township tax basis. We strongly recommend a local informational meeting with local landowners with a lease proposal, the intent being that landowners have input to the site selection by way of making land offers rather than being told they must give up their land. We feel the Fish and Wildlife people must be prepared to participate their fair share for the local landowners to react favorably.

Please be aware that we are considering the positive effect to the local trade area and county, but at the same time would be very sympathetic to those landowners who would be involved and would stress the fact that voluntary land sites be high priority in maintaining the support of the county commissioners, the city council and the commercial club. As concerned supporters of this project at the present time we feel we could help encourage participation if you should desire our input.

Having read the Environmental Impact Study in great detail, we concur with it's findings and trust you have looked at the local school systems, health facilities and many services southern Nelson County has to offer to those people who would be an intrigal part of our community for years to come.





The concerns of weed control, water management, and other good neighbor policies expressed by citizens in the Blanchard area would of course be a concern here also, but with informed input we would see no reason those people responsible would not cooperate if asked to participate.

Thank you in advance for your further consideration.

Sincerely,

Curtis O. Twete

COT/rea
Enclosure

Functioning for the interest of
North Dakota's Most Progressive Community

# McVille Commercial Club

McVille, North Dakota 58254

December 5, 1986

RECEIVED
16 DEC 86

HQ Electronics Systems Division/SCO
OTH-B Systems Program Office
ATTENTION: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

Dear Sirs:

For some time we've been following with interest the process of locating the "Over the Horizon Backscatter Radar System". We have spent much time considering how such a system would impact on our community not only from an economic point of view, but also from an environmental and quality of life one.

We feel that this area just may be the viable option for site location. Therefore, the McVille Commercial Club, representing the McVille businesses & service community, has gone on record to request that your agency seriously reconsider the Goose River Site or a location to the northwest of that point where suitable land may be available. We invite your staff to visit McVille to discuss this further with local government and civic leaders. Or, a delegation from here would be happy to meet with you in your office at your convenience. We understand that our city government officials have expressed similar points of view in a letter to your office. In addition, we are confident that Nelson County government officials are also receptive towards pursuing this matter further.

Please allow me to point out that for a small community, we are quite proud of the complement of businesses and services available here. That includes existing housing and building sites; a wide range of medical services including a modern hospital, drug stroe, physicians, denstistry, optometry, nursing home; recreational facilities; a fine educational system and churches. From McVille there is easy access to the City of Grand Forks via US Highway 2.

In conclusion, we feel that the immediate area surrounding the City of McVille is progressive, open-minded and receptive to new ideas, concepts and technology. We also have a history of a fine relationship with our good neighbors, members of the armed forces of the GFAF base.

Please feel free to call on me at 322-5667.

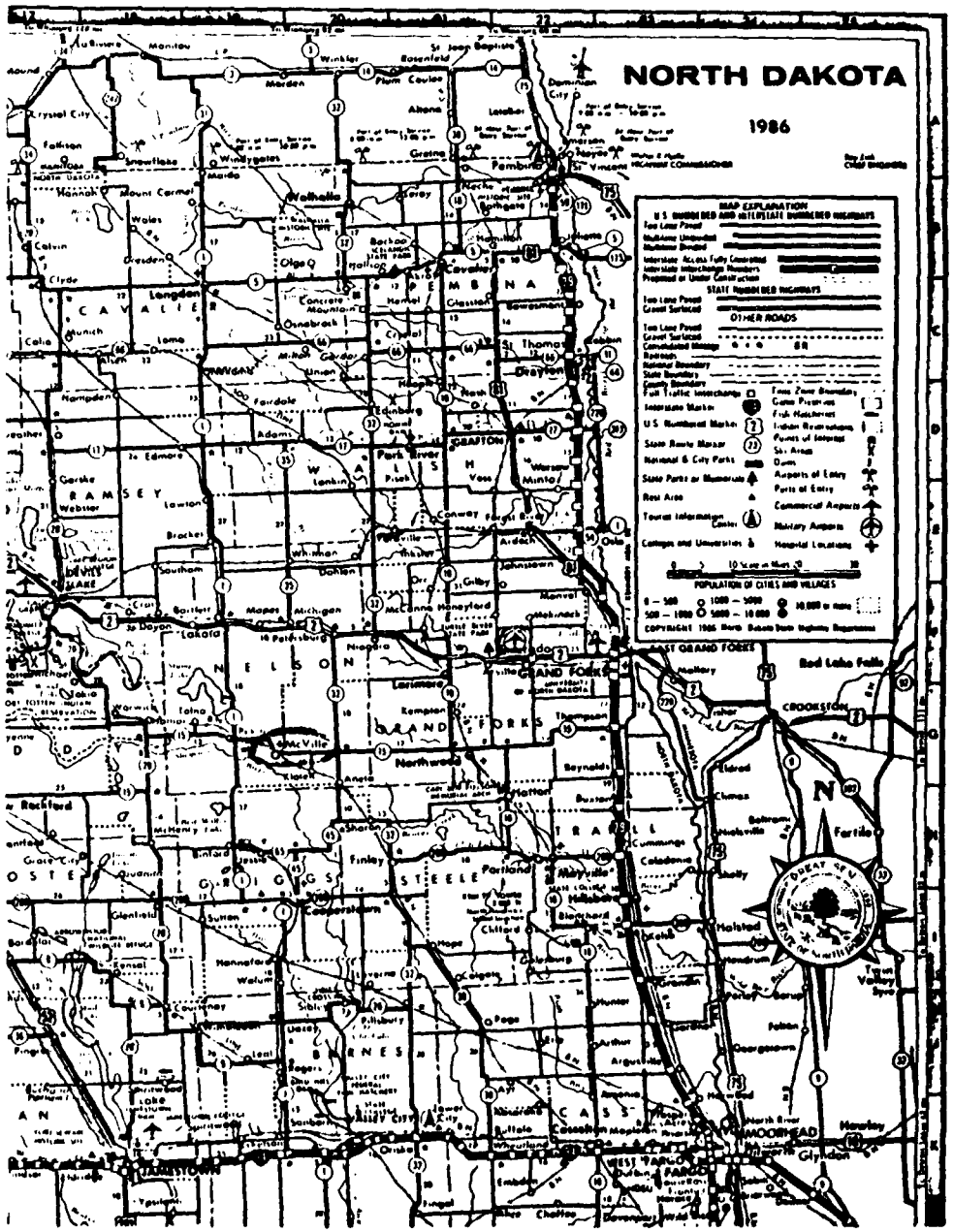
Sincerely,

Tom Ensrud

Tom Ensrud, President

cc: Sen. Quentin N. Burdick
Sen. Mark Andrews
Byron L. Dorgan





### 4.2.3 West Central Minnesota

Letters were received from:

Alice M. Fridgen, Dumont, MN
Marilyn Gillespie, Johnson, MN
Dolores Rogahn, Fergus Falls, MN
Alice M. Fridgen, Dumont, MN
Don and Lola Mathias, Wheaton, MN
Loren R. Irvine, Eden Prairie, MN
James Conroy and Family, Dumont, MN
Elwina Fischer, Dumont, MN
E. Carl and D. Rose Simpson, Tenney, MN
Fae Aukes, Norcross, MN
Mrs. James Arnhalt, Campbell, MN
Florence Willard, Nashua, MN
Gordon C. Donnelly, Wheaton, MN
Richard H. Link, Superintendent, Campbell-Tintah Public Schools, Campbell, MN
Alan Rogahn, Heart Butte, MT
Anthony Ringger, Dumont, MN
Merle Escher, Dumont, MN
Joann Conroy, Tintah, MN
Lyn Dodson, Tintah, MN
Leo Murphy, Chairman, Traverse Soil and Water Conservation District, Wheaton, MN
Donald Conroy, Wheaton, MN
Sophie and Paul Berger, Norcross, MN
Agnes G. Marihart, Graceville, MN
Douglas E. Frisch, Dumont, MN
Ruth Thiel, Wheaton, MN
James W. Gray, Graceville, MN
Walter Schmidtke, Wheaton, MN
Daniel Tritz, Dumont, MN
Beverly Bartz Gallup, Wheaton, MN
Shirley Tritz, Dumont, MN
Duane Rogahn, Tenney, MN
Gloria Raguse, Tenney, MN
Carole Daniels, Tintah, MN
Lois Broesder, Nashua, MN
Dianne Raguse, Nashua, MN
Lavonne Backius, Nashua, MN
Douglas Raguse, Nashua, MN
Harris Richardson, Tenney, MN
James E. Voss, Tenney, MN
Mrs. John Daniels, Tintah, MN
Verne Platt, Tenney, MN
Donald Wetenkamp, Tintah, MN
Jean Putnam, Tintah, MN
Marvin Raguse, Tintah, MN

Al Kosel, Campbell, MN
MaryAnn Przymus, Wheaton, MN
Otillia Aune
Judy A. Stumpf, Tintah, MN
Kathy Keller, Tintah, MN
Richard Keller, Tenney, MN
Jacinta Putnam, Tintah, MN
Jessica Putnam, Tintah, MN
Mr. & Mrs. Ron Niesche, Tintah, MN
Elaine Hawes, Nashua, MN
Jerry Keller, Tintah, MN
James L. and Betty Putnam, Tintah, MN
Rosemary and Myron Janke, Tenney, MN
Craig Pearson, Tintah, MN
William L. Grimes, Wheaton, MN
Vyone Raguse, Tintah, MN
Loyal and Helen Tritz, Dumont, MN
W. J. Doyle, Campbell, MN
Bernard Lehman, Tintah, MN
Kathleen Barth, Tenney, MN
Mrs. Floyd Behrens, Dumont, MN
Ray Shuck, Tintah, MN
Mary L. and Kenneth F. Arens, Graceville, MN
Marcine A. Porter, Tintah, MN
Melea Gran, Campbell, MN
Jim and Sybil Mann and Children, Campbell, MN
Christy Morgan, Tintah, MN
Robert Berg, Chokio, MN
Joann Conroy, Dumont, MN
Randy Tritz, Dumont, MN
Lori Ann Tritz, Dumont, MN
Duane Porter, Tintah, MN
James W. Putnam, Tintah, MN
Wendy Keller, Tintah, MN
Mrs. Henry Petermann, Tintah, MN
Donna Conroy, Vail, CO
Vernon Behrens, Wheaton, MN
Todd Tritz, Dumont, MN
Mrs. Bill Peyton, Dumont, MN
Dolores Petterson, Wheaton, MN
Tate Keller, Tintah, MN
Mrs. Stanley Zych, Graceville, MN
Joyce Wilson, Sauk Rapids, MN
Walter E. Murray, Graceville, MN
Joe and Pat Tritz, Graceville, MN
Valarie J. Hawes, Tintah, MN
Ambrose Schwebach, Dumont, MN
Paul G. and Myrtle M. Nelson, Wheaton, MN
Perry Brown, Campbell, MN

Kevin Lichtsinn, Dumont, MN
Mr. & Mrs. William Hoffman, Campbell, MN
Marcie Conroy, Wheaton, MN
Eldren Lichtsinn, Wheaton, MN
Lloyd J. Keller, Tenney, MN
Eric Carter, Campbell, MN
Steve Raguse, Wheaton, MN
David W. Keller, Las Vegas, NV
Theodora D. Economou, Morris, MN
Thomas M. Stringer, Fergus Falls, MN
Charles McDonnell, Graceville, MN
Jim and Kay Weigand, Wendell, MN
Helen Homan, Beardsley, MN
Charles and Valeria Hegel, Tenney, MN
Pearl Behrens, Wheaton, MN
Sharon Raddatz, Wheaton, MN
Reverend Eugene Doyle, Tintah, MN
Donald Bullis, Tintah, MN
John and Clara Honzo, Chokio, MN
Gary Keller, Twinsburg, OH
James McChesney, Campbell, MN
Mrs. James Schwebach, Dumont, MN
James Schwebach, Dumont, MN
Sam T. Courey, Jr., Minneappolis, MN
Tom Morgan, Tintah, MN
Douglas L. Berg, Chokio, MN
Lenora Behrens, Wheaton, MN
Randy Behrens, Dumont, MN
The Agnes Berger Family, Wheaton, MN
Marilyn Mathias, Wheaton, MN
Mrs. Gerald Frisch, Dumont, MN
Vicki Behrens, Dumont, MN
John Tritz, Dumont, MN
Roxanne Shelstad, Doran, MN
Steve Raguse, Traverse County Commissioner, Wheaton, MN
Mr. & Mrs. Carl Simpson, Tenney, MN
Mr. & Mrs. Clarence Gullickson, Tintah, MN
Bill Gullickson, Tintah, MN
Lyle Raguse, Tenney, MN
Dolores McClernon, Tenney, MN
Anne and Warren Bartz, Minneapolis, MN
Mr. & Mrs. Harvey Sorensen, Wheaton, MN
James M. Braun, Wheaton, MN
Richard and Danice Young, Herman, MN
Mr. & Mrs. Wm. Olhoft, Norcross, MN
Warren Bartz, Minneapolis, MN
Marjorie Frisch, Dumont, MN
Anita Antrim, Norcross, MN
Ryan Poole, Wheaton, MN
Warren Bartz, Minneapolis, MN
Mrs. Vernon Ehlers, Wheaton, MN

Marilyn Mathias, Wheaton, MN
Caroline E. Brink, Dumont, MN
Philip M. Petterson, Wheaton, MN
Leon Delbert Berger, Wheaton, MN
Marcie J. Conroy, Wheaton, MN
Art Fridgen & Family and LeKay Johnson & Family, Dumont, MN
Mr. & Mrs. Walter Lubben, Norcross, MN
LeRoy and Shirley Reckner, Norcross, MN
Cletus and Marie Doll, Dumont, MN
Linda Poole, Wheaton, MN
Margaret Schneider, Wheaton, MN
Margaret M. Ringger, Dumont, MN
Ray W. Ehlers, Wheaton, MN
Mrs. Edward Baxter, Graceville, MN
Wilbert Schneider, Wheaton, MN
Clara Berger, Wheaton, MN
Roy Petersen, Wheaton, MN
Ellen Cotone, St. Paul, MN
Mabel and Inez Peyton, Wheaton, MN
Glenn and Carol Holtz, Wheaton, MN
Mr. & Mrs. William Peyton, Dumont, MN
Mr. & Mrs. Michael Peyton, Wheaton, MN
Mr. & Mrs. Tom Peyton, Dumont, MN
Mr. & Mrs. Gerald Thiel, Dumont, MN
Mrs. Vernon Schmitz, Beardsley, MN
Mr. & Mrs. Bob Thiel, Dumont, MN
Phyllis Bauer, Dumont, MN
Mr. & Mrs Walter Armbrust, Wheaton, MN
Walter Nosek, Wahpeton, ND
Lenora Behrens, Wheaton, MN
Roland Bauer, Dumont, MN
Mr. & Mrs. Rodney Thiel, Dumont, MN
Robert and Lois Schmitz, Beardsley, MN
Orville and Ruth Thiel, Wheaton, MN
Maureen Owen, Guilford, CT
Kenneth and Eunice Schmitz, Wheaton, MN
Paul, Joyce, Tom, and Mike Kodeg, Beardsley, MN
Francis Mord, Wheaton, MN
Mr. & Mrs. Daryl Leininger, Wheaton, MN
Eunice Schmitz, Wheaton, MN
Larry Raguse, Tenney, MN
Mr. & Mrs. Clarence Gullickson, Tintah, MN
Richard and Charlotte Davison, Tintah, MN
Dean Olhoft, Norcross, MN
Mr. & Mrs. Joseph Dietz, Sr., Dumont, MN
Norma Nasek, Wahpeton, ND
Florence Frickman, Wheaton, MN
Mabel Winter, Wheaton, MN
Melva Winter, Wheaton, MN
Irene Raguse, Wheaton, MN

Sharon A. Finke, Wheaton, MN
Allen W. Peterson, Wheaton, MN
Gordon W. Anderson, Wheaton, MN
Walter C. Johnson, Wheaton, MN
Mrs. Fritz Johnson, Wheaton, MN
Nellie Peterman, Wheaton, MN
Norman Magman, Wheaton, MN
Beverly Nelk, Wheaton, MN
Ira Mills, Wheaton, MN
Elsie Anderson, Wheaton, MN
Joan Nelk, Wheaton, MN
Roger L. Johnson
Leona Mills, Wheaton, MN
Alvin Vollmers, Wheaton, MN
Nancy Raguse, Wheaton, MN
Lorence Winter, Wheaton, MN
Dennis Klugman, Wheaton, MN
Allen Weick, Wheaton, MN
Luann Streed, Wheaton, MN
Roger Johnson, Wheaton, MN
Donald L. and Anne B. Hansen, Wheaton, MN
Sheri Martinek, Wheaton, MN
Kathy Ranney, Wheaton, MN
Pat Marcus, North Oaks, MN
Terry and Lois Tritz, Johnson, MN
Brad Raguse
Kenneth S. Tritz, Dumont, MN
Jim Reckner, Norcross, MN
Barb Raguse, Tenney, MN
Marlyn Larson
Ione Schmidt, Wheaton, MN
Sister Herman Joseph Frisch, St. Paul, MN
Kathleen Klugman, Wheaton, MN
Mrs. Vernon Schmitz, Beardsley, MN
Grace Thiel
Manetta I. Johnson, Wheaton, MN
Kenneth Nelk, Wheaton, MN
Francis Mord, Wheaton, MN
Myron Budke, Wheaton, MN
Marlyn J. Schaefer, Wheaton, MN
Ellen Vollmers, Wheaton, MN
Brian and Betty Rinke, Wheaton, MN
M. E. Tritz
John and Bernadean Swanke, Wheaton, MN
Berneta Lundquist, Bemidji, MN
Dean Toelle, Tintah, MN
Mr. & Mrs. Ken Krause, Tintah, MN
Faye and Russell Keller, Tintah, MN
Mabel Winter, Wheaton, MN
Richard S. Roberts, Wheaton, MN
Sharon and Neil Johnson, Wheaton, MN

Steve Keller, Tintah, MN
Dolores McClernon, Tenney, MN
Jim Coffman, Agriculturist, Minn-Dak Farmers Cooperative, Wahpeton, ND
Roy and Doris Berger, Norcross, MN
John E. Daniels, Tintah, MN
Lawrence Lundquist, Graceville, MN
Margaret Johnson, Wheaton, MN
Roy and Doris Berger, Norcross, MN
Bradley Hasbargen, Wheaton, MN
Jerry Berger, Norcross, MN
Thomas M. Stringer, Fergus Falls, MN
Marjorie Frisch, Dumont, MN
Jessica Mathias, Wheaton, MN
Marilyn Mathias, Wheaton, MN
Rick and Jon Mathias, Wheaton, MN
William C. and Ver Nell Buss, Norcross, MN
Mabel Winter, Wheaton, MN
Ewald and Shirley Moerer, Wheaton, MN

Box 146
Dumont, Mn.
August 25, 1986

Colonel James A. Lee
U. S. Air Force
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom Air Force Base, Ma.

G2

Dear Colonel Lee,

I have attended both informational meetings in Wheaton about the Backscatter Radar Detection System being planned for this area.

I am voicing strong objection to this huge monstrosity that would deface our landscape and put some good professional farmers out of business.

I realize the defense department has millions of appropriated dollars to spend but that is no excuse to push and shove good citizens around for such a temporary project. Farming is more than a business, it is a way of life andcannot be compensated for in dollars and cents.

This system is already obsolete because we have airplanes that can not be detected by radar and we are not so foolish to think the "enemy" does not have some of the same. Technological advances indicate there should soon be a much smaller more concise piece of equipment available to do this job.

This is a blatant waste of good taxpayers dollars and ruination of lives and land in the process.

Please go elsewhere and spend the money on something more worthwhile.

Respectfully,

Alice M. Fridgen

Alice M. Fridgen
Box 146
Dumont, Mn. 56236
Tel.- 612-563-4076

4-158

ACI
KEEP THE TORCH LIT

G3, G5, G8

Dear Lt Brown:

We recently heard there was to be possibly an Air Force Radar station located in Traverse County of Minnesota.

I am writing to voice my opposition very strongly to this site as a radar station. This area has very rich, fertile farm land in the lower Red River Valley and there are so many people in the area. This has been our livlihood for generations and even if our farm isn't used as the site, I don't believe anyone knows the long-term possible effects on humans of this type of radiation and I feel this would very possibly jeopardize mine, my husbands, our childrens and our grandchildrens future health + well being We would be within 3 miles of the location and I certainly wouldn't feel safe here.



RECEIVED
12 Sep 86

We also have very many major streams and creeks right here that there would be enormous cost to reroute, drain, culvert or whatever.

Again, please note that I am firmly and strongly opposed to this radar site in a populated area such as Minnesota.

Yours truly,

Mrs Marilyn Gillespie
Rt. 1 Box 10
Johnson, MN
56250

4-159

RECEIVED

Sept. 4-1986
Fergus Falls, Mn. 56537
820 E. Summit #9

Lieutenant Gale Brown
ESD: SCO
Hanscom Air Force Base
Mass. 01731

G3

Dear Lieutenant Brown,

This letter is in regard to the projected plans to construct a OTH-B radar transmitter on the Wheaton, Minn, north site west of Tintah, Mn.

My family home and farm are in this area where I've lived for 39 years. This land is highly productive agricultural land with many beautiful homes (many new) and lovely farms. The impact on the entire community would be horrendous.

To know well every family in the 40 sq. mile site, and the families adjacent to the outside of the perimeter. Not one of the families I know of want this transmitter in their community.

I go on record as opposed to the construction of a radar transmitter base in the Minnesota, Wheaton North area.

Yours truly,
Dolores Kaphan

RECEIVED
15 Sep 86

Dumont, Mn.
August 25, 1986

G1, G2

Mr. Tom Manning
Air Force Regional Civil
Engineering Agency
1114 Commerce St. Suite 206
Dallas, Texas 75242

REF: Radar Backscatter Screen

Dear Mr. Manning:

I am writing to voice objection to the Radar Backscatter Screen being planned for the Wheaton area.

I have attended both of the informational meetings held at Wheaton. I fear the Air Force is not really interested in our concerns. I think they already have this project well underway and are just trying to smooth things over and make it sound good to us.

This system is already obsolete as we have airplanes that can not be detected by radar. Are we so foolish to think the "enemy" does not have some of the same? I think there will soon be available much smaller more compact equipment to do this job, rather than the huge monstrosity planned to deface our beautiful landscape.

In the process, good professional farmers, who are farming land passed down through generations, will be put out of business. Farming is more than a business, it is a way of life, and can not be compensated by dollars and cents.

This project sounds like a blatant waste of taxpayers dollars and ruination of lives and land in the process.

There must be other places to spend $600,000,000.00.

Respectfully,

Alice M. Fridgen

Alice M. Fridgen
Box 146
Dumont, Mn. 56236
Tel.- 612-563-4076



[illegible]
Wheaton, Minn.
Sept. 7, 1986

G2, G3, G8

RECEIVED
17 SEP 86

Gen. Lt. Brown,

We are strongly opposed to the construction of the OTH-B Transmitter in Traverse County. The government is taking some of the most fertile land for the Radar Beam in the Dalton, the Southeast site in Traverse County is especially one of the most fertile areas in the whole Dalton.

The people in Traverse County and the surrounding counties are expecting [illegible] from the proposed [illegible] and [illegible] Storm.

Therefore we believe if this project has to be constructed it should be on less fertile land and in a less populated area.

Hearing that we have fifty radars including Sheltered fighters already in this Country do feel Russia and other Countries with Radar know this.

This Radar site will be obsolete. It will be Nothing more than a disappointing sight seen to Area residents and a product of Vandalism.

Respectfully yours,
Tom and Lila Wallace



RECEIVED
18 Sep 86



**ICI TOP PORK INC.**
18930 Lotus View Dr. • Eden Prairie, Mn. 55344 • (612) 934-2242

September 9, 1986

H Q Electronic Systems Division
OTH-B Systems Program Officer
Attn: Lt. V.G. Brown USAF
Hanscom AFB, MA 01731

G7

Lt. Brown:

We own a hog farm on the West side of your North Wheaton selection site.

Regrettable we have not had a chance to review your "Draft Environmental Impact Statement" in detail and also have not had time to seek expert advise, as we've been under the mistaken impression that the potential locations were South of Wheaton and also that if a Wheaton site was selected it would be a receiving site rather than a transmission location.

We have several concerns at the present time: 128

What is the reduction in level of energy produced by your transmission waves as the distance becomes greater? In other words would we receive less electro-magnetic waves at two (2) miles behind or to the side of your transmission site than we would if we were one (1) mile away? If so, how much less? In addition to the obvious problems that these transmission waves would cause our workers and others living in the vicinity, you need to realize that swine are one of the mannals that can not effectively rid themselves of excess heat and it certaintly appears that the potential exists for thermo heat to be produced by the pigs absorbing your transmission waves.

A second question would concern the effects your operation would have on water!! Both ground water and well water. Why is there a concern expressed about locations of city wells, when no concern is expressed about individual farm wells which would be much closer to your transmission site? As for ground water, how much more excess water problems are you going to cause for down stream agricultural? How much warmer will the surface water become because of absorbing your transmission waves? What other contaminants might your operation also accidentally spill that would affect both surface and well water? 129

Another concern is the probable closing of our access roads from the East which would significantly affect our cost of bringing feed to the hogs. Also what potentially hazardous products would you be transporting to and from your transmission site.

In closing it would appear that your report does an adequate job of describing the various potential selection sites, but when it comes to describing the "effects" from your transmissions - then everything is either unknown or vague. 130

Sincerely,

Loren R. Irvine
President

Received 18 Sep 86

LT. U.G. Brown; G3, G8

Im writing in regard to the OTH-B Radar sight, being put in Traverse county minnesota.

This area is a prime farm land area and much to populated area for such a sight.

The health hazard seems to have been forgot on this sight. In reading a health article on this type of radiation, study made at University of Washington School of Medicine by the Air Force + Dr. Guy a disproportionate number of rats developed mar lignant tumors. The Air Force downplayed the study but Dr. Guy did not. Why?

I and my family are very concerned about this and I guess we have every right to be.

Dont put this monster in this populated area.

Thank You;
Sincerely;

James Conroy
RT. 1 Box 12
Dumont, MN.

James Conroy + Family

4-162

Received 18 Sep 86

Colonel Lee G6, G8

Dear:

Radar transmitter proposed for Traverse Co.

My husband and myself live in the city of Dumont and we both have businesses there. He is in the welding + repair (farm machinery) and I have a hair shop in my home.

It is our feeling that if the OTH-B septum were to come into the Dumont area - it would be bad both for the businesses of Dumont and a potential health hazard as well.

We need the family farm to survive.

The people of Dumont have always been proud of their town + we hope they can be just as proud in the future.

Elvina Fischer
Box 101
Dumont, Mn. 56236

G2, G3, G5, G6, G7, G8, G9

6. Capt. W. Rae Simpson
RR-1- Box 132-
Tenney 2nd. 9658 2. — 2 Sept 11 - 86
(in Otter Tail County)
(Traverse county)

18 Sep 86

OTH-B, Systems Program Division:

We do not want the Project in Our Area or Traverse County. The cause of- Loss of Agricultural land, family Farm- Tax Revenues, A way of life and County Unity.

2. Radiation Health Hazards.
Cell Depts, Cancer and Nervous Disorders
3. Prime Target for Enemy Nuclear Attack.
4. Rerouting and restriction of traffic increase potential for Tri-County Flooding.
5. Waste of Tax money for an already technologically outdated Service.
6. Jobs for the highly technically, only.
7. Closed and restricted County Roads.
8. Local TV, Radio, Satellite and 2-way Radio interference.
9. Destruction of Wildlife Habitat - leading To Movement and Possible Extinction.
10. Intrigue with Fiction of Local Plans.
11. We think Government should take it To Lonely Deserts or No. Dakota - Where waste land exists.

RS Please distribute to Appropriate Systems Program Division Personnel in Traverse County, MN.

4-163

G4, G9

I am Zoe Aukes my husband is Leslie. Our property is located in Redpath township. E½ of Sec. 8 and NE¼ of Sec. 17.

For 40 years my husband and I have worked side by side to make our home and our land a good retirement income from the land. And we were successful. I milked cows, raised chickens, drove tractor (with no cab or air conditioning) lifted hay bales, kept the yard, raised a garden, and kept my home in order, hauled grain - and raised our one God given beautiful daughter, and was active in church. We worked side by side with carpenters to build our home - to live in it - until we knew when. I could go on and on to tell you what those early years were like.

Now our farm has been placed in the area which the Environmental Impact System calls it a suitable place for a radar base. If we are to give up our property - it throws out our retirement plan and a large part of our retirement income.

It seems to me that birds and field are more important to you than people. (incidently I like to field) but!! God said - man should have dominion over

the birds and animals.
What effect will this have on my husbands hobby as an Amateur Radio Operator??
So please be considerate of us and our neighbors in your selection of land.

Sincer,
Fae Auker

4-164

HQ Electronic Systems Division/TOC
CTH-B Systems Programs Office
Hanscom AFB,MA 01731-5000

SEP 19 1986

G3, G6

Attn: Lt V. C. Brown

I am writting in regard to the Central CTH-B Radar System, that is proposed for the Traverse Country area.
We live ten miles north of the northern site that you have picked out. We farm a quarter of land right on the line that has been shown, We are concerned as to what it will do to the value of the land. Also I have three brothers farming and living within the north site, who could lose their homes and living. I'm only glad my dad isn't here today to see what is going on. He lived and breathed the land and taught his children to do the same. Now they are living with the threat, that this land might be taken away from them. My home place is within this area and is now going into the forth generation of farming. You take the land away from my brothers who are in their 50s and you might as will tear their hearts out, cause the land means that much to them. I feel like our country as become like a dictatorship. You just have the right to come in and say this is where the radar system is going and that is that. No one has anything to say.
I am asking you to consider a site that is unpopulated. We have one in the north site. It is more towards the south end of the site. There is an area 4 miles wide and 8 miles long that has noone living there. The only problem is that there is a power line close to that area. But wouldn't it be better to reroute the power line then to distroy a persons home.
We ask that you give this area your consideration and ask that you put your self in place of the farmer who's home and land will be destroyed for a system that could destroy human life homes and property.

Trusting in God

Mrs James Arnhalt
Campbell, Minn 56522

Brothers names in north site

Lloyd Keller
Richard Keller
Robert Keller

RECEIVED
SEP 19 1986

Nashua, Minn.
Sept. 13, 1986

Lt. B. G. Brown
Hanscom A.F.B. Ma.

Sir:
This letter is to inform you I oppose the construction of the G.T.H.-B radar transmitter in Traverse County

Sincerely
Florence Hillard
R.Rt. 1 Box 77
Nashua, Minn.
56565

4-165

RECEIVED SEP 22 1986

N T DONNELLY
CHAIRMAN
G C DONNELLY
PRESIDENT
PETER N MUELLENBACH
EXEC VICE PRESIDENT
MAYNARD HOLM
ASST VICE PRESIDENT
GLENN I LEVNO
ASST VICE PRESIDENT
ROGER A SCHMITZ
ASST VICE PRESIDENT
GORDON CHRISTENSEN
CASHIER
DREW G DONNELLY
ASST CASHIER
(612) 563-8142

# STATE BANK OF WHEATON

*Wheaton, Minnesota · 56296 ·*

INDEPENDENTLY
HOME
OWNED SINCE
1899

September 12, 1986

G2, G3, G6, G8

Lt. B.G. Brown, ESD/SC
Hanscom AFB, MA 01731

Dear Sir:

I would like to stand in opposition to the location of a radar base in Wheaton, MN. There are a number of reasons why I am in opposition to the station.

First, of the 50 possible families or individuals that may be servicing this station, possibly twenty would be located here in Wheaton. Possibly not. Possibly a few more, possibly a few less. I figure that economically you will be displacing twenty to twenty-five families and so the net results of this transaction could be negativeor possibly zero as far as Wheaton's economic welfare is concerned.

Another item that has to be considered is the fact that the farmers are in a depressed situation at this time. Their debts in a great number of cases exceed their net worth. Any settlement with the farmer based on the going prices in this area at this time would not in a great number of cases take the farmer out of debt. There will also be forced auctions which will be going on at approximately the same time resulting in a further decrease in the farmer's income from the sale of his machinery. Then when you consider the farmer has to go out, buy himself a home, if possible, re-educate himself, send his children to strange schools, I think the whole project is very inhumane.

I also feel that the radar station is probably five years in obsolescence already. I understand that the air force has developed fighter planes that can sneak by this type of radar. If we have this type of fighter or bomber, I am sure any of our potential enemies have it now or will be having it shortly. Then we have the scenario of an abandoned station. The land will not be able to be reconverted to farming. The community here is out the twenty odd families that have been displaced and the only ones that have profited by it would be the contractors. This is a serious situation.

Then you have the horrible realization of radiation effect on human life.

The conclusion of your environmental impact analysis process on page S-9 is frightening. As so often happens, a little minnow in the Tennessee Valley Authority is able to stop building of a dam, spraying of pesticides can affect the birds and fish, etc., but very little concern is given to the effect on human life. Maybe I have said that incorrectly. The concern may be there but - well, the farmers and small businessmen in the Wheaton community are expendable. Maybe that is what the military thinking is.

There is no question in my mind that there are other sites equally as good as this one. However, because we have a sparse population, you people have decided that this is the way to go because lose a few, so what!

I am definitely opposed to this radar site in this area. One of the best farming areas in the country. I would appreciate it if you would give more thought to the farmer and his problem, what is going to happen to him in the event that this happens, what is going to happen to main street Wheaton if this happens, what is going to future generations as far as radiation is concerned. I would appreciate it if you would place this letter in opposition to your radar site.

Yours truly,

STATE BANK OF WHEATON

By: Gordon C. Donnelly

Gordon C. Donnelly
President
GCD/mp

C.C.: Milo Tritz
Graceville, MN 56240

Vin Weber
U.S. House of Representatives
514 Cannon Office Building
Washington, DC 20515

4-166

# CAMPBELL-TINTAH PUBLIC SCHOOLS

CAMPBELL TINTAH INDEPENDENT SCHOOL DISTRICT 852
CAMPBELL, MINNESOTA 56522

RICHARD H. LINK SUPERINTENDENT
ALLAN JENSEN PRINCIPAL
(218)638 5311

RECEIVED 23 Sep 86

September 18, 1986

G1, G4, G5, G6, G9

Hearing Officer
H Q Electronics Systems Division
PTH-B Systems Program Office
Hanscom AFB, MA 01731

Atten: Lt. V. G. Brown

Sirs:

Acting officially during its regular September meeting held in District office, September 15, 1986. The Board voted unanimously to oppose the placement of an OTH-B System Radar Transmitter within the Campbell-Tintah School District, Traverse and Wilkin counties, MN.

The following items, while not an exhastive list, represent some of the concerns and issues raised in the discussion.

A. The lack of any concrete or factual information regarding:
   a. The amount of land required.
   b. The method to be used to determine the value of land taken.
   c. Provisions, if any, for assisting those who are to lose their livelihood and their homes.
   d. Provision for use of the land once the system is obsolete or non-operable.
   e. Population effects on the local school district, a significant number of families and students will be displaced.
   f. The prospect, if any, of recovering the lost tax revenues.
   g. The plans, if any, for dealing with water and drainage, problems, sure to be generated by large scale grading and filling in the affected area.
   h. The effect on local electronic apparatus, television, school bus two way radio transmission, etc.
   i. Plans, if any, for handling the large influx of seasonal workers during construction.
   j. The effect the transmitter will have on wildlife in the area.
   k. The procedure to be followed if those in the affected area refuse to sell or leave their land.

BOARD OF EDUCATION
RALPH CHRISTENSEN PRESIDENT
ROBERT KELLER CLERK
PAUL LEHMAN JR TREASURER
DOUGLAS DANIELS DIRECTOR
JAMES ARNHALT DIRECTOR
DUANE GRAN DIRECTOR

1. A major concern was the refusal of the hearing officer to permit full discussion of health hazards and risks as presented by professional people in attendance.

We respectfully request this letter be placed in the official testimony being taken on this proposed project.

An answer to any of these concerns, by you or a representative of the project, would also assist in rational discussion of a matter of major importance to this District and its citizens.

Sincerely,

Richard H. Link
Superintendent of Schools

RHL/afs

Copies to:
Rudy Perpich, Governor
State of Minnesota

Senator Charles Berg
Minnesota Senator

Senator Rudy Boschwitz
U.S. Senate

Representative Vin Weber
U.S. Congress

Senator Dave Durenburger
U.S. Senate



**Heart Butte School**
*School District No. 1, Pondera County*
HEART BUTTE, MONTANA 59448
PHONE (406) 338-2211

G3, G6

September 17, 1986

Lieutenant Gale Brown
Electronics Systems Division
LAS-SCO
Systems Program
Hanscon AFB, Mass. 01731

Dear Lieutenant Brown:

Thank you for your call today. I wish to go on record as being opposed to the OTH-B Radar Transmitter at the Traverse County, Minnesota North Site. I do not know of anyone in this area who is in favor of this proposed site.

This area is highly productive farm land in a rich agricultural Red River Valley with many beautiful homes and fine farms. The impact on the schools, environment, and community would be devastating. The schools at Campbell, Minnesota, a few miles North, and at Wheaton, Minnesota, only a few miles to the south of this site, would loose a great many students. The land tax loss to the communities would have a very disastrous effect in the entire area. The churches would also be adjacent to this site and would loose so many families that they would be compelled to close.

My family farm and home is inside this designated area!

Sincerely,

Alan Rogahn
Alan Rogahn
Superintendent of Schools



RECEIVED
R23Sep86

September 19, 1986

Dear Sir,

First I have every respect for our military and it's people. But in this case I have to speak out if I have to lose my farm to the Radar Base.

Each new map that comes out seems to cut up my farm more. My best land is in Dollymont Township, they are taking the whole thing. In Leonardsville Township by the new map shows a strip along the Collis Road (County Road 4) that would not be in the Radar sight and a strip along the Johnson Road (County Road 15) that would not be in the Radar sight. That would leave me with very little land and a building site out in the middle of nowhere.

Please do not pick the Southeast site in Traverse County.

Sincerely,

Anthony Ringger

Anthony Ringger



RECEIVED
R23Sep86

Dumont, Minn.
9-17-86

G3, G8

Dear Sir:

Would like to voice my disapproval of a Radar Base in Traverse County.

The future need of our agricultural land, & the need of concrete evidence as to health hazards, & the displacement of families are my real concern. There are other areas more suitable, in regard to these reasons.

Yours truly

Mark Eisele

M. Lee,

What are you trying to pull on us out here? What is your honest intentions for this land? But then I don't expect you to answer that because you don't know the meaning of the word honesty. Did you think we were just a bunch of country bumpkins out here that you could pull the wool over on us? Did you think our intelligence was so low you could smooth talk us with your valueless statements? Falsifying yourself over repeatedly.

I've been told an enemy was overseas. Well I know different now. He's on our doorstep dressed up like a wolf in sheeps clothing.

If you have any conscience at all you better open up your eyes and ears to the real concerns here, not national defense but human lives. If the Air Force really thinks this OTH-B is going to save our Country from an enemy attack then we really are in trouble.

I don't know how you sleep at night. I know I'm not sleeping as well either lately now that I've seen some of the intelligence representing our national defense.

Frank Gregg

4-169

**VALLEY FERTILIZER INC.**

Tintah, Minnesota 56583
Phone: (218) 369-2696
Lyn Dodson (Owner-Manager)

G3, G6, G7, G8, G9

Sept. 17, 1986

Subject: OTH-B Radar Installation (Wheaton North)

To whom it may concern:

As an independant business owner of Valley Fertilizer and Chemical Inc. located in Tintah, Minn., I would like to object to the placement of the proposed radar installation at the Wheaton North location. My business consists of retail sales of agricultural fertilizers and chemicals, and the custom application of these products to various fields in the area. To locate the installation at this proposed location would have a devastating affect on the future of my business. The 4-5000 acres needed for the installation is in the heart of my trade area. If the site becomes a reality, I feel sure my sales would drop by 25%, or 725tons of product. The custom application of these products would suffer a 20% decrease. The end affect of both of these losses would be nearly $24,000 reduction in gross profits.

In my operation we use business ham radios, to communicate from field and service units throughout the area. We presently use 10 mobile units, plus 2 base stations. We rely very heavily on these communicating devices to operate as economically and as effectively as possible. To reduce the operation and capibilities of these tools of communication would greatly decrease our productivity.

In our work getting to the job with the least amount of road travel is very important. If I find it necessary to detour 6 or 7 miles around a radar facility in order to reach a field, it would be disruptive in the

**VALLEY FERTILIZER INC.**

Tintah, Minnesota 56583
Phone: (218) 369-2696
Lyn Dodson (Owner-Manager)

(Con't)

efficient flow of services. I feel sure this routeing inconvenience would add up to a considerable mileage everyday. The cost of high flotation tires on field units, fuel, and man hours, are all additional expenses that cannot be bore at this time.

The long term effects from the nearby radiation are somewhat uncertain. Personally I wouldn't feel very confortable living near the site. In the past some dicisions have been made by the government on A-bomb surface testing and Agent Orange, with very limited long term research.

The feasibility study done for the site selection process was very slanted and self serving. The study indicated that the land was practically uninhabitable due to poor water and bogged soils. When in fact it is some of the most productive farm land in the world. Past production records from ASCS offices will tear this out.

Small business associated with agriculture are having a tough enough time trying to survive. Please don't make it any worse.

Sincerely

Lyn Dodson

Lyn Dodson
Pres.
Valley Fertilizer and Chem.
Tintah, Minn.

4-170

TRAVERSE SOIL AND WATER CONSERVATION DISTRICT

11 10th St N
Wheaton MN 56296
Telephone (612) 563-8550

RECEIVED
OCT 16 1986

MINNESOTA
SOIL AND WATER CONSERVATION DISTRICTS

October 7, 1986

[illegible] Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, Ma. 01731-5000

Dear Mr. Broom:

This is in regard to the OTH-B radar system being proposed in Traverse County in West Central Minnesota.

The Board of Supervisors of the Traverse Soil and Water Conservation District made and passed a motion at their October 1986 regular board meeting to go on record as opposing the OTH-B radar system being proposed because of the negative environmental effects on the area involved.

Sincerely yours,

Leo Murphy

Leo Murphy, Chairman
Traverse Soil & Water Conservation District

Lmsj

AN EQUAL OPPORTUNITY EMPLOYER

DONALD CONROY CONSTRUCTION COMPANY
PHONE 612-563-8292
POST OFFICE BOX 486 — WHEATON, MINNESOTA 56296

RECEIVED 29 Sep 86

September 18, 1986

HQ Electronic Systems Division
OTH-B Systems Program Office
Attn: Lt. V. G. Brown
Hanscom AFB, Ma. 01731

RE: Radar site in Traverse Co., Minnesota

Lt. Brown:

I am writing to inform you that I am opposed to the location of the OTH-B Radar Site in Walls Township and in Traverse County, Minnesota.

I wish my name to be included on the Walls Township petition opposing said site and also the petition opposing the site in Traverse County.

Thank You,

Donald Conroy
Box 486
Wheaton, Mn. 56296

DC/cmh

4-171

Dear Lt V. G. Brown, Sept. 18, 1986
Honorary Mayor.
We oppose the building of OTHB Coastal Radar System in Traverse County, Wheaton, Minn
1st this is prime farmland of the Red River Valley.
2nd They tells us there will be no radiation effects to health. I do not believe this. It can cause Cancer. If not good for birds are animals Why not people? Don't they count?
3rd This land is not only our home but of our family and other farmers not only our supply but is our main source of income for our families business In our town an our state
If our land is taken by Radar we lose right
4th Taxes taken to County
5th It is needed it will be obsolete before it is even finished.
6th After they take only Task out we might have a nuclear waste dump in our backyard before we know it.
7th Lets wake up before it is to late

RECEIVED Sep 86

Yours truly
Sophie Bergler
Paul Bergler

G2, G3, G4, G8

G2

Sept. 8-86

Final Enviromtal Impact Statement.

Question

(1) Are you (Air Force) familiar with the 'Stealth' fighters?

(2) Will this Radar System detect the Stealth fighters?

Douglas E. Finck
Dumont, Minn.
56236

G3

Interior Dept.

Graceville, Minn.
9-22-86

Dear Sirs

I'm a landowner in Traverse County and am in complete objection to this Radar Air Force in our county. Farming is our livelihood + our families depend on it, its our way of life, we all want it to stay that way.

Sincerely,
Cyprian M. Marikart

P.S. There must be another area that would be suitable for it. Please don't put it here on our farmers land

4-172

G3

Received
26 Sept 86

Sir,
In regard to the proposed radar system for Traverse Co. Minnesota we are definitely opposed. We are in an area of flyway for birds. Also this is an area of some of the best soil in the whole world. Agriculture will expand into it as more and the hungry world will be fed. Surely there are marginal areas for your foolish project.

Respectfully, Keith Thiel

4-173

Received
26 Sept 86

9-22-86

James W. Ring
Box 484
Browerville, Minn 56438

To Whom It May Concern

Dear Sirs,

In regards to establishment of air force radar transmitter site.

Our property would be included in the site S.E. of Wheaton. Specifically S W 1/4 section 2 (Browerville) 125 R 45 This land was homesteaded by my grandfather over 100 yrs ago It has helped support this community & provided a living for 4 generations My son-in-law & daughter is currently raising 4 children there. There has never been a welfare check received there. Times are hard here but if you put my son-in-law out of business where is there a job currently for a 33 yr. old man with 4 children?

I will do all in my power to prevent this from happening

Yours truly James W. Ring

129 Sp86

G2, GE

Wheaton Minnesota
September 19, 1986

Dear Lt. Brown,

I had two questions that never got answered at the hearing you had in Wheaton, so I will do so now.

(1) Would any preference be given to having the veteran in the operation or maintenance of the C.T.H. system?

(2) Can the C.T.H. system detect aircraft that are now [redacted] invisible to radar, such as the Stealth Bomber?

Your reply is greatly appreciated.

Sincerely yours,
Walter Schmidtke
R2 B55
Wheaton, Minnesota
56296

4-174

[illegible] 129 Sp86

Dear sirs,

I [redacted] don't like the rader [redacted] because it will take my grandpas farm. And it will take grandpas cows. And it will take Uncle Jimmy's pigs. They would have to move if they put the rader [redacted]. And I couldnt go to Grandpa's farm. Jimmy couldnt farm any more neither could Tommy. And I don't want them to move because I grew up there and spend most of the summer.

Sincerely yours
Daniel Fritz
Age just about 10

G8

SEP 2 5 1986

Dear Sir: Sept 16, 1986

I'm not very good at writing letters but, I hope I can get my message across to you.

As a landowner in Walle township of Wheaton SW Traverse County, Wheaton, Mn. I'm very much opposed to the building of a Radar Transmitter Site here.

My family has been farmers for generations and, to lose this land we've worked so hard for would be mental and physical anguish. We're not only concerned with the environment but, also the health hazards to humans as well, and to our wife.

4-175

We live in an area which is abundant with a great deal of migratory birds as well as other species of birds and animals. The wild geese fly over often some fly so low you can hear them honking. It is a beautiful sight to see. We have many deer and smaller animals that feed in our sloughs and wetlands. You take this away and where will they go. Soon all the birds and animals will become no more. They are Gods creatures and who are we to destroy that.



I hope you will give this your special attention. Not only the people in Walle township but, also in Traverse county are very much opposed.

I have attended all the meetings held here in Wheaton, Mn. and have heard both sides regarding this OTH-B and I'm still strongly against it.

My letter will probably go along with all the other letters you will receive into file 13 the waste basket.

In conclusion, I attend to vigorously oppose this Radar transmitter site in every way that I can.

Sincerely,
Beverly Bartz Gallup

G1, G2, G3, G8 R295DSEIS

Dumont Nm
September 23, 1986

Dear Lt. Brown,

I want you to know that this is not the first letter I have submitted voicing my opposition to the proposed radar sites in Nm (Specifically Tucumcari). I wrote letters to my congressmen and to Col Lee, Mr Harry Ernest & Mr Tom Manning. I, and many others, have also written letters to the editors of our local paper voicing our opinion. Copies of some of the letters are enclosed. I also gave a statement at the public hearing - copy also enclosed. I would like these letters, the copies I have enclosed and my public hearing statement to become part of the final EIS.

The public hearing concerning the proposed radar sites was a farce! We were told by Col Lee in June at the informational meeting that the Air Force reps would stay all night to listen to our concerns. He told us then that anyone who wanted to speak could. He told us that we could voice our opinion and that our concerns would be heard. And what did we get? We were intimidated, humiliated, ridiculed, and laughed at. By a United States Air Force Colonel no less. When a Colonel in the USAF talks to his colleagues makes jokes while testimony is being presented, smirks, laughs and cuts off speakers who have researched and prepared statements, he no longer commands nor receives the respect he should be entitled to. What we learned was a snobbish smart alec superiority that no one could respect. We listened to the Air Force presentation and did not interrupt. When it came time to ask questions, those questions were not answered. Even speakers who could refute what the Air Force was saying - were not allowed to speak. A young girl relating what the radar sites would do to her life, was told to "compose" herself. Please tell me, how do you compose yourself when everything you have worked and sacrificed for is likely to be taken away?

The Air Force thinks we should meekly walk away. Why? If you could prove that the system is needed for national defense. I would think twice about it But you can't. A system such as this - if needed as urgently, now, and won't be completed for several years - is of no use. If we have the technology to send people to the moon and have satellites relaying who knows what, some other system of defense could be worked out too. If we already have planes that can go through such a system undetected, the system itself tends to be slightly behind times. When there is insufficient, or suppressed data concerning the health of this generation and of those generations to come due to radiation factors something very necessary is being overlooked. When in two parts of the country this system is placed far away from people, and then the third is to be set in a highly populated & highly productive area, something else is wrong. When waterways, land contours, wildlife and several other factors are placed before the human consideration, something is definitely wrong. When we don't receive our copies of the EIS until four days before the public hearing - something else is wrong and seems to be that the Air Force really hasn't answered any valid questions and doesn't want anyone to know.

We were treated like unintelligent beings. I want to point out that rural people are learned as well as proud people. Many of us, husbands and wives, have college degrees. Others have learned in work etc. We have also enrolled in college courses and seminars related to our businesses in our effort to maintain and improve our knowledge. We have also learned through our experiences and from the wisdom and experience of our parents and grandparents.

Rural people are proud people. They are proud

of their heritage, their land, and their homes. We also need to retain it all - our heritage, our land, our homes our businesses, our pride and respect and our legacy to our children. We also have a responsibility to the land. Our religion states that we are stewards of the land and are therefore responsible for its management & development. It being passed on to reliable hands that will nurture and love it. I don't believe that the Air Force has any of this in mind.

Because of these reasons listed, but more importantly, because of the loss of life and the destruction of property and pride, we don't need, nor do we want, a radar site here or any where else

Sincerely yours

Shirley Pitts (Mrs.)
RR Box 74
Dumont Md 56236

4-177

RECEIVED
24 Sep 86

Sept. 21, 1986

Dear Sir: G2, G3, G5, G8

I am against the siting of the OTH transmitter system for Groves County. As a farmer and citizen, I cannot see taking productive land out of production, for something that may be obsolete by the time it is operational.

With all the technology available today I cannot see why the Air Force can't come up with a better system that is adaptable to changes at less cost. To spend $600 million plus dollars for a system that becomes obsolete in 20 yrs. seems like a staggering waste of tax dollars. It would be better to use this money to build the Stealth fighters.

If this system is to protect the southern shores of the U. S. why not put this system down in Texas where there are deserts and Air Force bases. If you must set up this system why not put it some place where people don't live, if this system hurts animals it will harm people also.

You say farmers are willing to sell their land to the Air Force. I don't know anyone that will. I chose

farming as a career because I like it. If I didn't like it I would be doing something else. I know what it is like to work off the farm.

How would you like to be the farmer and me be the Air Force and tell you that you can no longer farm your land? Agricultural land should be off limits to a system that isn't fully proven. The day may come when we wished that we had every productive acre in production. There is far more waste land than productive land. We live in an ideal area where every acre can be farmed.

The few jobs that this system would bring to this area wouldn't help the small towns out enough to warrant such an undertaking. This is an Agricultural area that depends on the farmer for survival of the surrounding towns. It looks sort of dismal now, but hopefully things will soon turn around so everyone can benefit.

You say that you need land that drains good and is flat. This land is flat but doesn't drain well. In the past wk. we have had 7" inches of rain, this looks like lake country.

We live in a free country and I hope you take the time to read and hear what we are saying, for we live here and you don't.

Sincerely
Duane Kogahn
RR 1 Box 155
Fenney, Mn. 56582

G6

Yth Hdqr HS
Jeremy Minnesota
September 22, 1966

HQ Electronic Systems Divisions
OTH-B Systems Program Office
Hanscom A.F.B. Mass. 01731

Attn. Lt. J. L. Dixon

I live along with my husband and son near the proposed North site of the OTH-B radar site in Traverse County, Minnesota. We are against the Air Force putting the radar site on our area or any other site in Traverse County.

People in our area think that the radar site will help our community economically, but I say not!

We have friends that live on the Fergus Falls, Minn. Area. It is a retired Air Force Officers. They have a

4-179

very nice home on a lake and has a small business. But they drive 100 miles or more to the Grand Forks Air Force Base PX once a month and buy all their groceries, cigarettes, clothes, shoes, hardware and what have they need. Plus they doctor there and go to the base dentist. They claim to save over $100.00 per month on their grocery bill alone. Does that help your community? I say No!

I feel that the people who work at the site and who maintain it will do the same thing as well as keep their own home lawn looks because they would be stationed that long

in our area for that long of a time.

Sincerely
Sharon Ferguson
RR1 Box 115
Tenney Mill, 56280

4-180

Sept. 25, 1986

G8

Lt. V. G. Brown
OTH-B System Program Office
Hanscom AFB, MA

Dear Lt. Brown:

I am writing in opposition to locating the OTH-B Radar System in Brown County, Minnesota. I am a resident of Sinton Township in Brown County. Part of our farm land is in the Browns North Site and our residence is 1/4 mile from this proposed site.

My main reason for opposing the OTH-B is lack of convincing information concerning health hazards. The following 2 statements taken from the August 1986 Airforce Draft EIS on pages 5 and 6 are not convincing or reassuring to say the least.

"... an in-depth, critical review of the available literature on the biological effects of RFR was carried out."

"In sum, the review of the relevant literature indicates that no reliable scientific evidence exists to suggest that chronic exposure to RFR from the OTH-B radar on or beyond the exclusion fence would be detrimental to the health of even the most susceptible members of the population such as the unborn, infirm, or aged."

The statements I have quoted suggest to me that no new research was done. Why not? How old is this "available" and "relevant" literature? In fact, when was Traverse County researched for the OTHB? How was it researched and studied? One slide shown at the hearing in Wheaton on Sept. 10, 1986 was a map showing neither Interstate Highway 29 nor a major power line running through the Traverse North site. These structures have been for at least 7 years. Why were they not shown on a map? I have the feeling that you used outdated material or "literature" on which to base your decision and this definely shakes my confidence in the credibility of your EIS.

I would like my questions answered in the final EIS.

Please send me a copy of the final EIS. Thank you.

Sincerely
Carole Daniels
Rt 1 Box 9
Tintah Mn. 56583

4-181

131

RECEIVED
BRAC

Sept 25. 1986
Nashua Mn.

To: Lt Col Brown
Dear Sir: G8, G9

Reference: For Submission to Final EIS
Reference to OTH-B Radar System.

As a close neighbor of Traverse North Site resident I am against the OTH-B Radar System because-

Health reasons
will not be good for our area -
interference to TV reception.
I don't know enough study done
on this whole system.
Please send me a copy of the
Final Impact Statement

Thank you.
Lois Brownlee
Nashua
Mn 56561-5

Sept 25 1986

RECEIVED
3 Oct 86

Hearing officer
H Q Electronics Systems Division
PTH-B Systems Program office
Hanscom AFB MA 01731 G3, G4, G8, G9

Attn: Lt V.G. Brown,

I am Diane Ragusa, a land owner in Traverse County I am against the OTH-B Radar System because of the effects of the Radar

1. How much of a Health hazard will the Radar be?
2. How much land will it require and the exact boundary lines?
3. How will it effect our electrical systems television & my radio transmission?
4. How will you assist those who will lose their livelihood and their homes?

Please answer my questions and send me a final Impact Statement also. Thank you

Sincerely
Diane Ragusa
R.1 Box 99
Nashua, MN
56565

4-182

G4, G6, C8

RECEIVED
30 Sept 86

Nashua Minnesota
Sept. 26, 1986

Dear Sir:

In reference to the OTH-B Radar Station I'm not in favor.

As a close resident (3 miles) I'm very concerned as to the health problems this station is going to have.

There are many unanswered questions that need to be answered

How will the land be purchased for this site?

How many people will be employed from our area? people having to sell up from their farms?

Please send me a copy of the final Impact Statement. Thank you!

Sincerely,
Lavonne Fredin
R.R. 1 Box 82
Nashua, Minn.

9/25/86

Hearing Officer
HQ Electronics Systems Division
PTH-B Systems Program Office
Hanscom AFB MA. 01731

RECEIVED 1986

G2, G4, G5, G6, G8, G9

ATT: LT V.G. Brown.

I am Douglas Raguse A Land Owner in Traverse Co North. I am Against The OTH-B Radar System Because of The Effects of The Radar, & Cost To me As A Taxpayer, As it is A Waste, As I Feel it will be Obsolete before Construction!

I would like The Following Questions, Answered in The Final E.I.S!

1. What Effect will This Radar System have on My Nervous System, & Effects on me AT Various Distances From site?

A...T [illegible]

4-183

2.

2. Can This Government Purchased Land be Turned into A ~~[illegible]~~ Nuclear Waste Site?

3. What Effect will it have on My TV, Radio, Two Way Radio's Transmission?

4. What Plans do you have if Waterways & Drainage Are Changed by Grading & Filling in Areas?

Please Send me A Copy of The Final Impact Statement! Thankyou

Douglas Raguse
Rt # 1 Box 99
Nashua, MN, 56565

RECEIVED
NOV 3 0 1986

G2, G8

9/28/86

To Lt. V.G. Brown
Reference for submission To final EIS.
from Harris Richardson.

I am against OTH-B Radar system at North Traverse Site because I really don't see that the coverage is going To help with only 100 miles off shore coverage, I don't believe the effects of the radio waves have been Truly revealed.

I would like copy of the Final Impact Statement Thank You.
I live just across County line To North.

Sincerely
Harris Richardson

Harris Richardson
R.R. 1 Box 161
Tenney Mn 56582



RECEIVED
NOV 3 0 1986

G2, G4, G6, G8

Sept. 25, 1986
Tenney, Mn, 56582

To Lt. V. G. Brown

Reference to OTH-B Radar System

From James E Voss close to the North transmitter site.

I am against the OTH B Radar System.

I do not think it is necessary and will soon be out dated.

You dont need prime farm land to build some experiment on that most likely wont work anyway.

There are to many things that just don't add up. As to the people health and the effect it will have on the community.

Will there be any local use of our community by Air force people?

Also what the law is if a commercial what would stop it from doing an above work things?

I also would like a copy of the final EIS

Yours truly, James E Voss

R3 OCT 86

G2, G6, G7, G8

Sept 27 1986
Tintah, Minn

H.Q. Electronic Systems Division
OTH B Radar Systems Programs Office
Attn: Lt. V.G. Brown
Hanscom AFB, Mass 01731
To: Lt V.G. Brown
Ref: For Submission to Final EIS
From: Mrs John Daniels, Resident Traverse North

Dear Lt Brown:

I am writing to you in opposition of the OTH B Radar System in Traverse Co, Minnesota, North Dakota or South Dakota. I am a Traverse North side resident & feel the radar system in operation could be detrimental to human and animal life.

I would like the following questions answered in the final EIS

1) If your power emitted by the transmitters are averaged & meet standards, how do you explain the baseline as below specifications, for safety levels?

2) If no long term studies have been done on health effects or that you will fly in operation; how can your studies be valid on that basis?

3) If proven damage beyond exclusion fence, how is the Air Force going to compensate for damages done?

4) Who will be responsible for the reconstruction of roads if they are taken up by the exclusion fences?

5) How do you justify taking Red River Valley land out of production, displacement of farmers families, children from schools for a radar system possibly obsolete in 5 to 10 years?

6) When was the Impact Statement researched and the tests of the various studies? One question the validity of updated information since you did not listen of our pleas here?



132

133

Please answer these questions and send me a copy of the final Impact Statement

Thank-you!

Sincerely,

Mrs John Daniels
Traverse County
Mn.

229-2622

4-186

RECEIVED
NOV 3 1986

Sept.27,1986
Verne Platt
RR#1 Box 160
Tenney,Minnesota

Hearing Officer
H Q Electronics Systems Division
OTH-B Systems Program Office
Hanscom AFB,Ma. 01731

G4, G8

Attn: Lt V. G. Brown

Since no Guarantees can be made saying that the proposed OTH-B radar system will not be harmfull to the health of anyone living in or areund the area, I am against its being built, not only in the proposed areas, but anywhere.

I would like the following questions answered in the Final EIS.....

1. What are the health hazards to people?

2. What are peoples recourses, legally, if any health problems occur because of the OTH-B radar?

3. Is it possible that the land used, once obsolete, would be used for a nuclear waste site?

Please send me a copy of the Final Impact Statement. Thank-you.

I respectfully request this letter be placed in the official testimony being taken on this proposed project.

Sincerely,

Verne Platt

134

copies to:
Rudy Perpich, Governor
State of Minnesota

Senator Charles Berg
Minnesota Senator

Senator Rudy Boschwitz
U.S. Senate

Representative Vin Weber
U.S. Congress

Senator Dave Durenburger
U.S. Senate

RECEIVED
3 OCT 86

G2, G8

Venlaw, Min. 56583
Sept. 26, 1986

Lt. V. G. Brown,

We have land in Minn. Willow and Traverse County, in Willow City T 130N R 45 W sec 32, in Traverse Cty. T 129N R. 45 W sec. 5 all in your study area for a Central Radar System.

Our son in law is farming with us. If our land were to be taken from us it would ruin us materially & emotionally because it would be nearly impossible to start again in a new location! I'm am opposed also because not enough information is known as to the effects it will have on people even 50 or more miles from it.

This seems to be a serious waste of many things, land, money, people etc for something that will likely be obsolete in twenty years or less!

Sincerely,
Donald McEntaggart

4-187

RECEIVED
3 OCT 86

Sept. 25, 1986
G3, G4, G6, G8

To: Lt. V. G. Brown.
Reference: To Submission to Final EIS
From: Jean Ostrom Resident Treasure County North.

I am very much opposed to the O+H-B Radar System for a number of reasons; 1) Health; There are so many unanswered questions - We have heard it is unsafe up to 180 miles away. What does the radiation do the unborn?
2) Once this System is obsolete then what will the land be used for? A dump site?
3) Farm displacement) - This will have an effect on the local School districts. These families don't want to leave their farmsites. And we call this a "Free Country"!??

135

Sept 25, 1986

Lt. V. G. Brown

RECEIVED
30CT 86

G8

I live in the area north of Wheaton, Minn. that you want to build a transmit site for the O. T. H. - B. Radar System.

I am very much opposed of this as I have lived and farmed this land all my life, and when I retire want to turn this land over to my son Larry who is farming with me now.

I have build up this land with much ditching and other soil improvment, plus build a complete set of building, that would be all lost after all my years of work, even if it is not build on my land I am still concerned for the radiation it would give off in the surrounding area

Yours truly
Marvin Pagnac
Box 25 RR 1
Tenth, Minn
56583

This land is very rich & very good farm land. I am opposed to this system be built on such land. I see there some where you can build it without people rich land to waste?

Sincerely

Jean Putnam
Traverse County
Norcia

RECEIVED
3 OCT 86

Sept 25, 1986
RL Kosen
Campbell, MN

G8

TO: LT. U C. BROWN
REFERENCE: FOR SUBMISSION TO FINAL EIS

I Am opposed to the CTH-B Loran System because of the heavily populated Area they wish to locate & the many unanswered health hazards.

Sincerely
Al Kosen



RECEIVED
OCT 27 1986

September 23, 1986

1504 3rd Avenue So
Wheaton Mn 56296

Re. Wheaton Radar Site

Dear Lt Brown:

My husband and I would like to take a few moments to thank you for the encouragement that our opinions does count so each citizens input, although silent, has an impact. That is so important in a community when has a few dwindling many by their vocal opposition to what I consider an "OK" deal. It is difficult in a small community to openly display concerns which some consider personal vocalization of a way of life, ie-farmers. So with your encouragement balanced by the screaming of a few irrational people in Wheaton, I, and my husband, would like to go on record and have our two cents count as favoring your radar site choice of Wheaton. For a community that is dying downtown and dying on the country side, this is the first offer of any salvation for us. Thanks for the opportunity!

Randonna Pagnucco wife of Peter
Peter Pagnucco Spouse of worker

RECEIVED
SEP 30 1986

Sept. 26, 1986

To: Lt. V. G. Brown
Reference: For Submission to Final EIS G3, G4, G5, G6, G8

Dear Sir;

I am very much opposed to the OTH-B Radar System for a number reasons, There are so many unanswered questions.. For health reasons, rich productive land, families will have to move--our school district will suffer our tax payers will suffer.

Will this transmitter have an effect on the wildlife in the area?
If the water and drainage be rerouted--will this cause a problem?
When this system is obsolete--what will the land be used for?

This land if very productive and many families would suffer if this Radar Site be placed in Traverse County.

Sincerely,

Mrs Otillia Auxe

Traverse County North

4-190

RECEIVED
SEP 30 1986

Sept 25. 1986
Ortal, MN 56583

G6, G8

To: Lt V G Brown
Reference: In submission to Final EIS/Reference to OTH-B Radar System

Dear Sir

I am against the OTH-B Radar System & am accross the road from Traverse County and am very Concerned about our environment and our people

I would like the following questions answered. How will our schools and etc Continue with fewer students? And who will pay the taxes on that land? Will it be a health hazard? Have studies been done on that? This hasn't been explained to my satisfaction.

Please send me a copy of the final impact statement. Thank you

Sincerely,

Judy A. Stumpf
Ortal, MN 56583

RECEIVED
NOV 06 1986

Sept. 25, 1986
Tintah, MN
56583

To: Lt. V. G. Brown, G2, G8

Reference for submission to Final EIS
From: Kathy Keller Resident Tiawasa North
I am very much against the Radar
System. As a Tiawasa North Site Resident
I am opposed of the Radar System because
you are not certain or are not telling us?
what exactly the effects are on health!
It is also obsolete already so why do
you want it?
This is our life here + your goal
which you can come in here + ruin our
future for us — This is supposed
to be land of the free - Boy you
sure would'nt know it anymore!!

Sincerely
Kathy Keller
Rt1 Box 4
Tintah, MN
56583



G4, G6, G7, G9

RECEIVED
NOV 06 1986

To: Lt. V. G. Brown
Reference. For submission to Final E.I.S.

My name is Richard Keller.
I am a resident of the Tiawasa
north site.
I am opposed to the O.T.H. Radar
System for reasons which I have
already stated at the public hearing
in Wheaton.
However I have several questions
I would like to have answered in
the final E.I.S.
Is there conventional radar covering
the two areas of 180 miles on both
East & West coasts which the purposed O.T.H.
is supposed to cover?
Being that you were not aware
of the power lines through the Wheaton
north area, which has been there since
the late seventies. When was the
environmental study done on this project?

Being that this project could partly or fully disrupt a farm that has been in the family for generations. How can a price be put on the human aspect of this disruption and do you plan to address this problem if it should happen?

Is there any compensation for the devaluation of land that would occur near the site?

Is there any compensation for the inconvenience of lost roadways, lost T.V. and radio reception?

I would appreciate a copy of the final impact statement, Thank you!

Sincerely,
Richard Bellu
Box 149
Tenney, Mn 56582



G4, G6, G8

RECEIVED
MAY 30 1986

TO: U.V.G. BROWN

FOR Submission to FINAL E.I.S.

Dear Sir,

I am Jacinta Putnam and I am in 6th grade. I Live in Traverse county North. I am writing to you because I am opposed to the O.T.H.-f Radar System. These are my questions

Would my family have to move?

(the site would not be directly on our land, but would it be safe to live right next to it?)

What will happen to this land when the system is obsolete?

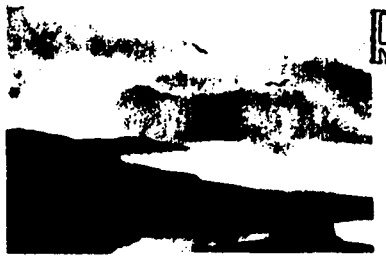
What would happen to our school district?

I don't really see the need for this radar system, and I beg you Not to chase these farmers off their homesteads and Rich land.

Sincerely,
Jacinta Putnam



TO
Lt. VG.
Brown
For
Submission
TO Final EIS



RECEIVED
30 Oct 86

G2, G4, G6

Dear Sir,
I am Jessica Putnam.
I am in 4th grade.
I am ten years old. I live in traverse county North. I am writing to you because I am apposed to the O.T.H-B. Radar System. These are my Questions. Would my family have to move? Will we get paid for giving our Land to you? What would happen to our school District?

what's going to happen to everybody?
I don't see the need for this Radar System.

Jessica
Putnam

4-194

G2, G4, G6, G8

RECEIVED
DEC 1 8

Sept 25, 1986

Dear Lt. V. L Brown.

We are residents of Traverse City and live in Suttons Bay and are very much opposed to OTH-B Radar System because it is very frightening. We are concerned for our family, our friends and ourselves.

We should like to know more and be better informed on the health problems this could cause. Will there be a chance for Hearings. Yes ☐ No ☐?

There really isn't much chance or reason for the young families to stay around here if this is true.

Is this area already covered by Radar yes ☐ No ☐? A few years ago we listen and were scared to death many times by planes flying under Radar. Why did they spend so much time and money doing that if there isn't Radar in this area already. Are we covered by Radar already. Yes ☐ No ☐?

I really would like some questions answered.

Like what will they do and the land when they are done with it?

Will the System be useful the people and Area are not? Will they be transfered in an

and out and live as Community?
We would like to see a copy
of the Fiscal Impact Statement.

Thank You
Sincerely
Mr. & Mrs Ron Nieschc
Box 24
Tintah, Mn. 56583

Address
Ron Nieschc
Box 24
Tintah, Mn 56583

4-195

G5, G7

[illegible] 10

[illegible]
[illegible]

[illegible]
[illegible]
[illegible]
[illegible]

I am opposed to the [illegible] system
being installed in the North Dakota-Minnesota
[illegible] I am concerned about the
environmental effects. We have many concerns about and are very worried about the [illegible]
of this on neighboring farmland & dairy
herds also.

Sincerely,
[illegible]
[illegible]

Sept. 25, 1986
Tintah, Minn. 56583

RECEIVED
SEP 30 1986

G1, G4, G6, G8

To: Lt. U.G Brown,

For submission to final EIS/
Reference to OTH-B Radar System
from Jerry Keller Resident Traverse North

As a Traverse North Site resident
I am opposed of the OTH-B
Radar System because of all
the health hazards involved. And
all the farm land to be
damaged around the site.

I would like the following
questions answered.

Why wasn't the meeting handled
in an orderly manner?

What happens to the farmers
that have land and live in
the site?
What happens to our Children?

(Opt) Please send me a copy
of the F.I.S.

Thank you

Sincerely,
Jerry Keller
Tintah, Minn.

Please send me a copy of the final
Impact Statement. Thank you.

RECEIVED
SEP 30 1986

[illegible]
Tintah, Minn. 56583

G1, G3, G5, G8

Lt. U.G. Brown

Dear Sir,

I wish to submit our opposition to the OTH-B Radar System. The test area, [illegible] Traverse North Site, was not properly informed, has not been properly researched, the people have not been. There are 10 year olds and the research didn't know it was here, does that not negate a current research.

We went to the Wheaton Information Meeting and were aware that the questions chosen to be answered were carefully monitored. We ask Why, and though that made us displeased courtesy and respect, it was curtly dismissed and Col. Lee, upon being questioned more than once, endeavored to suggest the people didn't understand with presentation. Certainly it was intimidating.

Are you and the Air Force ready to guarantee me that my grandchildren are absolutely safe from future health problems like "Love Canal" of radiation sickness to me.

The drainage problem could be immense. Can we trust engineers who know nothing of the problems here. If the wetland in the Red River Valley, much farmland is needed for the project, [illegible] Jerry Keller, Tintah, Minn.

G2, G3, G6, G8 [illegible]

Sept-23-1986
Penney-Minn.

ESD-SCO
Att: Lt. V.B. Brown
Hanscomb. AFB. Ma 01730

In regard to your OTH-B Central Radar Sytem: We are opposed to it.

The farm quarter sections of 21-27-28-29 in the North-least Wheaton Area.

The fact it is dangerous to the health of birds, animals & humans in and around it. You have not researched it enough to make us feel otherwise. Show us the long term effects of people in & around your Maine & Calif systems (which you have not had time to do - only 10-30 years. We enjoy watching the birds migrate & the animals in the fields. They will disappear with your project.

The deal that it is necessary & will be completed before completed; If it is completed! we have traveled enough to see projects abandoned all over the U.S. (by the govt.) They leave an ugly mark on our land to say nothing of the havoc they created in the area in the first place. The U.S. govt already has Stealth bombers (which they wont admit to) but we know one crashed out in Calif last Spring. What makes you think or already know that other countries dont have the same.

They don't want to look at the ugly thing. We have worked long & hard years on this farm - replaced all our buildings - planted 1000's - yes thousands of trees - improved the land & have a quality of life that you wish to destroy. Any one who has ever farmed knows it not easy with poor prices & bad weather - now we have to fight your project too & fight we will.

Are sons are coming back to take over our land when we can no longer do it - Are you going to take that right & will away from them. What are people our age (in our early 50's) to do for a living if we are forced off our land. This is what we know how to do - what to do & I might add do a good job of!

As far as the scattered few letters you may get from area farmers wanting to sell their land to you. They are the ones who couldn't make it farming & see a way out. Father Joey spoke on that at the Wheaton meeting. Greed & Greed is all it is. If they wish to sell let them sell to an Area farmer & keep the land in production. Farm land can never be replaced.

As far as short term economic growth (if any) it won't compensate for the loss in taxable land which the rest of the area will have to absorb. You know & you know it will be high tech jobs (perceived perhaps from the nearest air force base) perhaps 1 farmer in 100 could realize a job

4-197

from it.

I could go on & on - but would I'm sure you have received 1000's of letters such as mine. We are opposed to this project any where in the area & will fight in any way we can to keep it out.

Sincerely,
Rosemary Janke
Myron Janke

4-198

To Lt. U.C. Bowen
Reference for submission to Final EIS / Reference to OTH B Radar System
From Craig Pearson Reservation Tribunal Board

As a resident of the Tribal Land Site I would like to express my opposition to the OTH-B Radar System.

Sincerely
Craig Pearson
Finlen MN
56687

**Wheaton-Dumont Coop Elevator**
GRAIN — FEED — FERTILIZER — SEED
A FARMER OWNED INSTITUTION WORKING FOR THE BEST INTERESTS OF THE COMMUNITY
PHONE 563-8152
WHEATON, MINNESOTA 56296

RECEIVED

G3, G6

Sept. 24, 1986

Be it resolved that the Wheaton-Dumont Coop Elevator Association hereby voices it opposition to the Proposed Back Scanner Radar project in Traverse county. The loss of Prime Agricultural Farm land to the project will result in the loss of revenue and employment to the Wheaton-Dumont Coop Elevator Assoication.

Board of Directors: Wheaton-Dumont Coop Elevator

Owen Kohler mgr.



RECEIVED
3 Oct 86

G3, G8

Lt. U.G. Brown -

In regard to the OTH-B Radar system - we are very much opposed to building it in our area. All our farm land is included in the North - Traverse area. We as a family have worked many years to build our farm where it is today, the land as well as all the buildings. We have rich farm land here where we raise wheat, barley, soy beans, and sugar beets.

If this system needs to be built we feel there is land where it is less populated or barren land.

We are also concerned about our health if it is built near us.

Sincerely,

Ogne Ragnas
Tintah, Minn
56583

RECEIVED
R3 OCT 86

G1, G2, G4

Mr. and Mrs. Loval Fritz
Dumont, Minn
56236

Let's build a radar site on prime farm land and give the farmer a depressed price for his land, then leave him without income and with a large debt.

Let's tell the people involved that they will all be heard at a meeting, even if it takes all night, then limit the meeting to 90 minutes. Tell them that it will be safe for them, but not for wildlife. Tell them shuttle power will be shut off when they want to do field work next to the fence. Let's change the EIS and say it's not up to date.

Let's build a Central OTH-B Radar System 1500 miles from the Coast to detect airplanes when the weather conditions can limit it to less than 500 miles and then tell the people the Russians don't know that the weather here will limit this systems use. A plane you want to build that will fly to Japan in 2 ½ hours can fly above this radar - In plain words it's just a waste of Tax Dollars just like all the other sites around the country - then lie to the tax payer that we need more money and run the nations debt higher. In fact this system is obsolete before it's built. It has a range of only 500 miles when weather conditions are right. Also one man can shut the system off the line by cutting the power to it or blowing it up with a small drone plane etc.

Let's build it anyway - just like the shuttle launch in Calif., the Bradley tank (2000 built?) then we'll test it and when people die from it, we'll just lie, as was the case of dead and sick sheep in Idaho, and Agent Orange in Vietnam.

I want a signed statement from the Sec. of Defense and the Air Force that this is safe, not just words out of the mouth that don't mean anything.

Where is all the radar at the airports that will let a plane fly all the way from the Coast to Minnesota to both the B-1 at Grand Forks Air Force Base! Or are we just guarding Canada

Loval and Helen Fritz

4-200

RECEIVED
R3 OCT 86

Campbell, Mn.
Sept. 27, 1986

G1, G4

Lt. V. G. Brown
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, MA 01731

Sir:

I live just north of the proposed OTH-B Radar System and I am opposed to this project.

Several questions come to mind.
1. Why can't some independent organization conduct a study of the enviromental impact of this system?
2. When was this study done? How is it they didn't know about the power line in this study? 136
3. The average power output.
4. What do they mean by "local" purchases?
5. If so important for defense why are they using local power? 137

Please send me a copy of the Final Impact Statement.
Thank you!

Sincerely,

W. J. Doyle
Rt 1
Campbell, Mn. 56522

Sept 28, 1986
Kathleen Carlson Minnesota
R.R.1 Box 102
Tenney, Mn
56580

Lt. U C Brown
For submission to final EIS. G6, G8

As a Traverse North Dak concerned citizen, I am opposed to the OTH-B Radar System.

I am concerned about the health hazards since there are no long term studies available do you really know any long term effects on nervous & immune system disorders?

I am especially concerned about farm displacement and taxes. We are a small school district. We love our area because of the sense of area and small school. We have to struggle to keep it going. To take farm families from our area and with them farm taxes it is another blow to our school.

Dec. 25 1986
Tenney Minn
56583

G8

To Lt. U C Brown
Re: Reference To OTH-B Radar System
From Mr & Mrs Bernard Lehman Residents of Traverse North

We are against the OTH-B Radar System as a Traverse North Dak residents

We feel there is a lot of Health problems with this System.

As a Tax Payer land Owner I am against To the OTH-B Radar System.

I Feel that you People calling Now what you going To Do But we are not hearing all the Answers and Facts on the Cost of the Project.

Sincerly
Bernard Lehman
RR#1 Box 1
Tenney Minn 56583

RECEIVED MAY 1 1978 S.E. Traverse County

Dear Sirs,

My husband and I very much oppose having the O+H-B placed in Traverse County. It would take our means of living, our farm and home and endanger the animal species known to some as man or farmer.. Col Lee said your decision would be based on the amount of opposition. Please note we all oppose this move by the H.F.

Thank you

Mrs. Lloyd Behrens

138

Just how much many of our farm families and farm taxes will you be taking?

Also would like a copy of the Final Impact Statement

Sincerely,
Kathleen Barth

4-202

DATE 9-29-86

SUBJECT OTH-B radar system near Tintah, Mn.

REF NO ..... (WHEN REPLYING PLEASE REFER TO THIS SUBJECT AND NUMBER)

RECEIVED 2 OCT 86

MEMO TO

HQ Electronic Systems Division
OTH-B Systems Program Office
attn: Lt. V.A. Brown
Hanscom AFB, MA. 01731

G1, G6, G8

Dear Sir,

I'm writing out of frustration over this radar system. I'm told we can write and have our opinions used as input to the final decisions about this system. I'm frustrated because we were not informed sufficiently to have a opinion one way or the other. Whether we are put on the defensive they react in a negative way. I was not aware there was a location in northern Traverse county until 9-25 and I heard about it through word of mouth.

I have heard alot of negative ideas about this system since 9-25- and have also read the environmental impact analysis process booklet. The information there seemed to be based on studies unrelated to the particular system.

Part of my family will lose 3/4 of their farm to the Traverse North site. The rest of us live just outside the designated site. I'm very concerned about our health.

We live in an area that suffers one of the highest cancer ratio in the nation. What effect will

DATE .....

SUBJECT .....

REF NO ..... (WHEN REPLYING PLEASE REFER TO THIS SUBJECT AND NUMBER)

MEMO TO:

the system have on those statistics?

I'm a private pilot. I have been inactive lately but am not removed totally from public aviation. What problems will be caused by the system?

There are dozens of questions I would like to ask and would have asked if allowed the opportunity. I believe in a strong defense against the USSR. That is why I'm disappointed we were not given more information.

If there is still time, please allow us the courtesy of a chance to have our questions voiced and answered. The Air Force is too great an organization to stop at less.

Sincerely,

Ray Shuck
Box 63
Tintah, Mn.
56583

4-203

G2, G6, G8

RECEIVED
OCT 0 8 1985

Lt. Brown,

We are writting in opposition of the OTH-B System proposed for Traverse County in Minnesota at all 3 proposed sites in Traverse County.

We have a family farm. Family farms are having enough trouble surviving these economic times much less to have the Air Force come in & remove them from their livelyhood that has been in their families for many generations & hopefully for many more generations to come. What are these displaced farmers going to do? Farming is the only life that they know & love or else they wouldn't still be here, farming.

We don't have any land directly involved, but are directly south of one proposed site in Traverse County. What are our land values going to do? What are our real estate taxes going to do? Who would want to buy land within 6 miles of an OTH-B System?

We have 4 sons. What are the health hazards? What are the hazards to the land? What are the hazards to wildlife? What are the hazards to our way of life?

How can the Air Force try to put in place a system that has so many unanswered questions concerned with it? Is it going to work when it is finished or is it going to be outdated & a waste when its finished? All that land, families, livelyhoods & pain. What for?

We state once again, that we are opposed to the OTH-B System proposed for Traverse County in the state of Minnesota.

Sincerely
Mary E. Aens
Kenneth F Aens

9-25-86

G8

OCT 0 8 1986

Dear Sirs

I am writing in regard to the Over the Horizon Backscanner Radar site proposed for the area around Tintah. We do not wish to have such a site there and it would include a ½ section that we own. The land was purchased by my Grandfather & later by my own father.

We are also concerned about the effect it will have on our health and well being. I don't like the idea of it being a possible waste dump either.

We hope you will change the location or forget the thing altogether.

Respectfully,
Marcine Ann Porter

4-205

To Lt V.G. Brown
for Submission to final EIS.

Melea Grant
HQ Electronic Systems Division Age 4½
OTH-B Systems Program Campbell Minn
Office Attn.: Lt. V. G. Brown
Hanscom AFB, MA 01731

Dear Sir, I'm writing to you Because opposed to the O.T. H-B Radar System

This Radar System is affecting our schod friends and my family. Why do we need this Radar System in our land.

Wilkin County

OCT 06 1986

9-27-86
Mr + Mrs Jim Mann
Box 181
Campbell, Mn 56522

To: Lt. V G Brown
Ref: for submission to final EIS

We wish to have our opposition to the OTH-B Radar site of Traverse North be noted.

We hope that the following questions will be answered in the impact statement.

1. Why take some of the most fertile land in the country out of production?
2. What will be the effect of these radio frequencys on the health of the people, livestock, and wild life?
3. Why aren't the people of an area given more choice in the rule of their land?
   — Or have we come to the point where what the military + government officials say is what must be done and damn the feelings or costs to the common citizen?

Please send us a copy of the final impact statement. Thank you

Sincerely
Jim + Sybil Mann
and Children

4-206

OCT 06 1986

Sept 24, 1986

Dear Lt. Brown

I am a resident in northern Traverse Co. in Tintah, Mn. I am against this OTH Radar System. I can not believe this is happening. It's going to wipe out land, wild life, water drainage, businesses, schools, churches, and mankind itself. It's very scarey!! There has not been enough studies done on the affects this system will have. Do not allow this to happen. Please!! If we must have this system there are other sites with no people involved. Use one. Stop this!

Please send me a copy of the final Impact Statement. Thank you

Sincerely
Cindy Flanagan
Tintah
MN. 56583

Traverse City, Mich.
Oct 7, 1984

G2, G3, G4, G5, G8

RECEIVED
23 OCT 84

Dear Mr. Brown,

After mailing my comments on Oct 3, I discovered a mistake on page 3. Several words were left out in the 2nd paragraph when my comments were typed; and in my haste to get it proof read and mailed so it would arrive before the deadline on Oct 6, I failed to catch the mistake until after it was mailed.

The enclosed page should be used to replace the original page 3. Thank you!

Sincerely yours,
Robert Berg

4-207



I am oppossed to placing the OTH-B in Traverse county because this is prime farmland that is being considered for the site. What a terrible waste of natural resources it would be to take away 2,400 to 4,000 acres of prime farmland, some of which would be ruined, when there is so much less productive land available. It's not only the loss of prime farmland, but what it will do to the land values in the vicinity of the transmit site, that causes concern. No one who believes that there are harmful effects from low level radio frequency radiation is going to want to live or farm near a transmit site.

I am very concerned about the radiation from the transmitters, and so to gain an understanding in this matter, I have been reading in 3 books on the subject. The books are, "The Zapping of America" by Paul Brodeur, "The Body Electric" by Robert O. Becker, M.D. and Gary Selden, and "Electromagnetism and Life" By Robert O. Becker and Andrew A. Marino. I have also read what both the Central and the West Coast environmental impact statements say on the subject. I have also heard expert testimony on the subject. On the basis of what I have read and heard, I don't want my family and I or any farm family in Traverse County to be forced to live near an OTH-B radar transmit site. Page 4-42 section 4.13.1 of the draft is the last part of the paragraph says "In all cases the highest values of average power density to which the general public would be exposed just outside the exclusion fence would be the maximum permissible values adopted by ANSI". (ANSI, 1982). 4.13.1.2 says, "The exclusion fence would be built so that ouside the fence the ground level RFR would be below the value recommended as safe by ANSI." 4.13.1.3 is similar.

OCT 0 6 1988

Statement of opposition to the
proposed CRS OTH-B Radar System

Robert Berg
Box 31, RR 1
Chokio, Mn. 56221

Land owner, Farmer, Dollymont Township

4-208

I am totally oppossed to the Central OTH-B radar proposal, because of the many serious flaws, and errors that I see in it. 139

An obvious flaw, is the omission of a standby power plant of sufficient size for transmitting. On page 2-8 of the draft, in section 2.1.1.6, it says, "The transmit site would require 16 MW of electrical power, and the recieve site would require 1 MW of electrical power. The Air Force intends to buy power from commercial sources near the selected sites. If two highly reliable and independent sources of power were available, the Air Force would not build standby power plants. If the necessary reliability could not be obtained in this way, the Air Force would construct a standby power plant at each site with sufficient capacity (1 MN) to meet all requirements except those for transmitting." Common sense, and the history of one of the power lines in the Wheaton area, indicates to me that these transmission lines are so vulnerable to sabatage, and the difficulty of protecting approximately 300 miles of transmission line, so great, there simply won't be any electricity to power the transmitters in a war time situation. Also, if sabatage was carried on over an extended period of time, an act of sabatage won't even provide a reliable warning of impending attack. I have noticed in the final draft 139
of the West Coast OTH-B system that it will have a 16 MW standby power plant, but I've also noticed that the Airforce calls it a soft system. I agree, but in comparison the Central OTH-B proposal is obviously without survivability.

We are told the Airforce plans to use civilion security people I doubt that they could successfully repel a determined attack by even a small heavily armed attack force.

The receive site appears to be sensitive to interference generators, and there may be devices that can temporarily knock it out of use.

The OTH-B can't be used to detect ballistic missles, because their trajectory is too high. It can't be used to the north, because of interference from the northern lights, and the same will sometimes affect its use in other directions also.

There have been many news reports about our Stealth program. One report says that we already have about fifty operational stealth jet fighters and that at night or in cloudy weather the Stealth fighter has proved to be virtually invisible to radar and infrared detection systems. If these reports are true it means that regular microwave radar is becoming obsolescent. The status of OTH-B radar is uncertain because it is classified information. However, the fact that OTH radar is not new, and Russia has had it for many years, but nevertheless we are building Stealth planes, should tell us something. The stealth technology seems to be very effective and moving very fast. I think, that within six years, the time it would take to construct the Central OTH-B radar,that OTH-B radar may be obsolete.
The news reports revealing that hundreds of secret and top-secret documents, tapes, films, photographs and other materials are missing from Lockheed, and reportedly are about a secret stealth type aircraft the F 19, is very alarming. Security that lax practically guarantees that the U.S.S R. will have operational stealth planes before the OTH-B radar is built.





I am oppossed to placing the OTH-B in Traverse county because this is prime farmland that is being considered for the site. What a terrible waste of natural resources it would be to take away 2,400 to 4,000 acres of prime farmland, some of which would be ruined, when there is so much less productive land available. It's not only the loss of prime farmland, but what it will do to the land values in the vicinity of the transmit site, that causes concern. No one who believes that there are harmful effects from low level radio frequency radiation is going to want to live or farm near a transmit site.

I am very concerned about the radiation from the transmitters, and so , to gain an understanding in this matter, I have been reading in 3 books on the subject. The books are, "The Zapping of America " by Robert O. Becker, M.D. and Gary Selden, and "Electromagnetism and Life" by Robert O. Becker and Andrew A. Marino. I have also read what both the Central and the West Coast environmental impact statements say on the subject. I have also heard expert testimony on the subject. On the basis of what I have read and heard, I don't want my family and I or any farm family in Traverse County to be forced to live near an OTH-B radar transmit site. Page 4-42 section 4.13.1 of the draft in the last part of the paragraph says. "Inall cases the highest values of average power density to which the general public would be exposed just outside the exclusion fence would be the maximum permissible values adoped by ANSI". (ANSI), 1982) 4.13.1.2 says, "The exclusion fence would be built so that outside the fence the ground level RFR would be below the value recommended as safe by ANSI". 4.13.1.3 is similar.

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What the American National Standards Institute recommends as safe, will allow ranges from 90 down to 5.75 times as much radio frequency radiation as the International Radiation protection Association guidelines in the frequency range of the OTH-B Radar. The ANSI standards also allow far more R.F.R. than the U.S.S.R., or Poland, or Czechoslovakia limits. The previously mentioned books state the U.S.S.R. limits as one microwatts per square centimeter for general population and 10 microwatts per square centimeter for occupational. The American National Standards Institute power density limits for the OTH-B 5-28 MHZ range are 36 to 1.15 mW/cm². This is the same as 36,000 to 1150 microwatts, and these are vastly higher than the U.S.S.R. will allow. 140

It is alarming to see that Russia with its history, gives its people that much more protection from R.F.R. than ours does.

On the basis of what I have read and heard, I believe that there is sufficient evidence to believe that long term exposure to R.F.R. from the OTH-B will be harmful to health. 141

I believe the OTH-B radar will be health and life threatning to birds that fly at slow speed and low altitude in front of the transmit arrays, or that land within the exclusion zone. In Wheaton S.E. I am concerned about the Fed. endangered species that migrate through this area- the Bald Eagle and the Peregrine Falcon. I'm also concerned about the state endangered and state special concern species mentioned in section 3.5.5.7, but this section is not complete, because we also have state endangered Burrowing Owl, and the state special concern Marsh Hawk in the Wheaton S.E. area. Traverse county receives a large migration of Whistling Swans which are now called Tundra Swans, and large numbers of these feed and rest in the Wheaton S.E. area for about 142





two weeks each spring. They normally fly at low altitude. This area also receives a large migration of Canada Geese. This area is the migration route for the geese that use the Lacqui Parle game refuge. Large numbers of raptors of many species migrate through this area and many species, Redtailed Hawk, Sparrow Hawks Marsh Hawks, Burrowing owls, Great Horned owls and etc, nest in this area along with large numbers of morning doves and other migratory and non migratory birds such as Redwing Black Birds, Purple Grackles, Robins, Pheasants, Hungarian Partridge, pigeons, Barn Swallows and others too numerous to mention. Large numbers of Franklin Gulls use this area, and also Blue Herons and egrets. Many of these would be in danger from collision and radiation because of their flight and or feeding or nesting characteristics. The Gulls will be especially vulnerable because of their low soaring against the wind flight characteristics 142

I believe a flyway shouldn't even be considered as a place for the OTH-B radar. I think the Central OTH-B radar, if built may come to be known as the worlds biggest bird killer.

Many wild animals will get into the exclusion zones. Wheaton S.E. has Raccoon, Red Fox, Badgers, Skunks, Jack Rabbits, Cottontail Rabbits, Mink, Beaver, Muskrats and etc. These will be in danger if they get into the exclusion zone and they almost certainly would. Also Farm dogs and cats may get in. In the winter the exclusion fences will be burried under snow drifts which will allow easy access to the exclusion area for the animals that don't hibernate. In addition to the wildlife there are also large numbers of livestock in Wheaton S.E. There are eight cattle feed lots and some hog operations within or on the border of the area, and several cattle feedlots, hog operations a sheep

operation and a dairy farm in close proximity to the site. I am very concerned about possible effects on livestock, both from radiation and the large amount of electricity that will be induced into the ground which could have a stray voltage affect.

In the Draft Environomental Impact Statement for the proposed Central Radar System on page 4-10 section 4.3.2.7 Wheaton S.E. it says, "because it is impossible to locate the transmit site to avoid the sections that are crossed by Twelve mile Creek or its branches, the creek channel would be culverted or diverted as described in Section 4.3.1. Because all these branches have been designated as state-protected water courses, a permit would be required to make these changes. Because minimal grading and relatively minor alterations to the drainage pattern would be required, impacts on water quality would be small." It is obvious to me, having lived beside the mainstem of Twelve mile Creek for fifty four yearsand farming land beside both the mainstem, and east fork, and having seen every spring breakup and every major flow of water in Twelve Mile Creek from my childhood, that the statement that it would take minimal grading and minor alterations to divert or culvert Twelve Mile Creek was probably written by a person who has never seen Twelve Mile Creek and its east and west forks. and doesn't realize that Twelve Mile Creek and its' forks have valleys of approximately one eighth of a mile wide in which the stream channel lies. Twelve Mile Creek and its' forks is the natural part of a large and important drainage system. The creek carries tremendous amounts of water during the spring runoff and after heavy rainfalls. It flows fast enough to be self cleaning and has not required maintenance. The high waters are contained by the creek valleys and in this site area have

143

4-211



never overflowed on to high ground. The high water mark in my lifetime, was in the spring of 1969 when the creek valleys were almost full. There were many other times when the creek got close to that mark. The main stem of Twelve Mile Creek and its' east and west fork has a long history of washing out bridges, culverts, and roads but is an excellent drainage system and the spring runoff is handled by the creek regardless of whether or not the creek channel is clogged by snow.

There was good reason for making Twelve Mile Creek and its forks protected waters. No attempt should be made to culvert or divert any part of this natural system because doing so would require the movement of huge amounts of material and the changes could easily result in devastating flooding of the high level ground. If it was, who would pay for the maintenance of the culverted or diverted sections when the Air Force was done with the area? Who would pay for damages if the modifications resulted in flooding of crops, farm buildings and homes?

This drainage system and the good soil in Wheaton S.E. are contributing factors in making this area among the highest producing areas in several counties, which is why there are so many family farms left in this area. On some of these farms there are several people receiving income from the farming operations and many are third and forth generation farmers.

143

This Central OTHB-B proposal is so full of flaws it is difficult to understand why our Airforce wants it. Is there a secondary purpose behind this? I have noticed for example that NC-6 which is a proposed potentially acceptable site for high-level radioactive waste, and the Thief River Falls study area

for a recieve site are both on the same rock body with approximately all, except the southeastern area of the recieve site, overlapping NC-6. I have also noticed in section 2.1.1.9 decommissioning, that if the land was purchased it would be made available for other federal use when it is decommissioned. Is this a back door attempt to get a radioactive waste site or maybe a toxic waste site? Or can it be used as a communication system?

In conclusion, I beleive in a strong national defense, but it isn't national defense to build and rely on a system that doesn't have survivability, that may be obsolete before construction is finished and which in the process could harm the health of the people, birds and animals in its vicinity, destroy prime farm land, sever roads, destroy natural drainage systems, and totally disrupt and maybe destroy many farm families. I think the harmfull effects far outweigh any possible deterrent effect on an enemy.

4-212

OCT 06 1986

Box 10
Dumont, Mn. 56236
September 29, 1986

G3, G8

Lt. V.G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Lt. Brown;

I am writing in regards to the proposed Over the Horizon Backscatter Radar Transmit Site for Traverse County, Mn. This letter should appear in the final Environmental Impact Statement due to be released Nov. 1986.

In the Draft Environmental Impact Statement it states there are no ionizing rays given off from the OTH-B. What about the level of non-ionizing rays given off? We want to know the exact amount and the effects they will produce in living tissue. In the only health study the Air Force has been involved in, I'm referring to the one done at the Univ. of Washington School of Medicine during 1978 and 1985, the results in the rats who were exposed to electromagnetic radiation developed a disproportionate number of malignant tumors. Why did the Air Force not continue its research? Is it a conflict of interests for the Air Force to continue its research and have to share its findings?

The FM frequency level in the OTH-B is the same as our bodies level and therefore capable of destroying human cells. In the EIS it states the radiofrequency radiation (RFR) energy is absorbed by the organism as widely distributed heat that increases the whole-body temperature. What about what it does to the cell structure. Research has already proven that is how we should approach the harmful effects the RFH is capable of doing.

It also goes on to say on page S-5 in the EIS that exposure to RFH at average power densities exceeding the threshold for a specific effect for durations of a few minutes to a few hours may or may not cause <u>irreversible</u> tissue alterations. How can we be guaranteed the Air Force is going to keep the RFR at average power level and not exceed the Mn. safe standard level? If the way the U.S. Air Force represented by Col. James Lee is an indication of how we can trust its word we're really in trouble. Saying one thing and doing another is not going to fool the general public for long. What guarantees will we have the Air Force won't think it is necessary to raise the level of RFH spraying on us from this OTH-B in the name of national defense.

It has already been proven that at certain levels of radiofrequency radiation it attacks the immune system and the central nervous system. In the environmental impact statement it addresses the effects on page 4-84 and 4-85. It states, studies to date indicate that radiofrequency radiation has quite definite effects on the immune system of mammals. It then goes on to say there is no evidence that the RFH effects on the immune system of animals reported would occur in humans. Well we need proof before we are willing to be the first of the human population to be exposed to this RFH at a constant level. I'm positive that anyone who has worked on any of this research would never let their family live a half mile of this OTH-B and yet that's what your expecting my family to do.

As I stated the EIS also addresses the question of any harmful effects to the central nervous system. The beginning sentence on this topic covered on page 4-79 states, several types of studies have been conducted of effects of RFR on the central nervous system of animals. These studies are considered particularly important in the USSR, where RFR is believed to stimulate the nervous system directly and thereby cause a variety of physiological effects. Yet scientists in the U.S. tend to doubt that RFR interacts directly with the nervous system except under special circumstances. Isn't ironic the USSR seems to show more concern for its citizens and their exposure to RFR than our own government does. At the conclusion of many of the topics discussed on effects to the human body in the EIS a typical sentence states, not likely to be hazardous. Does that sound convincing to you to let entire communities live with this before they can be positive of its effects.

The EIS also states the level of allowable exposure of humans to RFR are lower in Eastern Europe. Indeed, even in the USSR the level of safe exposure is 1000 times less than our countries' level. That is a wide gap and tells me there needs to be much more research before we start to expose the environment to such a potenially dangerous situation.

In the summary's conclusion it states. Significant long-term biophysical impacts from the central radar system construction and operation are possible, but their occurrence depends on the sites selected. Now what does that tell me? Is the site I'm suppose to live next to likely to turn out to have the greatest biophysical impact of the OTH-B system. Also on page 2-6 it states, because only the transmit arrays would radiate electromagnetic energy, there is particular interest in the transmit site and the nature and magnitude of the resulting radiofrequency radiation. Much of our farming operation is involved in the SW transmit study for Traverse County, Mn. Our farmstead is ½ mile from the line of the study site. With all this in mind would you be willing to subject your family to the very possible health hazards involved. We are not opposed to this OTH-B for selfish reasons. It is our genuine concerns for all of Traverse County and beyond and what the possible effects you address in the EIS will result in for our future generations.

Our government is built on a check and balance system. We demand the Air Force check out all possible health effects and the usefulness of this already outdated system before you impose it on the general public. For humanitarian reasons this should not be allowed anywhere in the midwest unless in a very remote area. After all that was the advice the Air Force suggested in the placement of this project on the east and west coast. Why has that suddenly been overlooked? The way the Air Force has tried to push this over on us has left us without respect for those who have proposed it and is in very serious question as to what the real intent is here.

I strongly believe national defense is not the first motive here. If it were why has it taken this long to be proposed. This was developed in the 70's with a probable life span of 20 years and we have been told it would not be put into full operation until 1994. Common sense tells you our money and energy could be spent much wiser in a much more long term up to date program.

I have not even begun to mention what serious consequences this will have on family farms that have been passed down from generation to generation. What the land means to us as stewards of the soil. It is our God given right our constitutional right to have the pursuit of happiness. Stop this now before you destroy much more than you will ever gain. Patriotism is a strong element in the success of a nation. By destroying it what will you gain.

So once again we want to go on record as opposed to the proposed Over the Horizon Backscatter Radar System for all of Traverse County, Mn.

Sincerely

Joann Conroy

Joann Conroy

G2, G3, G4, G6, G8, G9

OCT 0 6 1988

In Opposition to the OTH-B Radar Site

I oppose this Radar site because it is taking a lot of peoples livelihood away from them that will make these people either move to Town or re-locate, in which they will not be justly Compensated. What Jobs would they Qualify for? Especially when the unemployment lines are already long in our towns.

It will also interrupt our broadcast radio's that will also be a negative factor in our Case. We rely on the weather forecast which are necessary Element in making timely decisions on the farm. There is also the entertainment part that will be missed, for instance, who would want to listen to "Static" all day.

T.V. will also be obsolete equipment in a Six Mile Radius of this site. This is also another negative factor for people in the area because the Weather Forecast gives a long range affect on many Factors and peoples lives.

Another point I don't like about this site is the fact that they are going to acquire good farmable land. Who would want to sell their whole farm and all for what it is to be given away for peanuts. Also the people around "The Great Wooden Tower", what will their property be worth? Probably the same as the inside for the simple fact, who would want to live anywhere near it. The Radiation affect on people is not sure. Known for sure and this not on a tele vision as a guinea Pig. They also have the power of eminent domain and if you don't Cooperate or are unwilling to sell then for Condemning you can't do anything about it. Money, which Probably is not much. CYA.

4-214

The environmental impact statement has more mention about wildlife than there is about Humans. That's what Concerns me. Don't we have any Say anymore as to this life "Russian" Affair, we must not mean much more than a statistic to them.

I also oppose the Radar Site because of the fact that this site is already obsolete because the Government has bigger plans than this, are currently testing that are proven to be undetectable to this site or the rest of them.

In Closing, I would like to say that there are different areas that are more suited for this site than this part of the Country. The words "Victims of Circumstance" comes to mind. I don't want to be one of the many.

Thank You.
Randy Tutt
Traverse County, S.D. Site

RECEIVED
OCT 6 6 1988

G4, G6

No OTH-B Radar!!!!

I am a sophomore in high school and have been involved in the farming operations of my parents farm since I was old enough to walk. I am puzzled by many things that may or may not happen in the community. In history class I have been told that this is the land of the free, and that all men are created equal. Why then, are farmers forced to sell their farms, homes, etc. against their will so a radar can be built?

Also puzzling is why national defense should be accomplished at the expense of a handful of farmers in West Central Minnesota while benefitting the rest of the nation without expense or hardship to them. In fact, I as read in the Environmental Impact Statement that our local town will benefit financially what about the farmers??

I now have four years of experience as a combine operator and one year of experience as a four wheel drive tractor operator. With our farm in jeopardy, I may be needing a different employer. Any farmer who is lucky enough to escape this holocaust, please consider me as a future employer.

In hearing talk of boycotts and angry farmers, I am worried that there will be a long term negative social impact to the area. There is probably a better site for the radar than in the middle of many farms where hard working families live. If the government needs a defense system, why don't they make it a safe one or use some of their own land?

(2)

Hearing can be lost in one ear and
easily give and [illegible], I do not
think that an eight [illegible] is as
beautiful as the land that God
put on this earth. What is going
to happen to our [illegible]
Sincerely,
[illegible]

Traverse Co. S.E. Site

4-216

1/2

September 25, 1996
Ortonville, Minnesota 56278

RECEIVED
OCT 0 6 [illegible]

G2, G4, G6, G8

To: Lt. V. G. Brown
Reference: For submission to final E. I. S.
From: Duane Porter a resident Traverse North

I am a resident of the traverse county north radar site and I am opposed to the O+H-B radar system because after listening to your people at our meetings in the audiator, Minn. I do not believe we need the radar system to protect our country. I understand without this central system we have blank spots in front of our east and west sites and that this system would eliminate these blank areas. I also understand that this type radar is already in place and if not it could be placed there and cover these small areas of concern. I also believe we have systems in practice that already make the O+H-B radar system obsolete. I would like the following questions answered in the final environmental Statement.

1 What will be the effects of people being subjected to this much radiofrequency radiation?

2. what will be done with the land once the Air Force is done fooling around with it?

3. what do you propose to do with the stray electricity that will be in the ground?

4. when will materials be purchased for the project?

5. How many people will be employed from this area?

6. If Air Force people are brought in where will they stay and for what periods?

7. what will be the level of radiofrequency radiation a person might be exposed on boreline?

8. How does the level compare to our government standards?

9 How does this compare to the standards of other countries and Russia?

A concerned citizen and taxpayer
Duane Porter

Please send me a copy of the Final Impact Statement.

4-217

OCT 00 1988

SEPT 20 1988

LT. U.S. BROWN G2, G5, G6, G7, G8, G9

BEING A TAXPAYER WITH SOME RESPONSIBILITY I AM VERY MUCH OPPOSED TO THE OTH B RADAR SYSTEM. HOW MUCH DO WE REALLY KNOW ABOUT RADIO FREQUENCY RADIATION, AND HOW WILL IT AFFECT PEOPLE LIVING NEARBY? BEING A TAXPAYER IT LOOKS LIKE A VERY EXPENSIVE SYSTEM FOR THE SMALL AMOUNT OF COVERAGE IT HAS. AND WHAT ABOUT STEALTH BOMBERS WHO CAN EVADE RADAR ALREADY? UNDOUBTEDLY THIS SYSTEM WILL BE OUTDATED BY THE TIME OF ITS COMPLETION. WHAT WILL THE LAND BE USED FOR AFTER THE RADAR SYSTEM IS OBSOLETE? I'M VERY CONCERNED ABOUT THE AFFECT ON THE COMMUNITY, THE SCHOOL DISTRICT, THE FARMERS WHO MUST LEAVE THEIR LAND AND HOMES, THE RE ROUTING OF ROADS & PITCHES POSSIBLE RIVERS IF IN THE WAY. BEING A FARMER & LAND OWNER, I KNOW THE POTENTIAL ENVIRONMENTAL PROBLEMS. WHAT ABOUT THE AFFECT ON WILDLIFE? WHAT ABOUT THE EFFECT ON OUR LOCAL ELECTRONIC DEVICES. THE WAY RADIO, TELEVISION [redacted] THAT BETTER SYSTEM WE HAVE FOR THE FIRE DEPT. USED IN EMERGENCY SITUATIONS? TOO MANY UNANSWERED QUESTIONS! PLEASE SEND ME A COPY OF THE FINAL IMPACT STATEMENT!

OUR FUTURE

THANK YOU!

SINCERELY
DUANE A. PORTER

DUANE A. PORTER
RT 1 BOX 51
TINTON, SD 57053

I am opposed to the O.T. H-B Radar system

RECEIVED OCT 0 6 1986

TO LT. V.G. Brown For Submission to final EIS.

Dear, Sir I am just going to ask a few questions about the Radar System. I Live in North Traverse County. and I am opposed to the Radar System. will my family have to move. Where will we move. Will my dad not have a job. what will happen to us. I am In the fourth grade and I am ten years old. my name Is. Wendy Keller. and I don't want to move. like It were I live. so please. for all of us people that are against It so please don't put In I will Lose all my friends. and I will have to go to a new school so please don't put It In.

Wendy Keller

RT. 1 Box 4

Tintah MN. 56583

P.S. Please send me a copy of the final Impact Statement. Thank you



RECEIVED OCT 0 6 1986

September 30, 1986

To. Lt. V. G. Brown G2, G6, G8, G9

RE: OTH-B Radar System - North Wheaton Site

Dear Lt. Brown:

As a resident of Tintah, MN in Traverse County, I am very much opposed to the OTH-B Radar System. Before any kind of decision is made, I feel there should be much more information available to us. Here are a few of the important matters I feel should be checked into first.

1. Radiation - As the mother of three small children, I want to know the EXACT effects it will have on my family. Also, how it will affect the soil, air + water around the site.

2. Homes + Jobs - Will you be finding new homes + jobs for the families you will be moving? For most of the families, farming is their life! The farm hands will also be losing their jobs. Just how many people are going to be unemployed + homeless?

3. Necessity - From what we've been told, the East + West Coast scanners meet. Why is this one needed? Considering the cost to the families directly related, the surrounding communities, and each and every taxpayer, whose taxes will be paying for this, is it really necessary to build this scanner here now?

4. Interference with TV and Radio -
Exactly how far will the interference reach?
What are the remaining families to do
with no TV and no Radio?

This will be affecting a lot of people
directly + surrounding communities
indirectly and I sincerely believe that this
matter should be given much more
consideration.

Please send me a copy of the final
Impact Statement.

Sincerely,
Mrs Henry Determann

4-219

OCT 06 1986

555 E. Lionshead Cir.
Vail, CO 81657
October 1, 1986

HQ Electronic Systems Division
OTH-B Systems Program Officer
Hanscom AFB, MA 01731
Attn: Lt. V.G. Brown

G3, G8

Dear Lt. Brown:

I am writing in opposition to the OTH-B Radar System being installed in Traverse County.

Though I am not currently living in Traverse County, I still consider it home and have been involved in the opposition of the radar system through letter writing and staying updated as to what is happening, because what you decide will directly affect me, my parents, my brothers who farm and their families, and numerous other relatives and neighbors.

I thank God I don't understand your logic in selecting Traverse County as a possible site, because that would bring me down to your level. To take away prime farm land and destroy the livelihood of so many families is beyond my comprehension. Oh, yes, you can say the farmer's would be paid for their land, but at what price. And I personally know the farmers in Traverse County do not want to give up their land for any price. Then after you take their land what are they supposed to do? The farmers who have lived on the land for years and years can't suddenly find a new career at 65 or 70 years old. And the young farmers who just started farming they can't afford to buy land elsewhere and start all over. Besides, most young farmers are taking over for their parents on land the family has farmed for generations. That is a heritage you can destroy and it scares me very much.

Then there are the health hazards. At the September 10, 1986, meeting in Wheaton, MN, Mr. Dahlberg was outlining the hazards. Why was he not allowed to present all of his findings? I think the answer is very obvious; the Air Force didn't want those facts to be known.

In conclusion, I think it would be a grave injustice to install the OTH-B System in Traverse County. The installation, over such overwhelming opposition, would be contrary to everything I've been taught to believe in. We should not have to worry that the Air Force can come in and take our land. Colonel Lee, who has held a couple meetings in Wheaton, MN, has been quoted saying that the radar system would not be located in Traverse County if there was any opposition. He has seen and heard, as no doubt you will also hear, of the great amount of opposition.

Sincerely,

Donna Conroy

G3, G5, G6, G7, G8 9-29-86

Col. James Lee: OCT 0 6 1986

We feel the Radar Base should not be in Traverse Co. Because:

1. It's a health hazard to humans and livestock.
2. It takes up some of the most Productive farm land in the County.
3. It breaks up farms so people have to travel many miles around to get to their other lands.
4. It puts more tax load on the rest of the County.
5. Children will have to ride the school bus more miles.
6. It will take roads that have just been tared.
7. It will take R.E.A. electric lines just replaced this summer.





8. It will ruin new homes just built.
9. It will take business away from small towns.
10. It will take away trees and farm yards that help Prevent soil and wind erosion.
11. It will affect our water system.
12. It will affect the drainage of our other land.

these are just a few reasons why we feel it could be Put elsewhere in Minnesota without hurting People, livestock, birds and land.

Please look for a different site.

Vernon Behrens

RECEIVED
OCT 0 6 1988

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Beverly J. Hamre | Beverly J. Hamre | Route 1, Box 161 Thief River Falls, Mn. 56701 |
| Raymond Aandal | Raymond Aandal | Goodridge, Minnesota |
| LaVerne Hamre | LaVerne M. Hamre | Route 1, Box 161 Thief River Falls, Mn. |
| Frances Aandal | Frances Aandal | Goodridge, Minnesota |
| Kirby Hamre | Kirby Hamre | Route 1, Box 161 Thief River Falls, Mn. |
| Tawnya Morkrid | Tawnya Morkrid | Route 1, Box Thief River Falls, Mn. |
| | | 6th Ward Thief River Falls |
| | | Viking Mn 5 |
| | | Viking Mn |
| | | Route Thief River Falls Mn |
| | | Route Thief River Falls Mn |
| | | Route Thief River Falls Mn |
| | | Route Thief River Falls |
| | | Route Thief River Falls |
| | | 605 Red Lake Blvd Thief River Falls |

4-221

G5

OCT 0 6 1988

### Opposition to the OTH-B Radar Site

One of the many major concerns of our farm is the loss of our field shelterbelt trees especially a full row of SIBERIAN LARCH which we are in danger of losing to the proposed southeast radar site. Since this is the only Siberian larch single-row shelterbelt that we know of in the state of Minnesota, I feel it is a great loss. Single row shelterbelts are the newest concept in field windbreaks. We started experimenting with them several years ago. The experiment was started with technical assistance coming from a horticulturist from the University of Minnesota, Morris, the State Extension Forester and our local S.C.S. office.

A Siberian larch is a conifer that sheds its needles in the fall. It's a hardy species which can be grown in alkaline soils, and almost any soil. Alkaline soil makes it virtually impossible to grow other conifers. The Siberian larch are very resistant to chemicals used in crop spraying as opposed to deciduous trees which are currently being used for this reason. In single-row shelter belts, crops are grown very close to both sides of the trees. By selecting and spacing the right species, we hope to develop a row of trees to protect the crop from the wind in the summer. In the winter, they deposit the snow evenly over a long distance on the leeward side of the shelterbelt for snow cover to prevent wind erosion and at the same time provide additional moisture when the snow melts. It also prevents the topsoil from being airborne causing loss of valuable topsoil and nutrients. Growth characteristics of the Siberian larch look like it has great potential for field windbreaks.

The seed stock of the Siberian larch we used came from near the Arctic Circle, which we felt was a plus to make it winter hardy. The trees themselves were grown from the seed source I just mentioned in a North Dakota forest nursery in Northern North Dakota which was the only place we could get the trees.

This experiment is unique as it is "one of a kind" as it uses a tree never used for this purpose. The data obtained will be of great value to the conservation efforts needed in this area. This region should have shelterbelts that can adapt to intensive cultivation practices, numerous farm chemicals and survive the severe cold winters we have in the area.

With the construction of the OTH-B Radar Site, there will be LOSS of experimental data for our farm and the State of Minnesota; LOSS of scenic beauty to an ugly wooden fence; I believe conservation efforts will be set back many years because of the proposed Radar Site. The Siberian larch also provide natural beauty as well as wildlife habitat.

Now, If we could develop a strain of Siberian larch specie that could stop the AIR FORCE BOMBARDERS, WE WOULD BE HAPPY - ~~Wrong~~!!!!!

Todd Thiele

SOUTHEAST TWELVE COUNTY SITE

144

Minneapolis Star and Tribune

Friday, August 22, 1986

OCT 0 6 1986

# 'Stealth' fighters reported in training

By George C. Wilson
Washington Post

Washington, D.C.
The United States has about 50 radar-eluding "Stealth" jet fighters fully operational under a top secret multibillion-dollar program, informed sources said Thursday.

Several squadrons of Stealth fighters are hidden in hangars in the Nevada desert near Tonopah, southeast of Reno to avoid detection. The planes fly at night there under the control of the Air Force's Tactical Air Command, sources said. The mystery plane that crashed near Bakersfield, Calif., on the night of July 11 was a Stealth fighter on a training mission, sources said.

There has been speculation that a Stealth fighter has been under development by the Lockheed Corp.'s aircraft development plant known as the "Skunk Works" in Burbank, Calif., as a kind of counterpart to the Stealth bomber under development by the Northrop Corp. But it has not been disclosed previously that dozens of the planes have been organized into combat-ready squadrons.

The Stealth fighter has one basic purpose, sources said, to sneak up on a target at relatively slow speed, launch a missile or "smart" bomb, and run home before the enemy realizes what his aim. The Stealth fighter is not as fast or agile as the supersonic F15 fighter, sources said, and might not be a match in a close-range dogfight with the most sophisticated Soviet fighters.

At night or in cloudy weather, the Stealth fighter has proved to be virtually invisible, and is considered the most effective penetrator in the world for special missions, either with conventional or nuclear weapons, sources said. Successors to this first generation Stealth fighter will have much better performance in terms of speed, range, altitude and

Planes continued on page 14A

## Planes Continued from page 1A

maneuverability while retaining invisibility, the sources added.

Modern plastics and new composites made of materials that absorb rather than reflect radar beams have enabled Stealth aircraft designers to bend the airplane into shapes radically different from those achieved with aluminum and titanium. Rounding surfaces to avoid reflecting radar beams back to an enemy's air defense complex is another part of stealthiness, as are controlling engine exhaust and heat to foil infrared detection systems.

The Air Force, which originally planned to buy 100 Stealth fighters, now is expected to settle for about half that number because of high costs and other budget demands, according to one source.

The cost of the Stealth fighter program is in dispute. One Defense Department source estimated that it will total $7 billion, and that the cost per plane already exceeds $100 million including development costs. But other Defense Department officials countered that such an estimate is too high. The most sophisticated fighter now in public view, the F15, costs about $40 million each.

Pentagon spokesman Fred Hoffman said yesterday the Defense Department would have no comment on this report. An Air Force spokesman said, "We're wrapped in iron as far as commenting on low observables."

Although the Stealth fighter has been nicknamed The F19, that is not its official designation in the Air Force. Instead, the fighter bears a secret, two-word code name that replaced "Have Blue," which was an umbrella term for early Stealth prototypes.

The Air Force still refuses to acknowledge the existence of the Stealth fighter, much less its cost, which is hidden in the growing "black," or classified, portion of President Reagan's defense budget. That part of the budget also includes such programs under development as the Air Force's Stealth bomber, Stealth cruise missiles and a new Stealth missile designed to hatch out radar.

The Stealth fighter is a derivative of the SR71 Blackbird, also developed in Lockheed's "Skunk Works" under famed aircraft designer Clarence L. (Kelly) Johnson, sources said. But compared to the sleek Blackbird the Stealth fighter looks "ugly" because of its bulging, nontraditional shape, according to several sources who have seen it.

Nevertheless, Air Force officers are excited about the Stealth fighter's demonstrated ability to elude detection by radar and infrared systems, according to informed sources. Many of the breakthroughs are being built into the B1B bomber, and almost all of them will be included in the Air Force's Advanced Technology Fighter (ATF) now being developed for the next century, officials said.

Each ATF is supposed to cost no more than $36 million, a figure that some Air Force officials doubt can be achieved given the experience with the cost of Stealth technology on the Lockheed fighter and Northrop bomber.

4-222

OCT 0 6 1986



# Pentagon to probe reports of papers lost at Lockheed

Los Angeles Times

Washington, D.C.
Defense Secretary Caspar Weinberger ordered a top-level Pentagon investigation Wednesday into allegations that hundreds of secret and top-secret documents are missing from a Lockheed plant in California and that audits have been falsified to conceal the loss.

The allegations were mentioned in letters sent to Weinberger and Lockheed Corp. Chairman Lawrence Kitchen. The letters were sent by Rep. John Dingell, D-Mich., chairman of the House Energy and Commerce Committee and of its subcommittee on oversight and investigations.

Dingell, writing to Kitchen, said a Pentagon audit "found hundreds of secret and top-secret documents, tapes, films, photographs and other materials that were missing or unaccounted for" in a major classified program at the California division of Lockheed Aircraft. That division, known as Lockheed-California, is headquartered in the Los Angeles suburb of Burbank.

The documents reportedly are tied to Lockheed's highly secret F19 fighter program. "Lockheed has clearly lost control of their secret and top-secret information on this sensitive program and possibly others," Dingell wrote.

Pentagon spokesman Robert B. Sims said Weinberger had received the congressman's letter and had asked the Pentagon inspector general's office to conduct a prompt investigation. "We take the allegations quite seriously," Sims said.

Bob Skyman, corporate director of public information for Lockheed Corp., said the company had no comment.

The report on Lockheed comes after the discovery last year that classified documents were missing from General Dynamics' Convair Division in San Diego. That unit's Pentagon clearance was temporarily suspended while upgraded security procedures were put into effect.

OCT 06 1986

As concened citizens, we strongly oppose the location of the OTH-B (over the Horizon-look scatter) radar project in the Red River Valley area

| NAME | Address | PHONE |
|---|---|---|
| [illegible] | P.O. 259 Chicago City, | 257-3714 |
| Frank Lunska | 28935 Old Town Rd Chisago City | 257-1828 |
| Chris Farnham | 12120 256th St Chisago City | 257-5782 |
| Mary Russell | Chisago City, MN. | 257-6854 |
| [illegible] | Forest Lake Mn | 257-4835 |
| Jack Thiele | | 464-5377 |
| BRUCE WENNBERG | CHISAGO LITY, MN 55013 | N/A |
| [illegible] | | |
| L.B. Nelson | 114 Lakeshore Terrace, Lindstrom Minn | |
| J. L. Nelson | 114 " " " | |
| Don Zeanbre | Chisago City Minn. 55013 | 257-4546 |
| Jim Olson | Forest Lake Minn. | 464-6024 |
| David J. McCall | Chisago City Minn 55013 | 257-2514 |
| Joseph A. Meuting | Pine City Minn | |
| Craig Skalicky | Pine City Minn | |

4-223

Sept 28 - 1986

G3

OCT 06 1986

attn Lt. U.B. Brown

We are Traverse county farmers who strongly oppose the radar site. Why would we, or may I say our homes and livelihood - some of which has been in our family for over 100 years. Some people in Wheaton have been called unpatriotic and unpatriotic. It is really greedy to want to keep our homes and farmland. We have some who want to farm - from 22 years old to thirty. We have almost enough land for them all to farm. But not at today's prices. So two of them are doing something else for the time being. But our dream is to have them all farm. Now the radar base is threatening us. How all our work been in vain? If something was threatening the town of Wheaton - taking their homes and business. I wonder if they would be called greedy if they fought it, hardly!

They say we are unpatriotic. First I want to point out that their patriotism is in their back pocket. They are looking for profit for their business. That's all they want at of the radar base! But lets talk about who is patriotic. My husbands brother was a pilot in World War II. He was killed in World War II. Our neighbor who went through hell in ~~World War II~~ Viet Nam is a young farmer who stands to lose his farm land to the base. His brother-in-law was killed in Viet Nam. My husband and my three brothers were in world war II. Some of these people that are talking about patriotism stayed home and farmed during ~~that~~ war. Farm prices were very good during those times. If some of the people in Wheaton Students effort to make money on the radar base, maybe they wouldn't be talking Patriotism.

We have a very nice and healthy environment here - a wonderful place to live, with an abundance of wildlife. Why do you want to ruin it? We think we live in God's country. We would like to keep it that way. Why take prime farmland?

Mrs Bill Peyton
RT 1 Box 99
Dumont Minn
56536

RECEIVED
OCT 6 1986

9-10-86

In order to realise how really desolate the Wheaton area is, one must drive west of the metro area of Minneapolis and St. Paul through Central Minnesota until he reaches the town of Herman. Then continue west on Highway 27 towards Wheaton. While driving along this route, it is not hard to see why the Wheaton area is an ideal site for the OTH_B. There are very few farms being lived on, there are very few trees, and the land is flat enough to be able to see miles and miles beyond one's location. There are no major river systems for providing water in case a factory ever came here. (The Community Development Committee has given this reason for the absence of any type of manufacturing plant- big or small.)

It is reasonable to assume that most of the people living in the town of Wheaton are ready to welcome the OTH-B but are reluctant to speak out because of boycott threats from the farmers. This, when in reality the farmers shop elsewhere in larger towns, anyway. It seems greedy on their part to attempt to prevent the installation of this much needed radar system. The town people feel that they could prosper from it and even see some type of progress in poor old,tired,dead Wheaton.

It would be a shame if the Air Force had to find a different site which could be less efficient for the installation of this base. It would also be unfair to the town of Wheaton to lose this opportunity because of a few disgruntled farmers who go south for the winter, anyway. On behalf of many others holding my philosophy, this writer casts a vote FOR the OTH-B INSTALLATION IN THE WHEATON AREA. Thank you.

(Dolores Petterson)

4-224

RECEIVED
OCT 6 1986

HQ Electronic Systems Division
OTH-B System Program Office
Attn.: Lt. W. L. Brown
Hanscom AFB, Mass 01731

G2, G3

Dear Sir:

My name is [illegible] and I'm in the sixth grade. I live in [illegible] county, that's about three miles east from where you'd like to put the OTH-B Radar System. First of all I am opposed to the Radar System. We do not need this Radar System. I'm next to an expert on Military planes. I've read many books about them and have many models of them. For instance the stealth fighters and bombers are invisible to radar. Sooner or later the Soviets will find out about the stealth just like the F-15, so they'll have it too. Then we'll have wasted [illegible]

Oct 1, 1986

Dear M. Brown,

This letter is in strong protest against the AFB desire to put up radar detectors on our farm land. Please dont allow such a thing to happen. There are many things in jeopardy. There is no way that you can expect people to give up their homes + farm land that in some cases have been in the family for generations. You people can't be allowed to do this to people that have dedicated their lives to putting food on your tables. I hope you have given it great thought as to what something like this will do to all of our futures.

Sincerely yours,
Mrs. Stanley Zyger

put it some place else? This is the worlds richest land, why put it here? This Radar System is going to destroy the richest land in the world. It will pollute the rivers that flow into Canada. You don't want Canada to become our enemy do you? This thing will kill some of us. My father has to depend on the farmers to put bread on the table. If we ever have to use this there will be a war anyway. If your really Representatives then you will listen to all these letters.

Sincerely,
Dale Keller

P.S. Please send me a copy of the Final Impact Statement.
Thank-you

4-225

Oct. 1, 1986

Dear Jt. Brown, RECEIVED OCT 6 6 1986 G4, G6, G8

This letter is in protest to the AFB desire to place radar detectors on Minnesota farm land. I can't believe what you expect farmers to put up with. How would you like to have someone come + tell you that you are going to have some detector put in your back yard + you have no say about it.

What will it do to their land value? What about long term effects on our health, wildlife + ecology. Will this eventually become a nuclear waste dump?

I for one speak against it + hope that they will see it would be a big mistake. Please give the farmers a break + leave their land alone! We need to stand together + protect what little we have left of our precious farmland + wildlife.

Sincerely yours
Mrs Joyce Wilson

4-226

RECEIVED OCT 6 6 1986 Sept 21 1986

Dear Sir. G6, G8

I think this is awful to come and put Radar base in Traverse County. The land values will go up. Real estate will go sky high and don't say us Our Children that are farmed and near by will have to leave here. I think you are getting like in Germany where Hitler rule every thing. Also a hazard to animals also health and the good land which we all know it is the best. Also this system is going to be a waste to land and also tax dollars. These people that going to suffer is friends to me. But not to I guess I t seems you want to get readed of them all.

Yours truly
M. E M.

(Murray)



G2, G3, G8

RECEIVED
OCT 06 1986

Dear Sirs;
attn: Lt. V.G. Brown
[illegible]
to your [illegible] the Harrison Park Scattie
[illegible] region in our area [illegible]
in Traverse County [illegible] there
and raised our family there. Our
selection of this site would be a grave
mistake. (In your representations) and
they do not know the [illegible]
radiation. The selection of [illegible]
land which [illegible] not have an
adverse amount of [illegible] this country in your
mind will meet the [illegible] and [illegible]
crops. We know [illegible]
[illegible]
[illegible]



4-227

RECEIVED
OCT 06 1986

Sept 29. 1986
Tintah, Mn
56583

To: Lt. V.G. Brown G4, G8, G9
Reference: For submission to Final E.I.S
From: Valaine Hawes, a resident of
northern Traverse County

Dear Sir:

My family and I live three miles from the Traverse Tower site of the OTH B Radar System. I am opposed to the OTH B Radar System because of environmental & health concerns and because I feel that it is a waste of the taxpayer's money.

I would like the following questions answered in the Final E.I.S

1- Would local residents or the State of Mn. have any say in what the site will be used for once it was decommissioned?

2- How and when was the environmental impact study done? Why didn't the Air Force know Traverse Hovde had a large power line running through it's southern end?

3- Where will the Air Force personnel who staff the site live?

4- If this radar disturbs our CB, radio and TV signals, which are vital to our way of life, what compensations will be made?

Please send me a copy of the final Impact Statement.

Thank you!

Sincerely,
Valarie J Hawes

Rt. 1, Box 52
Tintah, Mn
56583



RECEIVED
OCT 14 1986

Dumont, Minnesota
September 29, 1986

G2, G3, G8

HQ Electronic Systems Division
OTH-B Systems Program Office
Attn: Lt VQ Brown
Hanscom AFB MA. 01731

Dear Sir:

Let the records show that I am opposed to the proposed radar site being placed anywhere in Traverse County and even more specifically in Leonardsville Township. My reasons are these:

I believe the risk of radiation to people and animals - the environments - is far greater than has been told to the public and therefore an "I don't know" answer to our concerns about this is not enough. A lot more testing and preliminary work needs to be done before setting up operations in a highly populated area such as this.

I believe this system to be obsolete before it is even started and therefore a waste of tax payers money.

It also appears this radar base being put here as it would take our home and our retirement from us. After working here for over 35 years our home should be destroyed, our farming business would be taken from us. No dairy our retirement also taken from us. We have 3 sons in the business with us and their livelihood would be taken from them, leaving them without a home or a business.

Assuming this radar system be as necessary as you say - it seems there is a lot of unpopulated and unproductive land in this country that could be better used for this radar base than the good, rich soil of Traverse County. I stand firmly opposed!

Yours truly,
Barbara Schuneborn
RR. Box 46
Dumont, Mn 56236
Sec 9 - Leonardsville Township
Traverse County Minnesota

RECEIVED
OCT 6 1986

Wheaton, Mn.
Sep. 28, 1986

HQ Electronic Systems Division
OTH-B Systems Program Officer
Hanscom AFB, MA 01731

G3, G6

Dear Lt. V. G. Brown and committe members:

This letter is in opposition to a proposed site near the Wheaton area.
Paul has been a farmer practically all of his life. My folks from both sides have deep roots in the soil. We both have been instilled with LOVE FOR THE LAND. We lived on the home place for 21 years until Paul's retirement.
We feel that farming is a most honorable profession. Food must be raised, as all people have to eat. A radar site in this area would take some very productive land out of production. The townships affected would lose their tax base.

We are fortunate in having young farmers with families In those areas where the land would be taken out of production. They are already having problems getting their crops harvested due to too much rain.
There are many other reasons why this area should remain farm land.

Very sincerely,

Myrtle M. Nelson

Paul G. Nelson

Paul G. Nelson

4-229

RECEIVED
OCT 6 1986

Hanscom AFB MA 01731
HQ Electronic Systems Division OTH-B
Systems Program office Attn: Lt. V.G Brown

To Lt. V.G. Brown Privet
For Submission to final E+S.

G3

Dear Sir.

I known that we nead the Radar System but I am appose to the OTH-B Radar System. I known that it is a big deal to you. I may have to move because my dad could lose his job. Campbell is a nise town and I have a cat. My sister has a raddit and I like to play with it out side. My name is Perry Brown. I am ten years old I'm in 4th grade. I like to play sopps [illegible] the birds and YOU Mite Kille the birds!!! and I Hate That I dea. Ar Land is the richest soil. YOU are takin the richest soil from us.

Perry Brown
Campbell Minisota

G1, G3, G8, G9

My name is Kevin Lichtsinn from Dollymount Township.

My wife and I are opposed to the Radar Site here in Dolly mont township and in Traverse county.

We are concerned about what the effect of radiation will haveon our children, now and in the future.

we are also concerned about how radiation would affect the performance of our livestock on our farm, which would directly affect ourincome. This is a real concern because on page 4-88 of the impact statement it says and I quote, "certain gaps remain in our knowledge of the biological effects of Radio Frequency Radiation." In other words the Air Force is not sure of the syatems saftey or impact on the environment.

We are concerned about interference with our business band radio wystem (U.H.F.) as well as T.V. and public radio reception.

We do not believe the Air Force will shut down the system temporarily, as Col. Lee once stated, to allow spray pilots to carry on their operations. The importance of the spray pilots is fully realized when your ground sprayer is belly deep in mud. Beingable to spray crops on time is important.

We believe a strong defense system is needed to provide national security. It's vital. Now is this Radar System is needed for our national security, how can the Air Force shut down radar operations for weeks or months so airial pilots can do their job? Somethin does not make sense.

We are opposed to the Radar Sire here because prime farm land would be taken out of production forever. The land can't and would'nt be changed back the way it used to be. It doesn't make sense to take good farm land that produces food for the world as well as Wheaton and ruin it forever.

This land procuces an renewable recource - food. The Radar Site can not. The Radar Site should be on wasteland.

If by chance the Radar Site does provide a quick buck for a few, what will we do for income 20 years from now when the site is obselete?

4-230

I have enclosed my comments that I had written up to read at the public hearing last Sept. 10. I was not given a chance to be heard, as well as many other friends and neighbors.

At a meeting in Wheaton before the Sept. 10 public hearing, Col. Lee said he would stay (at the Sept. 10 hearing) all night if that's what it took so that everyone could be heard. Either Col. Lee did not mean what he said, or his words do not carry any weight.

I wonde if the way the Air Force handled the Sept. 10 hearing is an example of how we will be dealt with in the future? Do we have no right to speak?

I thought the U.S. Constitutuion guarenteed the right to freedom of speech. I know you told us to send our written comments to you but writion to you will not habe the same impact that being able to speak at the hearing would have had. Evidentally you, (the Air Force), knew that so there was a time limit set to the hearing, so few could speak.

The Air Force does not have the right to step all over civillian citizens. We are people and have rights. We are the people who produce food for you and provide the funds for your incomes. You serve us, we do not serve you. We have not been treated fairly.

For this reason I will write the Governor of MInnesota to get control of the matter. I'm sure he will help.

sincerely,

Kevin Lichtsinn

Kevin Lichtsinn
Box 69, rt. 1
dumont, MN 56236

RECEIVED
OCT 6 1986

Sept 28 1986
mr&mrs william Hoffman
Campbell MN 56522

G2, G6, G8, G9

Dear Lt. V G. Brown,
As a Traverse North Site Concerned Citizens. We are opposed to the OTH-B Radar System because we are not sure what kind of an effect this will have on our health or our environment. Will the radiation cause nervous & immune system disorders?, How many families will have to leave their homes, How will that effect our School enrollment? What happens to the Wildlife in the Area? What kind of an effect will it have on electronic apparatus such as TV's, and two way radio transmissions? once obsolete will it be a Nuclear Waste Site?

Sincerely,
mr&mrs William Hoffman

4-231

G2, G3, G5, G6, G8, G9

OCT 0 6 1986

September 30, 1986

CERTIFIED MAIL-
RETURN RECEIPT REQUESTED

Lt. V. G. Brown
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, MA 01731

Re: OTH-B Radar System
FINAL EIS

Dear Lt. Brown:

Enclosed please find the following which should be made part of the Final Environmental Impact Statement:

1. Sign-up sheet for opponents to OTH-B Radar.
2. Petition from Tintah Township, Traverse Co., Minnesota.
3. Petition from Lake Valley, Traverse Co., Minnesota (2 of 2)
4. Lake Valley township RESOLUTION published Wheaton Gazette 9/25.
5. Petition, City of Wheaton, Traverse County, Minnesota.

If you have any questions please feel free to contact me. My phone number is 612-[illegible]-8488.

Sincerely,

Marcie Conroy

encl's

P.S. Also, because of the time constraints which developed after the hearing, I am also enclosing the statement of Ethical Elections, which he turned in at the hearing, but which he may have inadvertantly failed to sign. Please [illegible] Final EIS [illegible].

Sign-up sheet for opponents to the OTH-B Radar of Wheaton N OR TRAVERSE COUNTY, MINNESOTA

| NAME | Address. |
|---|---|
| Bud Kolles | Campbell, MN |
| Laverne Schuster | Tintah |
| Jerry Berger | Norcross |
| Lloyd Dodson | Tintah |
| Scott Berg | Elbow Lake |
| Don Berge | Kennedy Minn. |
| Raul Berger | Norcross |
| Steven Keller | Tintah MN. |
| Delmer Voss | Tintah, MN |
| Edwin Hagness | Wheaton Mn. |
| Lloyd Keller | Tenney, Mn |
| Marvin Keller | Tintah Mn |
| John Daniels | Tintah Mn |
| Ernest Hasbargen | Wheaton Mn. |
| Chester Hasbargen | " " |
| Louis Olson | Wendell Minn |
| Wanda Nusche | Tintah MN |
| Ed Stuckey | Hankinson, N.D. |
| James W. Peter | Tintah, MN. |
| [illegible] Doyle | Campbell, Mn |
| Richard Hanson | Hankinson, |
| Richard Keller | Tenney, Mn |
| Kenneth Hanson | Tintah Mn |
| [illegible] | [illegible] |
| [illegible] | Campbell |
| Ed Keller | Tintah MN |
| Richard Lind | Campbell |
| David Hanson | Nielsville |
| [illegible] | [illegible] |

**PETITION**

We, the undersigned residents and/or landowners in City of Wheaton, Traverse County, Minnesota, strongly oppose the OTH-B (Over the Horizon-Backscatter Radar Transmitter proposed for Traverse County, Minnesota.

Dated: September 19, 1986

| NAME | ADDRESS |
|---|---|
| [illegible] | 1113 5th Ave. No. |
| Waldemar Eckblad | 106 1st Ave. Se. |
| Elvira Schmitz | 904 - 3rd Ave. North |
| Mary Jane Armbrust | 1112 5th Ave. N. |
| Charles Eckblad | Wheaton, Minn. |
| [illegible] | [illegible] |

**PETITION**

We, the undersigned residents and/or landowners in Lake Valley Township, Traverse County, Minnesota, strongly oppose the OTH-B (Over the Horizon-Backscatter Radar Transmitter proposed for Traverse County, Minnesota.

Dated: September 19, 1986

| NAME | ADDRESS |
|---|---|
| Lee Linson | Wheaton Minn 56296 |
| Robert Mathiesen | Wheaton, Minn. 56296 |
| Margaret Erickson | Wheaton, Minnesota |
| Clayton A. Johnson | Wheaton Minn |
| Carol Johnson | Wheaton, Minn |
| Sharon Johnson | Wheaton, Minn. |
| Robert E. Johnson | Wheaton, Minn |
| Marilyn L. Johnson | Wheaton, Minn |
| Vernon Murray | Wheaton, Min |
| William Koch | Wheaton Minn. |
| Elaine Koch | Wheaton, Minn. |
| Gerald Buhmiller | Wheaton Minn |
| Evelyn Bachmeier | Wheaton, Minn. |
| Shawn Miller | Wheaton, Minn |
| Debra Zimmer | Wheaton, Minnesota |
| Don Aren | Wheaton MN |
| Lyle Peterson | Wheaton Minn |
| Delmer Johnson | Wheaton, Minn. |
| Paul Koch | Wheaton, Minn |
| Janet M Koch | Wheaton MN |
| Mary Jane Arensmeier | Wheaton, Minn |
| Frances Deal | Wheaton Minn. |
| Dewey Simson | Wheaton, Minn |
| Jerry Simson | Wheaton, Minn |

1 of 2 Pages.



**PETITION**

We, the undersigned residents and/or landowners in Lake Valley Township, Traverse County, Minnesota, strongly oppose the OTH-B (Over the Horizon-Backscatter Radar Transmitter proposed for Traverse County, Minnesota.

Dated: September 19, 1986

| NAME | ADDRESS |
|---|---|
| Jean A. Bartzen | Wheaton Minn |
| Walter Schmidtke | " " |
| Ella Schmidtke | " " |
| Curtis Brown | Wheaton, Minn. |
| Linda Brown | Wheaton Minn. |
| Herbert E. Schmidtke | Wheaton Minn |
| Alfred Lappen | Wheaton Minn |
| Ed W. Sattoran | Wheaton Minn |
| Marvin Haggardt | Wheaton Minn |

**LAKE VALLEY TOWNSHIP**

**RESOLUTION**

At a special meeting of the Lake Valley Township Board held on September 19, 1986, the following resolution was adopted: Be It Resolved, that we strongly oppose an Air Force Radar Transmitter Station within Traverse County, and we prohibit the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development within Lake Valley Township.

LAKE VALLEY TOWNSHIP

2 of 2 Pages.

PETITION

We, the undersigned residents and/or landowners in Lake Valley Township, Traverse County, Minnesota. strongly oppose the OTH-B (Over the Horizon-Backscatter Radar Transmitter proposed for Traverse County, Minnesota.

Dated: September 19, 1986

| NAME | ADDRESS |
|---|---|
| Lee Linson | Wheaton Minn 56296 |
| Robert Mathiesen | Wheaton Minn 56296 |
| Margaret Erickson | Wheaton Minnesota |
| Clayton A Johnson | Wheaton Minn |
| Carol Johnson | Wheaton, Minn |
| Sharon Johnson | Wheaton, Minn. |
| Robert E Johnson | Wheaton, Minn |
| Marilyn L Johnson | Wheaton Minn |
| Vernon Murray | Wheaton Minn |
| William Koch | Wheaton Minn. |
| Gladia Koch | Wheaton, Minn. |
| Gerald Bohnlehn | Wheaton Minn |
| Marilyn Bohnlehn | Wheaton Minn |
| Sharon Miller | Wheaton, Minn |
| Glenn Zimmer | Wheaton Minnesota |
| Don Aron | Wheaton MN |
| Lyle Peterson | Wheaton Minn |
| Delmer Johnson | Wheaton, Minn. |
| Paul Koch | Wheaton, Minn |
| Carol M Koch | Wheaton Minn |
| [illegible] | [illegible] |
| Wayne Neal | Wheaton Minn |
| Gwen Simson | Wheaton, Minn |
| [illegible] | [illegible] |

1 of 2 Pages.

4-234

PETITION

We, the undersigned residents and/or landowners in Lake Valley Township, Traverse County, Minnesota, strongly oppose the OTH-B (Over the Horizon-Backscatter Radar Transmitter proposed for Traverse County, Minnesota.

Dated: September 19, 1986

| NAME | ADDRESS |
|---|---|
| [illegible] | [illegible] |
| [illegible] | " " |
| [illegible] | " " |
| [illegible] | [illegible] |
| [illegible] | Wheaton, Minn |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |

**LAKE VALLEY TOWNSHIP**

**RESOLUTION**

At a special meeting of the Lake Valley Township Board held on September 19, 1986, the following resolution was adopted: Be It Resolved, that we strongly oppose an Air Force Radar Transmitter Station within Traverse County, and we prohibit the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development within Lake Valley Township.

LAKE VALLEY TOWNSHIP

30c

2 of 2 Pages.

## PETITION

We, the undersigned, residents and/or landowners in Tintah Township, Traverse County, Minnesota, strongly oppose the OTH-B (Over-The-Horizon Backscatter) radar transmitter proposed for this area.

Dated: Sept. 16, 1986

| Name: | Address: |
|---|---|
| Duane Porter | Tintah Minn |
| David Peters | Tintah Minn |
| Louis Olson | Wendell Minn |
| Linda Nyseth | Tintah MN |
| Steven Keller | Tintah MN |
| [redacted] | |
| Eunice Hillard | Pastura, Minn |

4-235

I am opposed to the Air Force constructing the proposed OTH-B system in Traverse County.

There are still many unresolved issues regarding the adverse effects of radiation transmitted from a radar site in our county. The Air Force is taking precautions against possible radiation exposure to individuals within the exclusion area of the site by providing appropriate protective and control measures. If the Air Force feels there is possible radiation exposure from the proposed radar site, how can we ignore the fact that it is indeed a serious risk to human health and give approval to construction of a radar site in our county!

I am a landowner in the Wheaton SE site. We rent our farm to our son and wife and four small children. We are deeply concerned for their safety in the event that the CRS would be located in thi site or any other site in Traverse County. We are concerned for the health of all residents of Traverse County as well.

We are concerned for the Safety of the cattle and hogs we feed for market each year. The Wheaton SE site has the largest concentration of livestock raised in the county.

The land we own and operate in Dollymount township has been in our family for four generations. We feel that the fertile land at the Wheaton SE site should not be destroyed for the purpose of building a Radar Site because of its high value as farmland. As stated in the Environmental Impact Study, construction of the Central Radar System would require a large area of cleared and graded land, a minimum of 2400 acres. Landowners in proposed will be asked to sell land at fair market value, which in many cases is much lower at the present time than it was at the time of purchase. There is also the option to lease the land to the government. In the event the radar site becomes obsolete and is abandoned in a few years, the government is saying the landowner can have his land back. After all the sloping and grading and removal of fertile top soil to prepare the area for the site, the land

will no longer be suitable for agricultural purposes, resulting in an irreversible economic loss to the landowner. The soil in Traverse County is one of our best resources for the economic strength of our towns and cities. The soil on our land in Dollymount township is especially suited for corn and soybeans and our yields are above the county average. In addition to corn and soybeans, we grow wheat, oats and malting barley. In the Impact Study soils in our county are described as sandy and clayey silt with varying amounts of sand and gravel. There is no mention of the high fertilit of the soil for growing corn, soybeans, barley, oats, wheat, alfalfa and sugar beets.

I have been a resident in the Wheaton SE area for 50 years and am certainly familiar with the wild life population there. I have seen the deer population increase in the last ten years. The study of the Wheaton SE area states that the area has few trees and would not be especially attractive to mammals except racoons and muskrat No mention is made of the deer population there. According to the Minnesota DNR there is a heavy population of Canada geese in this area, also. This concentration of wildlife would loose its natural habitat if the proposed radar site were located in this area.

I feel that the proposed re-routing and restricting of water flow in the natural waterways in the Wheaton SE site would seriously increase flooding in areas beyond our own county. All this restructuring, grading and sloping would completely destroy the natural beauty of our rural area.

There seems to be a difference of opinion as to whether the OTH-Backscatter Radar would have adverse effects on television, land mobile radios, air to ground radio and VOR air navigation systems. The Impact Statement states on page 4-49 that these are the very systems that might suffer interference from the radar's harmonics. The lower level TV signals



located in the study areas (Wheaton included) would be the ones most likely to experience interference.

In many agricultural operations, including our own, the land mobile radios have become a necessary tool. Radio interference from the radar beam would make our radio systems operate ineffectively, because our radio repeater is located within the area of the Wheaton SE site that would be affected by radar interference.

Radar interfence in air to ground radio could result in serious inconveniences and possible accidents for aircraft flying through the radar beam.

I feel the jobs that the Radar Site would provide will be for the highly technically trained only and therefore people from this area would not necessarily be employed at this site. The technically trained people would spend their incomes for non farm services creating loss of business in our community. Many of our local businesses are designed for services and supplies for the farming industry, the major industry of Traverse County. We feel that land values will go down because land located near a Radar Site would be less desirable to buyers because of all the hazards involved.

The proposed CRS could very well be obsolete before it is completed in view of the fact that the U.S. already has about 50 radar eluding "Stealth" jet fighters fully operational in training in the Nevada desert. This information appeared in the Aug. 22 issue of the Mpls. Star and Tribune but the Air Force still refuses to acknowledge the existence of the "Stealth" fighter.

I feel that a CRS would be a prime target foran enemy aerial attack. We would no longer enjoy the feeling ofsafety that we have enjoyed, living in this rural area.

For all these reasons I am opposed to the construction of the CRS in Traverse County.

Eldren Lichtsinn
Box 105
Wheaton, Minn 56296

ELDREN A LICHTSINN
BOX 105
WHEATON, MN 56296

RECEIVED
OCT 7 1986

Sept. 30, 1986

Lloyd J. Keller
Rt. 1. Box 150
Tenney, Mn. 56582

G2, G5, G6, G7, G8

To: U.S. Air Force
Ref: For Submission To Final E.I.S.

As a Tennessee North Dakota concerned citizen I am opposed to the O.T.H.-B Radar System because of the loss of a way of life for many farm families in the community. The loss of tax base of the county, Township + school district also the resulting of roads + water drainage. Also because of the health hazards from radio frequency radiation which can affect a very large area in front of the antenna. Testing in the E.I.S. on radiation were based on microwave radiation + not radio frequency radiation. Does Grand Forks have a site this large built anywhere in the world + there are no long term studies on subjects available.

I also question the need for such radar when there are stealth bombers that can evade the radar.

I would like the following question answered in the final E.I.S.

If this radar site is so vital to our national defense why aren't they going to build standby power, as stated in the E.I.S. if there is a power failure or sabotage of the power lines to the radar site? Another question I would like answered in the Final E.I.S.

The Air Force stated the radar site has to be here in this area in order to cover the so called blind spots of the East + West coast radars. My question is how can an airplane get into this blind spot, being it has to travel through hundreds of miles of radar coverage to get there.?

Please send me a copy of the Final Impact Statement. Thank You.

Sincerely

Lloyd J Keller

4-237

RECEIVED
7 Oct 86

TO LT. V. G. Brown
For Submission to final ETS.

Dear Sir, I am opposed to the O.T.H-B Radar System and you will make us lose alot of freinds and then we will not get . I live near traverse county. I am 9 years old and my name is Eric James Carter. And my school is nears Traverse county too. and I hope you will put it somewhere els.

Eric Carter

4-238

RECEIVED
7 Oct 86

**STEVEN RAGUSE**
RR 2 - Box 24
WHEATON, MINNESOTA 56296

9-30-86

G3, G5, G6, G8

Lt V. G. Brown
Please Submit these Comments into the final EIS

I am writing in protest & to placing the OTH-B Radar Site in Traverse County for the reasons of

1 Health Hazards
2. poor use of good Red River Valley Farm land
3. Public tax dollers lost and burden on township and County tax base
4. Negative impact on current Agricultural drainage systems

I furthermore protest on personal level as I live, with wife and three children, close to proposed Radar site and would be forced to leave our farm which as passed through three generation of the Ragnse family. My heart, My heritage and our families stability is in this land. Please do not take this from us

Yours truly.

Steve Ragnse
Farmer - Familyman and County Commissioner 5th District, Traverse County.

PS Please send Copy of Final EIS

thank you.

RECEIVED
7 Oct 86

Sirs: 26 Sept 86

I wish to present to You my strong opposition to the OTH-B Central Radar System currently being considered for construction in western Minnesota.

Understandably the Department of Defense has the difficult task of protecting the Nation, but should this protection be provided At the expense of A human beings livelihood. I say NO!

I know, only a few insignificant, simple farmers will be affected. But what If one of those few was your son, daughter, Uncle, Grandfather or As in my case, Parents.

You see, farming Isn't A job. You don't go to work M-F. 8:30 - 5:30. It's A Way of life. A way of life For my parents, and before them, my Grandparents, And their parents before them. So you see NO jobs will be lost. only lives.

26 Sept 86

I guess what I Am trying to Impress on you Is that it isn't right for A person, Any Person, even An insignificant farmers whose way of life provides life for other people, to work All their lives for something Only to have it taken Away because of Advancing technology.

Please Think Again Is there An Alternitive to ruining A way of life? I Pray to God there is.

Sincerely,

Dale W. Keller

*Law Offices*
MARTIN, NELSON & GLASRUD
100 EAST SIXTH STREET
P.O. BOX 66
MORRIS, MINNESOTA 56267-0066
(612) 589-1944

JAMES H. MARTIN *
LOWELL H. NELSON
CHARLES C. GLASRUD

*CERTIFIED AS A SPECIALIST IN TRIAL ADVOCACY BY THE NATIONAL BOARD OF TRIAL ADVOCACY

OFFICES
MORRIS (612) 589-1944
HANCOCK 392-5278
WHEATON 563-8888

October 3, 1986

G4, G8

Vere Vollmers
Route 2, Box 21
Wheaton, MN 56296

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Gentlemen:

Enclosed is a comment of the Draft EIS regarding over the horizen backscatter radar.

Sincerely,

Theodora D. Economou

csp

Enc.

4-240

The Draft EIS is deficient in addressing the safety concerns over exposure of the general population to RFR to be emitted by the OTH-B radar system.

At page 4.55 of DEIS it is stated that "location of the exclusion fence would ensure that the highest average power density would not exceed the 1982 ANSI radar protection standard". Elsewhere in the DEIS it is stated that this standard varies for the frequencies of 5-28 MHz from 36 to 1.15 $mW/cm^2$ of power density.

These ANSI standard for power densities are at levels where significant biological effects have been documented, as noted. For example in the DEIS at Page 4.84, where it states:

> "RFR has definite effects on the immune system at 10 $mW/cm^2$ and higher; and few effects have been detected following exposure at power density levels of .5 $mW/cm^2$. ....Some studies suggest suppression of immune function, some stimulation, some both...."

The DEIS variously states that the average power density outside the exclusion fence will not exceed .02$mW/cm^2$ or .1 $W/cm^2$ average incident power density, yet does not state what the maximum amount of radiation the general public would be exposed to is, or for what period of time. Moreover, the DEIS consistently states that there is "no evidence" that the biological effects of RFR are or would be harmful to humans, and admits there are gaps in the studies of immunological and epidemiological effects of this type of radiation. Finally, of most serious concern are the conclusions in the DEIS, for example page 4.78, that "studies showing demonstrable teratogenic (i.e. birth defect) effects following exposure to RFR have involved

145

146

power density levels that are capable of producing a significant heat load in animals. Yet the issue of "what is a significant heat load" is not fully addressed, nor have the studies cited thoroughly researched this. Given the extremely sensitive nature of biological processes--especially fetal development-due to temperature changes, shouldn't the safety of this be thoroughly tested before, not after, the siting process is completed. What assurance to those living near the installation have that, if the radar installation does prove, in the future, to be harmful to humans or livestock, that they will be adequately compensated for their losses? Their is no law for RFR like the Price-Anderson Act which compensates for nuclear catastrophies. The residents would be left only with private lawsuits of the military, and given the experience of those exposed to atomic testing or agent orange such litigation would be a complex, expensive, and protracted remedy for the victims.

146

4-241

In addition, if the ANSI standards for general population exposure to RFR are subsequently reduced (and as noted in the DEIS, the ANSI standards have already been decreased since 1974), will the power output of the transmitter be reduced accordingly? Nowhere does the DEIS discuss mitigation measures to be taken if the population is in fact exposed to higher power densities than .02 $mW/cm.^2$, if for some reason the Air Force decides it needs to operate at a higher frequency and power output than normal. In fact mitigation measures are discussed in the DEIS for the protection of birds colliding with the installation, but not for



humans or livestock exposed to any unusual operations or harmful operations.

A number of citizens are concerned with the decommission section of DEIS that any purchased land would be put to federal use. This raises the possibility of use as a nuclear repository, as this all is near to certain DOE sites. Would the Air Force agree in any land acquisition or purchase, to restrictive covenants prohibiting future use of land as a nuclear waste repository or disposal site?

Finally, the section on Risk Assessment in the DEIS is based on questionable assumptions; specifically, that there is the possibility of "human adaptation" to the biological effects of this radiation, and the acceptability of the contradiction of minimum but as yet unknown biological effects--especially on the unborn.

SUBMITTED BY

Theodora D. Economou

WILLIAMS, NITZ, KREKELBERG & STRINGER
ATTORNEYS AT LAW

W EARL WILLIAMS
RICHARD F NITZ
CHARLES A KREKELBERG
THOMAS M STRINGER

213 SOUTH MILL STREET
FERGUS FALLS MINNESOTA 56537
(218) 736 4621
P O BOX 353
PELICAN RAPIDS MINNESOTA 56572
(218) 863 6651

REPLY TO
Fergus Falls
OFFICE

September 29, 1986

James A. Lee
Colonel United States Air Force
HQ Electronics Program Office
Hanscom AFB, MA 01731-5000

G5, G8

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

RE: Over-the-Horizon Backscatter
Traverse County, Minnesota

4-242

A delegation representing citizen-residents of Traverse County, Minnesota, recently consulted with me regarding the U.S. Air Force proposal to construct and operate an Over-the-Horizon Backscatter radar transmission facility in the county which they call home. They are opposed to having such a facility located in Traverse County, Minnesota. They have done many things to become better informed regarding your proposal. They are concerned. They have legitimate questions which, so far, remain unanswered.

I am informed that they, and a significant number of other citizens, along with township officers and elected county officials have notified you in writing and by testimony at a hearing held on September 10, 1986, and subsequent thereto, of the wide spread and deeply felt opposition within Traverse County, Minnesota, to the proposal.

These are people not merely "trees and acres". From your perspective, Traverse County, Minnesota, may appear to be sparsely populated. The three potential sites in Traverse County are not remote from a human population. There are nearly 5,000 people residing in the county.



147

You are undoubtedly aware that the final Environmental Impact Statements for both the Moscow, Maine and the West Coast facilities required that the site selected be "remote". That criterion alone is sufficient to remove the three potential sites in Traverse County, Minnesota from further consideration.

I am further informed that the United States Air Force has been provided testimony from qualified persons regarding the effects of radiation upon living organisms (humans as well as game and non-game wildlife) which raises very significant questions concerning health hazards. The final EIS requirement of "remoteness" tends to underscore the legitimacy of concerns over the radiation risks. Please have the appropriate persons review the testimony and other written comments regarding this area of concern.

I note that in the Draft Environmental Impact Statement at paragraph (e) of the cover sheet, last sentence and on pages S-5 and S-6, there is indication that the long term effects of chronic exposure of humans to the radiofrequency radiation levels produced at an OTH-B transmit site have not been the subject of any reliable studies. That void also underscores my clients' concerns.

My clients believe that they have participated in your selection process, have become as well informed as available information permits and have continuing significant concerns -- all of which has been effectively communicated to you. Rather than burden this letter with a summary of those concerns, I merely request that the appropriate persons review this information and their ideas, questions and suggestions.

Beyond the general legitimate concerns of these citizens, they have specific information about each of the three potential sites in Traverse County which appears from the DEIS to be either not known to the United States Air Force or not adequately considered by the United States Air Force to date:

Wheaton SW - important wetlands and wildlife area in the Central Flyway, includes floating wetlands; Farmland Protection Policy Act P.L. 97-98.

Wheaton SE - hydrological problems from the East Fork and West Fork of Twelve Mile Creek; Farmland Protection Policy Act P.L. 97-98.

Wheaton N. - a large electric transmission line runs East-West through this area; Farmland Protection Policy Act P.L. 97-98.

Based upon the relevant information and sound decision making, my clients expect that the United States Air Force will exclude from further consideration the three potential sites in Traverse County, Minnesota, for its OTH-B proposal.

Finally, please consider this letter my request or demand to be provided direct notice of the decision. Thank you.

Very truly yours,

Thomas M. Stringer

TMS:jb

4-243

Ofc & Lt. Mirabassi
Executive Mansion
St Paul MN
Farmers-Land owners
Traverse County

ARE YOU AWARE? Are you aware of the many questions raised by the Air Forces proposed Over the Horizon-Backscatter System, in Traverse County. All landowners in Traverse County and surrounding area hopefully will consider the following questions:

1. What are your land values going to do? — go down - naturally —
2. What are your real estate taxes going to do? — go up!
3. What are your friends and neighbors going to do if forced from their farms? — go on welfare
4. What are the long term effects of the waves radiating from the system? — get cancer
5. What are the health, land and animal hazards? — sickness
6. What are the hazards to your way of life? — worry —
7. Is this system going to work when it is finished or is it going to be a waste of your tax dollars? — U.S. Gov. will have to answer to that.
8. Could it become a nuclear waste dump in the future? — pretty sure. —

If you don't like the answers to these questions, write stating your opposition of the OTH-B System by October 6, 1986 to:

HQ Electronics Systems Division - OTH-B Systems Program Officer -
Attn: Lt. V.G. Brown - Hanscom AFB, MA 01731

G2, G4, G6, G8

G3, G6

Route 1 Box 47
Wendell, MN 56590
September 30, 1986

HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, Maryland 01731

Attn: Lt. V. G. Brown

Dear Sir:

We are writing to express our concern against the proposed OTH-B radar system to be located in North Traverse County. We are opposed to this installation because the proposed site is on prime agricultural land. Our country needs a strong defense, but it can not afford to lose prime farm land. Mankind can create defense systems, but it cannot create more farm land. Defense systems come and go, but prime land is not so plentiful.

Secondly, we are opposed to the placement of this system because we are in the aerial crop spraying business. This proposed site is situated in the heart of our service area.

We would like the following questions answered in the final EIS:

1. Why is the proposed site on prime farm land?
2. Does the installation of this system render the site useless for future productivity?
3. How would we be compensated for the losses to our business if the system is installed?
4. What are the rules and regulations imposed on aerial operations around such a proposed site?
5. What are the proposed uses for this site by the U.S. Air Force and/or the U.S. government after the system is obsolete?

Thank you for giving this correspondence your time and consideration. We will be looking for your communication to us in the near future with answers and comments to our questions.

Please send us a copy of the final impact statement. Thank you.

Sincerely,
Jim Weigand
Kay Weigand
Jim and Kay Weigand

Copies to:

Rudy Perpich, Governor
State of Minnesota

Senator Dave Durenburger
U.S. Senate

Hon. Vin Weber
U.S. Congress

Senator Rudy Boschwitz
U.S. Senate

Senator Charles Berg
Minnesota Senator

4-244

DEC 18 OCT 86

Beardsley, Mn -
Sept. 16, 1986

HQ Electronic Systems Division
OTH-B Systems Program Office
Attn.: Lt. V. G. Brown
Hanscom AFB. MA. 01731

Dear Sir:

I am saying "No" to the Radar Site in Traverse Co. Minnesota.

Don't you think we would like to live a life God has intended for us to live rather than have others who don't care what happens to our loved ones, our homes, our land and the air we breathe?

Do consider and think about this matter which is very serious. Don't take away our American dream.

Though the Lord knows everyone's needs, He wants to know that I care, I do care... - and that, for me, is prayer.

A concerned person who believes in God -
Mrs. Helen Homen

RECEIVED
HQ OCT 86

G4, G6, G8

September 29, 1986
Charles and Valeria Hegel
Rt. 1 Box 105
Tenney, MN. 56582

Hearing Officer
H Q Electronics Systems Division
PTH-B Systems Program Office
Hanscom AFB, MA 01731

Attention : Lt. V. G. Brown

Sirs:

We as Traverse North Site concerned citizens are opposed to the OTH-B radar system because of the health hazards, agricultural upheaval and loss of state and local revenue it will bring to our state.

115

I would like the following questions answered in the Final EIS.
- How many families will want to or have to move?
- What will their livehood be if they are uprooted from agriculture?
- Will they be retained for other jobs at government expense?
- What adverse effects will this OTH-B Radar System have on our health?

There are many more concerns also which I am sure you are aware of.

Please send me a copy of the Final Impact Statement. Thank you.

Sincerely,

Charles Hegel
Valeria Hegel

4-245

RECEIVED
HQ OCT 86

G8

Sept. 23, 1986

Attn: Lt. V. G. Brown

I am writing in regards to the possibility of an OTH-B radar system being constructed in Dollymount Township in Traverse County, Mn.

Our prime farm land should not be used for this purpose. We do not plan on retiring now or in the near future. And even if we did, our land would stay in the family and remain productive for many generations to come.

I do not believe this system has been proven to be safe. There are too many unanswered questions as to the effects on human health and also the environment.

Therefore I strongly oppose the construction of an OTH-B radar system in this area.

A concerned citizen,

Paul Bekaert
RR 1 Box 101
Wheaton, Mn 56296

RECEIVED
9 OCT 86
D

G2, G8

Dear Sir:

I am Shawn Haddatz, wife of Virgil Haddatz and mother of three girls and two boys. We live on a dairy farm in Bellymount Township, section H, which is in or near the Alaska SEG study area.

This farm has been in our family for two generations and hopefully for many more generations to come. We have invested many thousands of dollars to continue to build this farm up so that it would be a profitable operation to hand down to our children.

I have deep concern as a mother. There is NO GUARANTEE that the health of our children will not be affected years from now. The EPA seems to show great concern over wildlife, but what about my children? You may say don't have to worry, but with all of your entries to the world of the night and none to the world is how the radiation is being emitted?



(2)

There also is NO GUARANTEE that once the government has control of the land, that in a few years they could not use it as a nuclear dump site. That is also something I would not want my children exposed to.

Our children have taken out their own loans to get involved and have ownership in our dairy operation. They work side by side with us starting at 3:00 a.m. and again after school until 9:00 p.m. Because of our financial position and the possible financial position of the next generation, they could lose everything that they have worked for since age 5, if there is ever given the word that there are safer effective ways to supply our energy voltage which would be detrimental to our future in the dairy business.

I have reconsidered your decision for the site selected and feel it is a very questionable area of your study. I feel that research must be implemented for a project that

(3)

may already be obsolete because of the stealth fighters reported in training according to the Washington Post.

Sincerely,
Shawn Faddis
RR 1, Box 16
Wheaton, MN 56296

4-247

PHONE (218) 339-2169

# St. Gall's Church

Tintah, Minnesota 56583

RECEIVED
9 Oct 86

30 September 1986

G1, G2, G4, G6, G8

Hearing Officer
H Q Electronics Systems Division
OTH-B Systems Program Office
Hanscom AFB, MA 01731

Attn: Lt. V.G. Brown

Sirs:

I am writing to express my grave concerns regarding the OTH-B System Radar Transmitter proposed for Traverse County of Minnesota. I am opposed to having such a site placed on any of the three suggested sites in Traverse County. The following questions are of great concern to me and have not been satisfactorily answered:

1. Is the Air Force sure that such a system is needed for the defense of our nation given the technology of Stealth aircraft and given the short life-span predicted of the OTH-B System Radar Transmitter? By your own admission the System will be obsolete in less than twenty years. Also, will such a system be able to detect aircraft that has Stealth capabilities?

2. Why was so little notice given to the residents of the area? Why was the Air Force not here sooner to explain to us the importance of such a system? Why was the public hearing held on 8 September 1986 permitted to close before all public comments were made with no opportunity for another hearing?

3. Have studies proven that the system's environmental and health impact will be minimal? What method or criteria have been used to determine its safety? Does this criteria make use of the most recent available technology? Given the health risks of the 'enclosed' area around the radar towers, have all other health risks been adequately determined? Since there are no long terms studies addressing this question, is it prudent or even wise to take the risks that might be involved?

4. One argument used in favor of the proposed system has been that their will be an economic advantage to the area. Considering the possibility of more jobs in the area, have you factored in the number of jobs lost to the area because land has been taken out of production? What will be done to recover lost tax revenues?

5. Once the system is no longer of any use to the Air Force, what will become of the land? How do you propose to obtain the land, especially if some residents refuse to sell? What do you propose to do to help those who are displaced because of this system?

As pastor of one of the local Catholic communities, I must protest the Air Force's gross irresponsibility in dealing with lives and livelihood of the residents of Traverse County. Failure on the part of the Air Force to adequately address all questions and concerns of all involved is a neglect of duty. To sacrifice the trust of people in the name of national defense is a mighty high price to pay. I have become aware of the gross injustice done to the people of this area. As a result, I believe that the opportunity for rational discussions on the proposed system is put into jeopardy.

I respectfully request that this letter be placed in the official testimony being taken on this project. I likewise respectfully request that my questions be addressed and answered.

Please send me a copy of the Final Environmental Impact Statement. Thank you.

Sincerely,

Eugene Doyle

(Rev.) Eugene Doyle, Pastor
Church of St. Gall
Tintah, Minnesota 56583

4-248

Copies to:
Rudy Perpich, Governor
State of Minnesota

Senator Charles Berg
Minnesota Senator

Senator Dave Durenburger
U.S. Senate

Senator Rudy Boschwitz
U.S. Senate

Representative Vin Weber
U.S. House of Representatives

RECEIVED
RADC

September 29, 1986
Tintah, Mn. 56583

G3, G8

To- Lt. V.G. Brown
Refrence For submission to Final EIS

From - Donald Bullis. Resident Traverse North

As a Traverse North Site resident I am opposed of the OTH-B Radar System because I feel it would be a health hazard and it does not belong in a good agricultural area so heavily populated.

Sincerly
Donald Bullis
Box 7
Tintah, Mn. 56583

RECEIVED 9 Oct. 86

September 24, 1986

G8

HQ ELECTRONIC SYSTEMS DIVISION
OTH-B SYSTEMS PROGRAM OFFICE
ATTN: LT. V. G. BROWN
HANSCOM AFB, MA 01731

RE: OTH-B proposed radar transmitter in Minnesota

Dear Lt. Brown:

We would like to go on record as opposing the proposed construction of the OTH-B radar transmitter in Traverse County, Minnesota. We are landowners and farmers in the proposed area.

We feel the health questions and enviromental concerns and questions [redacted] remain unanswered.

Sincerely,

John Honzo Clara Honzo

John & Clara Honzo
RR# 1 Box 19
Chokio, Mn. 56221

4-249

RECEIVED 9 Oct. 86

G3

10790 Ravenna Rd. #302
Twinsburg, OH 44087
October 1, 1986
(216) 425-4626

ESD-SCO
Hanscom AFB, MA 01730

Dear Sirs,

I'm a software engineer currently living in Twinsburg, Ohio. I spent the first 20 years of my life on a family farm in Traverse county Minnesota. My father and my uncle still own and work that same farm today as they have for the past 30 years. I am writing this letter to express my disappointment and disbelief that the Air Force and the U.S. government would be considering Traverse county as the location for the OTH-B Central Radar System.

Traverse county is at the southern end of the Red River Valley. The land in the Red River Valley is probably some of the most ideal and productive farm land anywhere in the United States, if not the world. I find it very hard to believe that the U.S. government would want to do anything which would take this land out of production. I'm sure land more suitable for a radar transmitter exists somewhere in the North Central United States.

After reading the newspaper accounts of the Air Force studies done on the different areas being considered, I found it very sad that the Air Force would show more consideration for the animals which would be affected than for the human beings who would have to leave their homes. Traverse county is an area of family farms. The people living there have put everthing they have into making their farms successful. It isn't just a matter of packing things up, moving to town, and getting a new job. When you've dedicated your life to something, giving it up and starting over just isn't that easy.

All the environmental studies and budget reports now point to Traverse county as the best location for the radar system, but there comes a time when decisions must be based not on studies and reports alone. Sometimes the decision must also be based on what is right. And it is just not right to take away something people have worked their entire lives for. Certainly there must be some other area where the radar system could be built without people having to leave their homes. Please think about this side of the issue before making your decision.

Sincerely,

Gary Keller

Gary Keller

RECEIVED
Rec'd 86

October 3, 1986

G3, G4, G6, G8, G9

James McChesney
Campbell, MN 56522

Hearing Officer
H Q Electronics Systems Division
PTH-B Systems Program Office
Hanscom AFB, MA 01731

Attention: Lt. V. G. Brown

I am a teacher at Campbell-Tintah Public Schools. This letter is for the purpose of opposing the OTH-B Radar System.

Our local school district stands to lose many students which it cannot afford to lose; also, the county stands to lose many tax dollars which it cannot afford to lose.

Why was this area selected for this project?

The Red River Valley has the most fertile land in the United States. Surely another site could be selected where land that was non-productive could be used.

How do you decide what land to use and what compensation will be made for the land?

Several years ago, land in our area was selling for $1,400 to $2,000 per acre. Naturally with the depressed farm economy, values have dropped. Are they paid fair market value or are they forced to sell at today's depressed values?

Are they forced to leave their land if they refuse to sell?

Some of this land has been in their families for generations. Do they have any say, any rights?

Will this have an effect on the whole area with TV reception, etc.?

Will this effect the wildlife in our area?

This is excellent duck, geese and deer country.

What happens to the land and the system being installed if it becomes obsolete (as do most things government undertakes)?





Will there be any guarantees that the land will be put back in its original state - or God forbid, will it be used as a Nuclear waste dump with no concern for its area citizens?

Most importantly,

What effect can this have on our health?

Surely there is some area where this could be built where it would not effect so many people.

I would like an answer to my questions.

Please send me a copy of the Final Impact Statement.

Thank you.

Sincerely,

James McChesney

cc: Governor Rudy Perpich
Room 130
State Capitol
St. Paul, MN 55155

G8

RECEIVED
Oct 86

October 6, 1986

Gentlemen,

I am writing to say that I strongly oppose construction of a Radar Base in the Wheaton area.

I deeply value my life as a farmer and enjoy raising my children in their present environment. I feel that the site would be harmful to our health.

Sincerely,

Mrs. James Schwebach
RR1 Box 44A
Belgrade, MN 56236

4-251

RECEIVED
Oct 86

October 6, 1986

Gentlemen

G3

I strongly oppose possible construction of a radar base in the Wheaton, Minnesota area

I want to ask, why do you feel justified in taking prime agricultural land away from farmers, when the farming community is so threatened now?

Sincerely,

James Schwebach
RR1 Box 44A
Belgrade, MN 56236

COUREY, SCHWINN & KODADEK
A PROFESSIONAL ASSOCIATION
ATTORNEYS AT LAW
SUITE 300, 400 MARQUETTE AVENUE
MINNEAPOLIS, MINNESOTA 55401
TELEPHONE (612) 339-0441

SAM T. COUREY
ROBERT P. SCHWINN
GEORGE R. KODADEK

JOHN B. WALDRON
LAWRENCE R. ALTMAN
M. JOANNE SCHNEBACH
CAROL C. SHEPPARD

RECEIVED
Rec'd Oct. 9, 86

G8

October 3, 1986

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Re: Proposed Central Radar System

Dear Lt. Brown:

Our firm represents ICI Top Pork Inc, a Minnesota Corporation, successfully engaged in the business of raising swine near the North Wheaton selection site for the proposed Central Radar System (CRS). Our client has studied the proposed installation and has consulted with a number of its professional advisors as to the effect of the CRS on its swine operation. These inquiries have raised serious concerns for our client.

First and foremost, our client is concerned for the health and safety of its employees and its swine. It is advised that the large amounts of radio frequency radiation (RFR) produced by the CRS could have a deleterious affect on both. Also, the RFR could cause stray voltage to come within the area of the swine. This appears to have been unaddressed by the Environmental Impact Analysis.

In addition, for a successful swine operation, it is essential that it be located in an area of relative isolation from people and noise. The presence of people increases the risk of disease for the swine. Noise and voltage will adversely affect production.

Our client is also concerned about the affect the CRS will have on the water in the area, both in terms of the amount and availability of water and possible contaminants that could enter the water table. These contaminants include not only heat from the RFR, but also other potentially hazardous products that would be stored on the site. It is essential that the water supply remain adequate and safe; the Environmental Impact Analysis does not adequately address this problem.

4-252



Other factors would also result in a decline in the profitability of our client's business.

Because of these concerns and others, our client is opposed to the North Wheaton site as a location for the CRS. The significant adverse affects on our client's operations would likely rise to the level of a taking compensable under the Fifth Amendment to the United States Constitution. The taking would result in considerable damages to our client. It is our intention to vigorously pursue all the protection available and all rights that our client may have available to it, should such action become necessary.

Therefore, on behalf of our client and in keeping the public interest, we respectfully suggest and urge that this location be dropped from any further consideration. Please keep us informed on the status of the selection process.

Sincerely yours,

COUREY, SCHWINN & KODADEK, P.A.

Sam T. Courey, Jr.

STC:JLN:jc

RECEIVED
9 Oct 86

G3

Sept. '86

Dear H Brown

I am a resident of Traverse Co. I live two miles South of Tintah, West of Hwy. 9. My home is about one mile from the radar site. I also farm about 1800 acres that is in the proposed site. I've been farming for about 12 years. I helped my father from age 8. I plan to farm for many more years. I am very opposed to the radar system, because it is being pushed on us, with not much to say in our behalf. I also think it is a waste of tax payers money. Some of the best farm land in the state is in the site. It's dangerous to wild life, dangerous to people who live near the site, it would disrupt the nature of our community. It would endanger our livlihood. I think if our country does need this system, a less populated and productive site could be found. Not enough research has been conducted about possible hazard affects. I would not give up the land. Stop this from happening.

Sincerely,

[signature]

4-252

RECEIVED
15 OCT 86

G3, G5

Comments on the Proposed CRS, OTHB Radar System

Douglas L. Berg
B.S.Agricuture- Farmer

Address Chokio,Mn. 56221
Traverse Co. Dollymont TwnSp. Sec. 25

I am opposed to locating the OTHB Radar System in Traverse county of Minnesota and specificaly opposed to locating it in the proposed S.E. area of Traverse County. In reading through the Enviromental Impact Analysis I find comments about the S.E. study area that are very alarming. Page 4-10, Sec 4.3.2.7. reads as follows: (Because minimal grading and relatively minor alterations to the drainage pattern would be required, impacts on the water quality would be small.) It also notes in the statement that the creek would have to be culverted or rerouted in the S.E. Area. It is quite apparent the person making this statement has never looked at the creeks and drainage system. The twelve mile creek and its east and west branches carry large volumes of water in the spring and throughout part of the summer. The creek system is more like a river in the spring, draining a large area from five miles south of Johnson, all the way from Chokio on one branch and Donnelly on the main creek. I believe it would be impossible to try and successfully reroute one of the creeks or culvert it without creating a drastic change in the drainage system of the S.E. area. There would be massive amounts of earth to move because the flood plain area along these creeks in some places may reach one eighth of a mile, with a drop to the creek bed of eight to ten feet. Pictures one through four show some of the creeks in the spring. Pictures five through seven show the debris consisting of trees and rushes that is left on top of culverts. This debris is left when the water level finally drops and also shows that the culverts are filled to capacity and sometimes run over the roads causing a washout in the road. Other problems found in culverting these streams are icejams that block the culverts, damming up the water behind them. The trees also have a tendency to block them. I remind you that this drainage





system has handled the water for many years but if there would be any diversions of the creeks that would put more water in one of the other creeks there would be many washouts of roads, ruined farm sites and water running across the farm land causing erosion and large amounts of soil in the creeks. An example is an area just north of the proposed site. Its principle drainage is a ditch system. When the snow thaws in the spring the ditch overflows. There isn't a flood plain to contain the water so it spreads across the whole area.Pic. 8-9 This would likely happen to a diverted creek. Who would pay for the hundreds of thousands dollars in damage that could result. Also on table 4-2 under perennialponds, there isn't any listed for the S.E. area. I know of seven besides the Lichtsinn goose pond which is in the north west side of the area.. These ponds have wildlife habitat around them for deer, pheasants and other animals of the area.

I am also concerned about the amounts of wildlife that would be affected by the radar site. The farmland provides cover for a variety of wildlife includingjackrabbits,gophers, mice and pigeons which are food for hawks and owls that make their home in the area. Some of these are the Marsh hawk, Redtailed hawk and great horned owl. They are also food for the migrating bald eagles, peregrine falcons and thousands of hawks that come through this area.

In addition the small fish in the creeks are food for the snowy egret and blue herons that stand in the creeks fishing for them. These birds fly low to the ground and would be in danger from the radar site. The creek is also home to nesting geese and ducks that need the water for their offspring and themselves.



Pic. 1 This is the twelve mile creek in the spring
Width approx. one eight mile





Wood ducks nest in the trees along the creeks and fly low along the creeks. The S.E. area is a fly way for the ducks and geese between the S.W. area of Traverse and the Fishlake wildlife area located about five miles east of this area.

I am also submitting pictures No. 10 that show some of the swans that use this area in the spring for about two weeks. They stop here on their migration route for rest and food. There are thousands of them plus many more ducks and geese.

The last subject I'll talk about is the type of soil in the Wheaton S.E. The farms in this area raise some of the best crops around because of the proper rainfall, soil types and farming practices. The predominant soil types according to the Soil conservation service data are Glyndon, Croke, Beardon, Doran, and Wheatville. The S.C.S. has other data that compares the expected yield of a crop to the soil it is grown on. Comparing these two charts proves we do have some of the best soil in the county to raise our crops on.

In conclusion: The radar site shouldn't be put in Wheaton S.E. because of the vast problems associated with trying to divert or culvert the streams, and because of the numbers of wildlife living and migrating through the area that would be in danger from the radar site and the excellant farmland that would be taken out of production.



Pic. 2 Twelve mile creek



Pic. 3 This is a photo of a small trib. of the main creek. This branch only drains about 3-4 miles



Pic. 4 This picture shows a road after the creeks level dropped. Water was at least 1-2 feet over this road.



Pic. 5



pic. 7



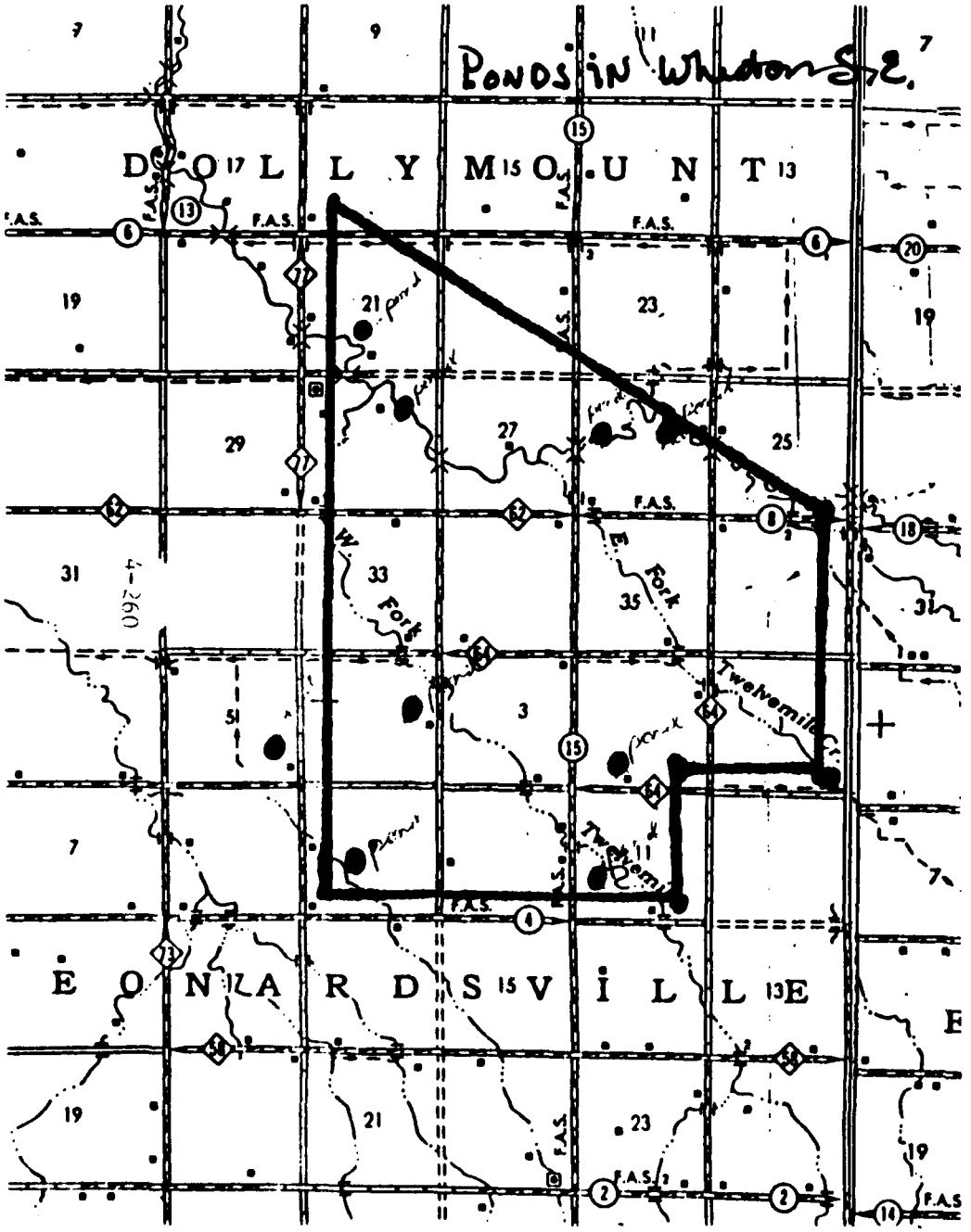
Pic. 6







Pic. 10 Thousands of swans feed and rest in these fields and others in the Wheation S.E. site area.




Sept. 28, 1986
Wheaton, Minn.

G3, G6, G8

Lt. V B. Brown,

I feel strongly that it would be a terrible mistake and injustice to the community involved to build the proposed OTH-B Central Radar system in the Wheaton, Minn. area.

I would ask that the people who make the decision would actually come here and view the wonderful farm land and Community they would be ruining.

It would be a terrible hardship for many many farm families who would have to move because of the health hazard.

(over)

And what would our land be worth near the area?

Certainly there is poor land and less populated areas where the OTH-B Central Radar System could be located.

I ask the industrial Committee to please pass a resolution against the OTH-B radar system being built in the Wheaton area.

Sincerely

Lenora Behrens
Wheaton, Mn.
56296

4-261

119

RECEIVED
15 Oct 86

Air Force

G3, G8

Randy Behrens
Box 49
Dumont, MN

I live on the NE 1/4 Sec. 4 Leonardville township, which is within the Wheaton SE site. I grew up on this farm. My Dad worked all his life to build this farm, & I hope to pass it on to my son someday. We don't want to give up our farm - We want to stay right here!! We are located on the southern end of the Red River Valley, some of the best farm land in the country. How can the Air Force even think of taking this kind of land out of production.

I am also concerned about the possible health effects caused by radiofrequency radiation. There would be a lot of people, livestock & wildlife effected in this area - or any place else in Traverse County.

Opposed
Randy Behrens

September 13, 1986

Lt. V. G. Brown
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, MA 01731

Dear Lt. Brown:

Re; OTH-B Radar Base, Wheaton N and other Traverse County Sites.

We, the family of Agnes Berger and the late Erick Berger, and current landowners in Redpath Township, Traverse County, Minnesota, would like to go on public record that we STRONGLY OPPOSE the U.S. Air Force building of a Over-The-Horizon Backscatter (OTH-B) Radar Base on the Wheaton North site, or any of the Traverse County, Minnesota sites.

The starred (*) names would like to receive copies of the Final Enviromental Impact Statement.

Sincerely,

*Agnes Berger
201 10th St. No.
Wheaton, MN 56296

*Leon Berger
7845 Newman
Arvada, CO 80005

*Verdell Berger - Patricia Berger
420 So. 6th
Breckenridge, MN 56520

*LaVonne Berger - Dale Rosheim
9320 E. 17th
Anchorage, AK 99504

*Gordon Berger - Laura Berger
9450 153rd Ave. N.W.
Anoka, MN 55304

*Marcie Conroy - Thomas Conroy
Rte. 2, Box 2
Wheaton, MN 56596

*Cynthia Thrall - Gregory Thrall
1106 Polle Court
Billings, MT 59105

4-262

RECEIVED
15 OCT 1986

G1, G2, G3, G4, G5, G6, G7, G8

September 29, 1986

TO BE PUBLISHED IN THE FINAL ENVIRONMENTAL IMPACT STATEMENT

RE: OPPOSITION TO OTH-B RADAR TRANSMITTER PROPOSED FOR THREE SITES IN TRAVERSE COUNTY, MINNESOTA

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA. 01731

Lieutenant Brown:

This letter is to voice our adamant, resolute opposition to the OTH-B radar transmitter proposed for Traverse County, Minnesota. We are very, very concerned about the following:

Loss of several farm families; loss of up to 4000 acres of prime Red River Valley farmland; harmful health effects from exposure to excessive radiation; decommissioning possibly leading to a nuclear waste repository; obsolescence in view of the U.S. fleet of the radar-eluding "Stealth" fighters already being used; waterways and roads being rerouted, causing many problems; communications interference; the acquisition of farmland when the farm economy is severely depressed -- farmland which was worth twice its current value less than five years ago; severe limitations on aerial crop spraying in the area, and last but not least, the very credibility of the draft Environmental Impact Statement.

During the course of time since first hearing of the OTH-B installation proposed for Traverse County, we have met with many lies and much deception from the U.S. Air Force. Promises and statements which have already been falsified. For instance:

Colonel James Lee stated on June 12, 1986, that "hundreds of copies of the EIS" would be available to us at public institutions such as the city hall, library, post offices, banks, the county courthouse. What actually happened is that very few copies were available to our Traverse County residents. We had to call Hanscom Air Force Base to request a copy of such!

Another instance: Colonel James Lee stated on June 12, 1986, at the 2 p.m. meeting with members of the Wheaton Industrial Development Commission and a small group of area landowners that "he will make sure area farmers are talked to to find out exactly what economic impact the loss of cropland will mean to this area if selected." (Quoted from 6/19/86 Wheaton Gazette). The fact is that contact was NEVER made with any farmers and consequently the area farmers had no input into the economic impact this radar installation would have in our rural area. *Consequently, this issue was not* addressed in the Draft EIS. Stanford Research Institute of California contributed their facts and figures to the draft EIS -- but the farmers of Traverse County, Minnesota, were NEVER GIVEN THAT CHANCE!!

Instance #3: Colonel Lee stated at the June 12th evening meeting that "an aerial crop spraying plane could spray right up to the exclusion fence surrounding each antenna. In fact, an antenna might even be shut down temporarily to allow a crop duster to spray a field that runs right next to the fence." (Quoted from 6/19/86 Wheaton Gazette). The fact is: that issue is not even discussed in the draft EIS. But now, Colonel Lee tells us (at the public hearing at Langford, S.D. on 9/11/86) that an aerial crop spraying plane must stay at least one mile away from the exclusion fence -- this limitation would affect approximately 14,000 acres of Traverse County farmland from being aerially sprayed each year! Quite a reversal!

Instance #4: The prompt adjournment of the public hearing held at Wheaton, Minnesota, on September 10, 1986, at 10 p.m. sharp with





no previous notice being given was very disgusting as well as unfair. These limitations should have been published in the newspaper or given to the public well in advance of that hearing. I called several times to Lieutenant Brown's office (as my telephone bill will reflect) to obtain the ground rules for the hearing.... but only met with excuses, no answers to my questions concerning such rules. Earlier (back at Wheaton on June 12th) Colonel Lee stated that "we will be willing to stay until the early hours of the morning to hear what you people have to say" (referring to the public hearing which was later scheduled for 9/10/86). In Colonel Lee's letter addressed to us dated August 18, 1986, he states: "We welcome your participation in the public hearing and ask you to also notify other interested agencies, groups and individuals." This is exactly what we did -- we had 70 people signed up to speak at that public hearing -- but you chose not to hear us through!

Do you possibly know how much you have disrupted our lives by dropping this "OTH-B bomb" on us? Out here in Traverse County, Minnesota, we enjoy the good things that matter in life... clean air, unpolluted water, a beautiful country setting, away from the "rat-race" of the metropolitan areas and their related problems. *When you came into our lives six months ago,* I didn't even know what an OTH-B or EIS stood for! And now I feel as if you are the people with whom I spend most of my time. I wake up in the morning thinking about you and I'm still thinking about you when I go to bed at night. I want to tell you what you've done to me and my life. Instead of spending time with my family, I am spending hours writing letters and hours on the telephone. We go to meetings two or three times each week and worry about this all the time.

Last Sunday morning in church, we were asked to pray for our friends and enemies. I've been thinking alot about that and have

Lt. Brown
Sept. 29, 1986

been trying to convince myself that you are basically normal people who are just trying to do your jobs. But I wonder how you feel at the end of the day? Do you go home to your families and tell them you've had a good day at work? How does it make you feel to listen to the people out here in Traverse County, Minnesota, telling how you'll be driving them off their farms, out of their homes?

We have a certain quality out here in Traverse County, Minnesota, called P-R-I-D-E! Pride in our farmland, pride in our families, pride in our farmsteads -- it's an inborne feeling that tells us that we are the deserved caretakers of this productive farmland -- some of the best in the whole country.

There's an old saying by American orator and statesman William Jennings Bryan that sums up what many family farmers are feeling these days:

"Burn down your cities and leave our farms, and your cities will spring up as if by magic; but destroy our farms and the grass will grow in the streets of every city in the country."

Sincerely,

Marilyn Mathias

Mrs. Marilyn Mathias
Route 1, Box 104
TRAVERSE COUNTY
Wheaton, Minnesota 56296

cc: Colonel James Lee
U.S. Air Force
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom Air Force Base, MA. 01731-5000

4-264

G2, G4, G8

Dumont, Minn
9-27-86

RECEIVED
R150056D

HQ Electronics Systems Div
OTH-B Systems Program Office
Attn: Lt U.S. Brown
Hanscom AFB, Ma 01731

Dear Lt Brown:

We are so totally involved in the site chosen as a possible location of the OTH-B site. In 1966 my husband was totally injured, leaving me alone on the farm with eleven (11) children. We had purchased 320 acres of land in 1964. This land is on the Wheaton 10 site. I had to go to work at the Wheaton Hospital to make payments as I could keep the land and support my family. Two of my sons now farm that land and the remainder of my 320 acres farm. In 1974 I remarried - Gerald Franck. We live and farm on the Wheaton N. site. This was his home since 1950. We remodeled the house in 1980. We are permanent farm fixtures and love our lives as it is. — Also one of my sons farms just outside the fence on the Wheaton N site. So as you see, we are totally involved.

There are other reasons we oppose this facility

1) Health — We have had Dr Ostberg, a physician involved - He is among at least five other knowledgeable people here who state there is a dispute radiation effect to humans and animals - and the EIS states in no doubt believes it will have an effect - more studies have to be done. For the health of all age and the unborn we oppose this system.

2) Farmers - If this would go ahead would it need all the [illegible] Would the govt pay for schooling to [illegible] educate them, affected into other fields? There is only so many farmers we have left.

3) Price - It is important that we feel there is no [illegible] amount of money received or payments are for our lives, this is our life - our livelihood — How can a person be put on that?

4) Necessity - Is this site really necessary? We feel it should be checked by the time it was completed, because of [illegible] digital we would detect

However I oppose the construction of this site in Traverse County [illegible] site

Sincerely
Mrs Gerald Franck
Gerald Franck

9-28-86

U.S. AIR FORCE

G3, G4, G8

Vicki Behrens
Dumont, MN

I live in th NE 1/4 Sec. 4, Leonardsville Township, which is in the Wheaton SE site!!

I am a farmwife, and the mother of three children, Kayla-4 years, and twins, Joshua and Melissa, 2 years. Each of these kids love our farm! They help me do the chares for our horse, dog and cats.

I asked them this morning if they would like to move to a different farm, and the 4-year old said, NO WAY, MOM! That is exactly how I feel!

I have lived in this area for 29 1/2 years, I grew up only 6 miles away from this site! So, I know all the people in this area, and we do not want this area to change! This land is a part of us, and we want to continue making it our home. Last spring we planted some new trees on our farm, and like the trees, our roots grow deeper with every day that we are here! We do not want someone to buy us out and push us off our land! Or putting a Radar Base here, then it will be outdated in a few years, or some waste dump!!

I have wandered around this area riding my horse for 25 years. I have seen alot of beautiful animals growing up here, and the wildlife is incredible. Everything from deer, ducks, geese, raccoons, different kinds of birds, fox, and there was a moose that passed through here last fall! Also, there was fish in the creek last spring. The kids really enjoyed trying to throw stones at them from the road. We spent alot of time by that creek that you want to get rid of! The kids really enjoyed watching all the wildlife that lives in the creek. Last spring there were two musk-rats that were in the creek, I wonder if they will be back next year?

I can't see why you would want to take our land, it is some of the best farm land around! There are many young families trying to make a living off of the land here. Many of them know nothing else but farming. My husband, has been here all his life, and his Dad passed this farm on to him so that it would stay in the family. I hope that we can pass it on to one of our kids when they get to that age!!

Ten years ago, I was writing a report for a Human Relations Class in Tech-School, and one of my dreams was to marry a farmer, like my Dad! I did that, and I think that we live on one of the nicest farms around.

From what I have heard, I do believe that the radiation from this base will hurt people. If not now, probably in some generation to come. I want to see some proven facts, that it will not hurt people!!! Or livestock!! Testing radiation on animals does not prove alot to me in comparison to a human! There has to be more testing done!

4-265



Vicki Behrens
Dumont, MN

Also, I was very mad since the last meeting in Wheaton, on Sept. 10th, with the Air Force! I think that they were very rude to us, and they should have had to listen to everything we had to say. Since, it is our land that is the issue! Everything, should have been said!!

The heart of the matter is, WE DO NOT WANT THE LAND OF OURS TO BE TURNED INTO A RADAR BASE, WE WANT TO KEEP IT!!!!!!!!!!!!!!!

Yes, we are concerned about defense of our Country, but all of this does not add up! If you are going to ruin land, then why are you going to put up something that will be outdated? And why put so many young people out of their homes? Can't you find a little more deserted place to put this!!!

Well, this all I have to say. I hope you look a little deeper into this matter, and DO NOT PUT THIS ON OUR FARM!!!!!

Concerned!!

Vicki Behrens

Vicki Behrens

G2, G8

My name is John Tritz. I live in Sec.36 of Croke Twp., which is on the western side of the Wheaton S.E. site. I oppose the location of the radar transmitter; not only in the SE site, which is in my immediate area and thus my immediate personal concern, but also in any of the sites in Traverse Co. or neighboring S.D., or anywhere else.

I am opposed on the basis of the practicality of this system. Have we not, in recent years, been sold on the need for huge appropriations for the developement of the so called "Stealth Bomber"? If the technology exists today for the avoidance of radar detection, doesn't it seem, that in the time it takes to complete the construction of this radar system, that avoidance technology will have advanced to the point that it makes radar detection obsolete?

I am opposed on the basis of health concerns. In the discussion of the review of literature concerning the RFR effects on human health, (from page S-5, paragraph #3) I quote..."This review does not include any system specific information..." end quote. I ask you, "How can you make a valid environmental statement without any "System Specific Information!"?" 148

Again, quoting from the summary (page S-5, paragraph #4) "Epidemiologic studies performed in the United States and other countries have not provided adequate scientific evidence that environmental levels of RFR constitute a hazard to the general population". End quote. This leaves me to wonder - is there some evidence that does suggest a health hazard from constant exposure to the RFR and is this evidence not reported here because it may have negative effect on the advancement of this project? Again, we have no concrete answers, only generalizations. Because of these unanswered questions, I oppose the completion of this project which would then use myself, my family and my neighbors as the guinea pigs to provide the answers to these questions. 149

Because of these concerns, I hereby go on record as being completely and unequivocally opposed to the further advancement or completion of this radar system. 149

G3, G4, G5

RECEIVED
OCT 16 '00

Dear Sir:

I am writing to you about the proposed site of the radar installation near Pintak, Minn. I have just read in the paper, the articles about the OTH-B and the area farmers. A few questions came to my mind. Why would the government want to use some of the most productive agricultural land in the world for an installation site?

The land is very productive. On the other hand, it's locality is such, that it suffers from being under water - many springs. Do your people - who have the power to make such decisions, really want an area with significant water problems?

If our nation needs this radar system for defense - then, so be it. But wouldn't it be wiser to find a dryer area, where the land is suitable only for grazing sheep?

Another question, is, why doesn't the government buy land for its developmental purposes and pay accordingly for the real estate?

A very serious thought should be given to the future of these families that will be forced off their land. Who will pay for their education? Who will support their families while they are going back to school?

I hope you will consider all that I have said. I think they are very valid comments.

Respectfully,
Roxanne Stuldstad

11

OCT 16 1986

October 7, 1986

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA. 01731

RE: OTH-B radar transmitter proposed for
Traverse County, Minnesota

Dear Lt. Brown:

Enclosed please find the Traverse County Board of Commissioners' Vote To Oppose the location of the OTH-B radar site in Traverse County, Minnesota, which should be published and included in the Final Environmental Impact Statement.

Sincerely,

Steve Raguse

Steve Raguse
Traverse County Commissioner
District #5
Route 2
Wheaton, Minnesota 56296

Enclosure



Upon motion by Raguse, seconded by Escher and carried, the Traverse County Board of Commissioners do hereby oppose the location of the OTHB Radar Site in Traverse County. Voting was as follows--Commissioners Raguse, Escher, Cole and Lewis--Yes. Commissioner Geurts--Abstained. Motion Carried.

Upon motion by Lewis, seconded by Escher and carried, the board adjourned.

Attest: John A. Muellenbach
Auditor & Clerk of Board

Gerald Geurts
Chairman, Board of County Commissioners

SEP. 23 1986

Oct 11 - 86.

G3

Hanscom - C.F.B. - Mass.

RECEIVED OCT 16 1986

For Testing OTH-B System.

Ref. your letter for extended Mtg. in Wheaton, Mn.
Oct 31 - 86 - People of this area do not want the OTH-B System in this County or Area. To ruin our way of life and dirty our atmosphere. with its Contamination - that all questions have been answered. By putting System here will be ruining our Irrigable County - Creeks & Rivers Underground water and Rivers. Also destroy our Town Wheaton Mn. Cause the Country people extend to Bay Cat it.

Please don't use us for your Guinea Pigs and

- Take your System with it So. Dakota or No. Dakota - where there is Great Areas of unfarmed land in Range

Use Thank You - Sincerely,

Mr - Mrs. Clark Lee Thompson
CR1 - 13X 183
Tenney, Minn. 56580
(Not Taylor Twp - Traverse County)

4-269

RECEIVED OCT 16 1986

Tintah Minn
Oct 8 - 1986

LT. V.G. Brown Hearing Office
H.Q Electronic System Division
OTH R System Program Office
Hanscomb AFB Mass 01731

Dear Sirs

We are very much against installing this Radar in our Tintah area I hope this Can be stopped

sincerely

Mr & Mrs Clarence Gulliekson
Box 56
Tintah Minn 56583

G6

RECEIVED
OCT 16 1986

Tintah Minn
Oct 8-1986

LT VG Brown Hearing Office
HQ Electronic System Division
OTHR System Program Office
Hanscomb A F B. Mass 01731

Dear Sirs

I dont think there should be a Radar installed in Our good land area of Tintah a lot of Farmers will be out of work stop it

Mr Bill Gullickson
Box 56
Tintah Minn 56583

4-270

G2, G3, G4, G5, G6, G7, G8

RECEIVED
17 OCT 86

Sept. 26. 1986
Tenney. Mn.

Lt. V. G. Brown

I am against the O. T. H. - B. radar system! My family and I live and farm in and around the proposed Traverse Co. north site. I believe this prime agriculture land should be used for farming only. I am concerned about my family's health, the reduction of land prices that may occure near the site, the blocking off of many roads and drainage problems that could occure.

I feel the product will be obsolete when completed. "if not already" I believe east and west coast sites are adequate and that the central site would be over-loping them. I feel this project is only advantageous to large contractors and suppliers of materials, at the large expense to U. S. tax payers.

Questions

Will any supplys and materials be produced in Wheaton?
What will the radar site do to my family's health?
What will the air force use this land for after it is no longer used for a radar site?
I would like to see these questions answered in the final E. I. S.

Please send me a copy of the final statement.

Sigh Bagnes
RT 1 Box 115
Tenney, Mn. 56582

Lt Brown: 10 22 86
Could you please read this ad + answer the questions - possibly an ad just like this one - the sooner the better -

We have no problems with the radar site and would appreciate your answering these questions to reassure those who do.

Thank you
Delores McClaran
[illegible] Minn. 56552

RECEIVED 27 OCT 86
THE WHEATON GAZETTE

4-271

RECEIVED 27 OCT 86

4136 Morrill Lane
Minneapolis, Minn 55416
October 18, 1986

Lt. V. G Brown
ESD/SCO
Hanscom Air Force Base
Mass 01731

G3

Dear Lt Brown,

We are owners of a farm in Traverse County, Minnesota, and completely oppose the establishment of an ICBM-B Radar System site in the Wheaton area. We oppose the use of good productive farm land, when other areas could be used. We ask that you answer why land currently owned by the federal government in Minnesota could not be used for the site.

Secondly, we ask you why the proposed site is Traverse County all of different soils. It doesn't seem that a thorough study of the needs has been made.

Governor Rudy Perpich of Minnesota also opposes the location of the site. If it is necessary for national defense, we propose that it be located on currently owned federal land.

Sincerely
Anne and Aaron Bartz

150

Lt Brown: 10 22 86
Could you please read this & answer the questions — possibly an ad just like this one the corner the better. —

We have no problems with the redevelopment and would appreciate your answering these questions to reassure those who do.

Thank you.
Deloris McClerran
[illegible] 56552

RECEIVED
22 OCT 86
THE WHEATON GAZETTE

DUPLICATE OF PAGE 4-271

4-272

RECEIVED
27 OCT 86

4136 Morrill Lane
Minneapolis, Mn 55416
October 18, 1986

Lt V. G. Brown
ESD/SCO
Hanscom Air Force Base
Mass 01731

Dear Lt Brown,

DUPLICATE OF PAGE 4-271

As owners of a farm in Traverse County, Minnesota, and completely [illegible] the establishment of an ELF-B [illegible] system site in the Wheaton area. We oppose the use of good productive farm land, when other areas could be used. We ask that you answer why land currently owned by the federal government in Minnesota could not be used for the site.

Secondly, we ask you why the proposed sites in Traverse County all of different sizes. It doesn't seem that a thorough study of the needs has been made.

Governor Rudy Perpich of Minnesota also opposes the location of the site. If it is necessary for national defense, we propose that it be located on currently owned federal land

Sincerely
Gene and Karen Barty

Lt. V G. Brown
ESD/SCO
Hanscom Air Force Base, MA. 01731

RECEIVED 27 OCT 86

Dear Sir:

I want to say a few words as to how I feel about The Oth-B Radar Base coming in to our area. I'm 100% in favor of it. I can't understand why there has been such a be hads over it. Most peoples opinions are swayed by a few big mouth leaders. They don't stop to think things thru on their own. I feel if our country needs this defense system + the best place is here for it, I can't see any reason why it shouldn't be here. (over)

The people that are objecting to it wouldn't mind forcing many family farm owners off of their land to grab up another piece of land for their own purpose.

The sad thing about this is, is that so many I have talked to who are in favor of this are afraid to open their mouths because they don't want to get into trouble with their neighbors or such. I know for a fact there are many folks for this and are just afraid to say so. We say go ahead put it here

PS. We are land owners + family farmers

Sincerely,
Mr + Mrs. Harvy Sorensen
Rt. 1 - Box 154
Wheaton, Mn. 56296

153

G5, G6, G8, G9

RECEIVED
R27 XI 86

Oct. 20, 1986

Lt. V. G. Brown
Wheaton Mn

Dear Sir;

I am writing this letter in opposition to the OTH-B Radar System in the Wheaton Mn. & Traverse Co. of Minn.

There are too many unanswered question about the system, like the loss of Farm Families, Health Hazards, Takes too much land off the tax rolls, Communication interference, roads & Ditches will be repaired & cause erosion & flooding.

I am opposed to this system in our area.

Yours truly

James M Brown
R2 Box 128
Wheaton Mn 56296

4-274

10-21-86

Dear Sir;

RECEIVED
R27 OA 86

I'm writing to let you know we are opposed to the Backscatter Radar System located in Minn.

Richard Young
Janice Young
Box 133 R#2 Herman Mn 56248

G4, G8

RECEIVED
OCT 27 1986

Norcross, Mn.

Oct. 18, 1986

Lt Brown;

We are opposed to having the OTH-B Radar Base located in Traverse County For the following reasons: Hazardous to health, Not enough study done on this : Displacement of farm families against their will: uncertainty of what this land will be used for after the Radar Base is dismantled-------For other reasons we oppose this Base please call us at 612-284-2463.

Yours,

4-275

**STATE OF MINNESOTA**
OFFICE OF THE GOVERNOR
ST. PAUL 55155

RUDY PERPICH
GOVERNOR

RECEIVED
OCT 27 1986

Dear Lt Brown, Governor Perpich asked me to forward the enclosed letter to you. He is handling the proposed radar site. He certainly agrees with you. Please consider your views. Thank you for writing. Sincerely, Anne Barts

October 16, 1986

Anne and Warren Barts
4130 Morrill Lane
Minneapolis, Minnesota 55406

Dear Mr. and Mrs. Barts:

Thank you so much for your kind letter and for sending me a copy of the Wheaton Gazette! I hadn't seen the story and was pleased to have a copy for my files.

I agree with your assessment of the project. As the story indicated, on October 1, I wrote to the Secretary of the Air Force, Edward C. Aldridge Jr., and recommended that the three sites in the Wheaton area be dropped from consideration.

I told Secretary Aldridge that the proposal generated much opposition among residents and that township and county boards have been unanimous in their opposition to the project.

I am hopeful that if we continue to make our opposition to this proposal known to officials in Washington, D.C., we will succeed in having the sites dropped from consideration.

Again, thank you for taking the time to share your thoughts with me. I appreciated hearing from you.

Sincerely,

Rudy Perpich

RUDY PERPICH
Governor

AN EQUAL OPPORTUNITY EMPLOYER

G2, G3, G4, G5, G6, G8

Dumont, Mn
10-20-86

Lt U. G. Brown
ESD/SCO
Hanscom Air Force Base Ma

RECEIVED
NOV 27 1986

Dear Lt. Brown:

My husband, my eleven children and their spouses and families and myself all oppose the construction of the OTH-B in Traverse County, Minn.

There are several reasons:

1) Many families would have to learn a "new way of life" as farming is their only occupation. My sons, also my husband, would face this situation. Where would we go? What would we do?

2) The health hazards scare me. I'm as concerned for my own families and all the families within miles of this system. Dr. Dahlberg has stated positive hazards; where the air force has stated - "we don't believe" there are dangers.

3) This site - any of the three chosen - would be in populated areas - not a remote site as the air force states "we use a lot of power, so it must be kept as remote as we can possibly get it from people." Are we to be guinea pigs and in years ahead all be effected healthwise by this monstorous erection?

4) There are many more reasons: ditches, roads, tapes, spraying - crops for weeds, communications - to name some.

5) We believe, and rightly so, that this system will be remote before it is built. The U.S. has already aircraft which is radar-eluding - other countries certainly have that technology too.

Please - we beg you - let us live in peace in our community of Traverse County -

We trust you will care.

Marjorie Frisch
RR Box 64A DUMONT, MN. 56236

4-276

RECEIVED
NOV 27 1986

I am opposed to having the Air Force build this OTH-B Radar System in Traverse County, Minn.

My Telephone No. is 612-284-2261

Marie Antrich

G3

Oct. 16, 1986

RECEIVED
27 OCT 86

Dear Air Force Officials:

I am strongly opposed to the proposed siting of the OTH-B Radar system in the Wheaton, MN area. Other less-populated, poorer land-quality sites should be considered. There are too many unanswered questions and too many people affected in this area.

Look elsewhere for a more appropriate site, this area is too rich in people who want to be here and in prime farmland.

Ryan Poole
Wheaton, MN

4-277

10/86

Dear Mrs. Frank,

Please convey to all other who are involved that we support you completely. Myles Hermann lives on our farm and we certainly are against the proposed site. It would ruin our family farm. Many in his family, as well this and Margie can continue to live here.

Harris Gust
4130 Norell Ave
Hyde, Minn.
55406

RECEIVED
28 OCT 86

THE FORT GARRY

RECEIVED 28 Oct 86

G3, G8

Dear Sir
I live in Monson township Traverse County near Wheaton, Minn. I protest the air force Radar transmitter station to be here or any where in Traverse County. We can not give up any of our good farming land and I know it will be dangerous to our health.

Mrs Vernon Ehlers
R2 Box 73
Wheaton, Mn. 56296

4-278

RECEIVED 28 OCT 86

October 25, 1986

CERTIFIED MAIL-
RETURN RECEIPT REQUESTED

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA. 01731

RE: OTH-B Radar Transmitter proposed for Traverse County, Minnesota

Dear Lt. Brown:

Enclosed please find the following materials to become a matter of record and to be published in the Final Environmental Impact Statement:

1. Resolutions from Traverse County townships and City of Dumont,MN. opposing the OTH-B Radar;

2. Notice from Traverse County Citizens Against OTH-B Radar dated October 24, 1986, regarding petitions;

3. Letter from Minnesota's Governor Rudy Perpich dated October 1, 1986, addressed to the Secretary of the Air Force, Edward C. Alridge, Jr. opposing the installation of the OTH-B radar transmitter in Traverse Co., Minnesota.

I have received Governor Perpich's permission to have his letter of opposition published in the Final EIS.

Sincerely,

Mrs. Marilyn Mathias

Mrs. Marilyn Mathias
Route 1, Box 104
Wheaton, MN. 56296

Enclosures

cc: Governor Perpich



**STATE OF MINNESOTA**
OFFICE OF THE GOVERNOR
ST. PAUL 55155

RUDY PERPICH
GOVERNOR

October 1, 1986

The Honorable Edward C. Aldridge, Jr.
Secretary of the Air Force
The Pentagon
Washington, D.C. 20330

Dear Secretary Aldridge:

The Air Force proposal to locate transmitter sites for the Over-the-Horizon Backscatter radar system in the area of Wheaton, Minnesota, has created controversy and apprehension in western Minnesota.

As your officers have no doubt reported, public hearings in June and September resulted in a strong expression of public opinion in opposition to this project. Citizens voiced their concern over losing prime agricultural land and made known their fears of unknown health effects from electronic transmissions.

I have heard similar concerns in my visits with citizens of the Wheaton area.

Minnesota has a long and proud history of participating in the national defense. But we also have a long history of requiring governments to respect the common-sense wishes of the people.

It is my strong belief that the Air Force should respect the wishes of local communities, when those wishes are clearly expressed. That certainly is the case in the Wheaton area, where township and county boards are unanimous in their opposition.

The people of the Wheaton community have had a chance to study the project from documents provided by the Air Force, and they have come to a strong consensus in opposition to the OTH-B project.

I wish to join them in that opposition, and recommend that you remove the three sites in the Wheaton area from consideration.

Sincerely,

RUDY PERPICH
Governor

AN EQUAL OPPORTUNITY EMPLOYER

4-279

NOTICE

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

BECAUSE THE WHEATON NORTH, WHEATON SOUTHEAST AND WHEATON SOUTHWEST STUDY AREAS ARE ALL LOCATED IN TRAVERSE COUNTY, MINNESOTA, AND ALL TOWNSHIP PETITIONS WHICH HAVE BEEN SIGNED ARE IN TOTAL OPPOSITION FOR ALL TRAVERSE COUNTY STUDY AREAS, PLEASE CONSIDER SUCH PETITIONS AS EQUIVALENTLY TRIPLED IN EFFECT. CITIZENS IN TRAVERSE COUNTY ARE OPPOSED TO THE RADAR NOT ONLY FOR THEIR OWN STUDY AREA OR TOWNSHIP -- BUT FOR TRAVERSE COUNTY AS A WHOLE.

DATED: OCTOBER 24, 1986

TRAVERSE COUNTY CITIZENS ADMINIST
OTH-B RADAR

BY: Marilyn Mathias/Rick Mathias

MARILYN MATHIAS RICK MATHIAS

ROUTE 1, BOX 104

WHEATON, MN. 56296

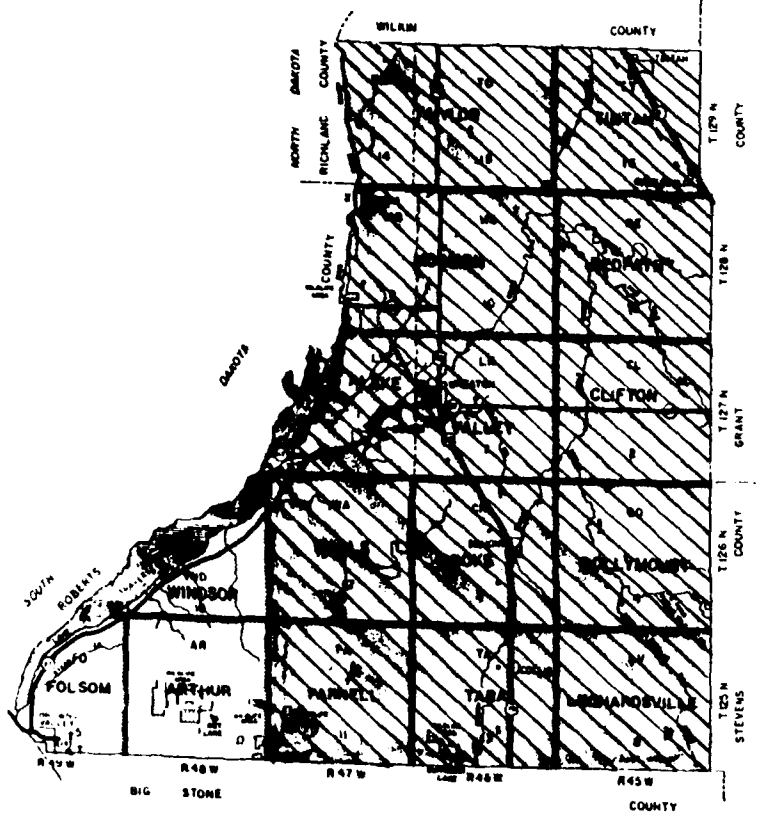
BY: Mayis Conroy-Tom Conroy by MJC

MAYIS CONROY TOM CONROY

ROUTE 2

WHEATON, MN. 56296

# TRAVERSE COUNTY
## MINNESOTA




# OPPOSITION TO
# OTH-B Radar

TOWNSHIP RESOLUTION OPPOSING OTH-B RADAR HAS BEEN PASSED

4-280

## MONSON TOWNSHIP
## RESOLUTION

At a special meeting of the Monson Township Board held on October 16, 1986, the following resolution was adopted: Be It Resolved, that we strongly oppose an Air Force Radar Transmitter Station within Traverse County, and we oppose the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development within Monson Township.

**MONSON TOWNSHIP**

43c

## TAYLOR TOWNSHIP
## RESOLUTION

At a special meeting of the Taylor Township Board held on October 14, 1986, the following resolution was adopted: Be It Resolved, that we strongly oppose an Air Force Radar Transmitter Station within Traverse County, and we oppose the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development within Taylor Township.

**TAYLOR TOWNSHIP**

42c

At a special township meeting of the Township of Redpath held on April 21, 1986, the following resolution was adopted:

Whereas, a radar station in Redpath Township would result in the potential loss of farm families and prime agriculture land, and;

Whereas, environmentally we find concern with possible health hazards, along with the loss of the aesthetic beauty that the land has, and;

Whereas, we question the economic advantage, for Redpath Township, the surrounding trade area, or Traverse County and we feel the short term use of the actual acreage for this military installation would be greatly outweighed by the long term agricultural benefit;

Now, therefore, be it resolved: That we strongly oppose an Air Force Radar Station within the township of Redpath, and we prohibit the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development.

**REDPATH TOWNSHIP**

## RESOLUTION

Because of concerns about the loss of tax base, drainage problems, alteration of roadways, and possible health risk to its citizens, the Board of Tintah Township has resolved not to allow the construction of the Over the Horizon Transmitter Site within the boundaries of Tintah Township.

**Reginald Hawes, Clerk**
**Tintah Township**

42c

## LAKE VALLEY TOWNSHIP
## RESOLUTION

At a special meeting of the Lake Valley Township Board held on September 16, 1986, the following resolution was adopted: Be It Resolved, that we strongly oppose an Air Force Radar Transmitter Station within Traverse County, and we prohibit the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development within Lake Valley Township.

**LAKE VALLEY TOWNSHIP**

38a

March 11, 1988

At the annual township meeting of the Town of Clifton, held on the above date, the following resolution was presented and adopted:

Whereas: Agriculture land is our basic asset in Clifton Township and considering if the radar station takes 4,000 acres permanently out of production, the monetary loss over a long period of years is astronomical. For example take Wheat at $3.57 a bu., Corn at $2.15 a bu., and Soybeans at $6.84 a bu., which is the local price as of March 8, 1988 and project them out at yields of 45 bu. for Wheat, 80 bu. for Corn and 20 bu. for Soybeans, the annual loss would be $640,320.00, which would have been spent locally. Consider this over the life of the land and that it is a production income that multiplies many times over in the processing and marketing of the commodity. These figures would nearly double if they were partly and much higher if they were target prices.

Now Therefore Be It Resolved: We prohibit the destruction of Agriculture land for any reason other than roads, drainage, ditches or residential development.

**CLIFTON TOWNSHIP**

(Pub. April 3, 1988)

March 11, 1988

At the annual township meeting of the Town of Clifton, held on the above date, the following resolution was presented and adopted:

Whereas: A radar station in Clifton Township would destroy 10% to 15% of our tax base and would create an additional burden on a small unit of government, (such as roads, drainage, ditches, garbage, security, etc.), to be paid for by the remaining tax payers, and;

Whereas: It would take highly productive land out of production, when it could be placed in an unpopulated, unproductive area and when completed there would be fewer jobs than from the production of that land, when considering the producing, processing, marketing, etc. of the product, and;

Whereas: It would cause interference in Television, Radio, especially business radios and create a target in an agriculture developed area, and;

Whereas: It adds to the cost of education and welfare, which the local support basically falls on agriculture land.

Now Therefore Be It Resolved: That we strongly oppose an Air Force Radar Station within the small Township of Clifton.

**CLIFTON TOWNSHIP**

April 18, 1988

# RESOLUTION

At a special township meeting of the Township of Croke held on April 18, 1988, the following Resolution was presented and adopted:

WHEREAS, a radar transmitter station in Croke Township consisting of approximately 4000 acres would result in a loss of several farm families and 20% of our township's agricultural land; and,

WHEREAS, environmentally, we are very concerned about being a military target, living near excessive radar radiation, the blockage of our roads, restriction of drainage, communications interference, and the restriction of air rights; and

WHEREAS, economically, we are concerned that our land could be condemned, forcing farmers to sell out during a depressed period, which sale would result in a loss of tax revenue; and we question if the economic advantages for our local businesses and job opportunities would be justified, considering the burden to our township and that the construction crews would have their own employees, with housing being built at the proposed site, which site could become obsolete in the near future.

NOW, THEREFORE, BE IT RESOLVED: That we strongly oppose an Air Force Radar Transmitter Station within the Township of Croke, and we prohibit the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development.

CROKE TOWNSHIP

## WALLS TOWNSHIP

# RADAR RESOLUTION

Whereas, a radar transmitter site in Walls Township of Traverse County, Minn. consisting of 3,000 to 8,000 acres more or less would result in a loss of farm families and as much as 25% of agricultural land; and

Whereas, environmentally we find great concern with health hazards to humans, wildlife and possible soil and water contamination from radiation, and possibly chemicals.

Whereas, we are concerned with the economic impact of the land used by the site, plus the lower land elevation on the surrounding area of land.

Now, Therefore, be it resolved: That we strongly oppose an Air Force Defense Radar System within the Township of Walls and we prohibit the destruction of agricultural land for this purpose.

18c



# RESOLUTION

At a special township meeting of the Township of Parnell held on May 1, 1988 the following Resolution was presented and adopted:

Whereas, a radar transmitter station in Parnell Township consisting of approximately 4000 acres would result in a loss of several farm families and 20% of our township's agricultural land and,

Whereas, environmentally, we are very concerned about being a military target, living near excessive radar radiation, the blockage of our roads, restriction of drainage, communications interference, and the restriction of air rights.

Now, Therefore, Be It Resolved: That we strongly oppose an Air Force Radar Transmitter Station within the Township of Parnell and we prohibit the destruction of agriculture land for any reason other than roads, ditches, residential or agricultural development.

PARNELL TOWNSHIP

19c

# RESOLUTION

At a Special Town Meeting of the City of Dumont held on May 9, 1988, at 8 p.m. the following resolution was presented and adopted:

Whereas a Radar Transmitter Station near the City of Dumont would result in the loss of several farm families which would be an economical hardship for the City of Dumont. We, the people of Dumont, do support a national defense system, but we also question the short term use of the Radar Transmitter Site versus the long term effect of the loss of prime agriculture land and farm families. We strongly urge the Air Force to choose an alternative location for the Radar Transmitter Site.

Whereas environmentally we are very concerned about living near excessive radar radiation which possibly could contaminate the surrounding soil and water, blockage of surrounding roads, restriction of drainage and possibly communications interference; and being a military target.

Now therefore be it resolved: That we strongly oppose an Air Force Radar Transmitter Station near the City of Dumont or anywhere within the County of Traverse. Also we prohibit the destruction of agriculture land for any reason other than roads, ditches, residential or agriculture development.

CITY OF DUMONT

# RESOLUTION

At a special township meeting of the Township of Tara held on May 5, 1988, the following Resolution was presented and adopted:

WHEREAS, a radar transmitter station in Tara Township consisting of approximately 4000 acres would result in a loss of several farm families and 20% of our township's agricultural land; and,

WHEREAS, environmentally, we are very concerned about being a military target, living near excessive radar radiation, the blockage of our roads, restriction of drainage, communications interference, and the restriction of air rights; and,

WHEREAS, economically, we are concerned that our land could be condemned, forcing farmers to sell out during a depressed period, which sale would result in a loss of tax revenue; and we question if the economic advantages for our local businesses and job opportunities would be justified, considering the burden to our township and that the construction crews would have their own employees, with housing being built at the proposed site, which site could become obsolete in the near future.

NOW, THEREFORE, BE IT RESOLVED: That we strongly oppose an Air Force Radar Transmitter Station within the Township of Tara and we prohibit the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development.

TARA TOWNSHIP 19c

April 16, 1988

# RESOLUTION

At a special township meeting of the Township of Dollymount held on April 16, 1988, the following Resolution was presented and adopted:

WHEREAS, a radar transmitter station in Dollymount Township consisting of approximately 4000 acres would result in a loss of several farm families and 20% of our township's agricultural land; and,

WHEREAS, environmentally we are very concerned about being a military target, living near excessive radar radiation, the blockage of our roads, restriction of drainage, communications interference, and the restriction of air rights; and,

WHEREAS, economically, we are concerned that our land could be condemned, forcing farmers to sell out during a depressed period, which sale would result in a loss of tax revenue; and we question if the economic advantages for our local businesses and job opportunities would be justified, considering the burden to our township and that the construction crews would have their own employees, with housing being built at the proposed site, which site could become obsolete in the near future.

NOW, THEREFORE, BE IT RESOLVED: That we strongly oppose an Air Force Radar Transmitter Station within the Township of Dollymount, and we prohibit the destruction of agricultural land for any reason other than roads, ditches, residential or agricultural development.

DOLLYMOUNT TOWNSHIP

17c

May 19, 1988

# RESOLUTION

At a special township meeting of the Township of Leonardsville, County of Traverse, the following resolution was presented and adopted.

WHEREAS, a radar site in Leonardsville Township of Traverse County, Minnesota would result in a loss of farm families and agricultural land; and

WHEREAS, environmentally we find great concern with health hazards to humans, wildlife, livestock and possible soil and water contamination from radiation, and possibly chemicals, restriction of drainage, communication interference, and the restriction of air rights; and

WHEREAS, we are concerned with the economical impact of the land used by the site, plus the lower land evaluation on the surrounding area of land, and possible loss of revenue.

NOW, THEREFORE, BE IT RESOLVED: That we strongly oppose an Air Force Defense Radar System within the Township of Leonardsville and we prohibit the destruction of agricultural land for this purpose.

LEONARDSVILLE TOWNSHIP

22c

TOWNSHIP RESOLUTIONS OPPOSING OTH-B RADAR
PAGE 4 of 4

4-282

RECEIVED
28 OCT 86

10-23-86

Lt. V. G. Brown
ESD/SCO
Hanscom Air Force Base
Mass. 01731

Dear Lt. Brown:

Hereby, I wish to express our profound disapproval of a radar station contemplated for this vicinity. My husband feels it were better to place it where land is not so productive.

I was informed this morning that Sen. Boschwitz sent his aid out to Wheaton, and they questioned only one side of a street and the people in a nursing home regarding whether they wanted a radar station here. I am told that they concluded that half the people were for it, and half against. Needless to say, that was not a fair sampling of opinion. The farmers are more involved and should be consulted. They are all deadly against it.

My mother's father worked under Lincoln in the Civil War, and I am wondering when we will truly have government "OF, FOR AND BY THE PEOPLE"? It seems so undemocratic to force something down people's throats that they do NOT WANT! If that is what the government intends to do, one loses all confidence in our government.

I spoke with a Mrs. Vere Vollmers this a.m. north of Wheaton. She said they have a power line running along their place, and a pipeline of dangerous chemicals a few miles away, and the last thing she wants is the proposed radar station. If the pipeline explodes, it is deadly dangerous.

Local people have even expressed their concern to our Governor, and yet we are not assured that the radar station will not be forced upon us. I am reminded of "TAXATION WITHOUT REPRESENTATION",!!!

I hereby beg you to listen to the opposing voices of the people." Just powers derive from the CONSENT OF THE GOVERNED! "

Yours sincerely,

Caroline E. Brink

Caroline E. Brink

Caroline E. Brink
Box 60
Dumont, MN 56236

CAROLINE E. BRINK, M.A.
International Missionary

"Seek Peace and Pursue it."
Psalm 34:15

Box 60
Dumont, Minnesota 56236
(612) 563-4014

# THE RADAR DOES AFFECT YOU !!!!

LOSS OF AGRICULTURAL LAND, FAMILY FARMS, TAX REVENUE, A WAY OF LIFE AND COUNTY UNITY.

RADIATION HEALTH HAZARDS: BIRTH DEFECTS, CANCER AND NERVOUS DISORDERS.

PRIME TARGET FOR ENEMY AERIAL ATTACK.

REROUTING AND RESTRICTING OF WATERFLOW INCREASES POTENTIAL FOR MORE TRI-COUNTY FLOODING.

WASTE OF TAX MONEY FOR AN ALREADY TECHNOLOGICALLY OUTDATED DEVICE.

JOBS FOR THE HIGHLY TECHNICALLY TRAINED, ONLY.

CLOSED AND REROUTED COUNTY ROADS.

LOCAL T.V., RADIO, SATELLITE AND 2-WAY RADIO INTERFERENCES.

DESTRUCTION OF WILDLIFE HABITAT — LEADING TO MOVEMENT AND POSSIBLE EXTINCTION.

COME AND SAY "NO" TO THE RADAR SITE IN TRAVERSE COUNTY!

## PUBLIC HEARING

## SEPTEMBER 10 — 7:00 P.M.

## WHEATON HIGH SCHOOL

4-283

PH[illegible] M. PETTERSON
1405 Broadway
WHEATON, MN 56296

RECEIVED
28 OCT 86

10-22-86

Lt. J.B. Brown:

Subject: OTH-B Radar, Wheaton, Mn.

After driving from the Twin Lakes to Wheaton it seems to me that a better place for a Radar place cannot be found. There are very few farmsteads. Most of the farmsteads are vacated 7 months a year as the occupents go south for the winter.

Very few people that I meet at the coffee shops & saloons are opposed to a radar base.

In my opinion it seems that the silent majority are sitting back and saying nothing. If a vote would be taken the majority would favor a radar base.

There seems to be three noisy families causing all the static.

The opposition forces, seem to focus on the environmental problems. These same people, drained every pot hole, bull dozed shrubs & trees and farmsteads, and left nothing for wildlife.

A few of the opposition forces are professional protesters from the Viet Nam era, and created havoc at your meetings.

A petition was circulated, with a threat of boycot if you refused to sign. I did not sign.

Now lets build a radar base.

Sincerly
Dwight Petterson

4-284

RECEIVED
RDX OCT 86

27 Sept. 86

I, Leon Delbert Berger, a current landowner in Redpath Township, Traverse County, of the State of Minnesota, would like to go on public record as strongly opposing the Air Force building an Over the Horizon, Backscatter, (OTH-B) Radar Base on the Wheaton North Site, or any other Traverse County, Minnesota, sites.

Sincerly
Leon Delbert Berger
Leon Delbert Berger

October 24, 1986

G1, G2, G3, G5, G6, G8, G9

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Re: OTH-B Central Radar System-TRANSHIT

Dear Mr. Brown:

Originally I was to write my written statement based on the facts, except I have been told time and again by U. S. Air Force personnel and other people that I "do not have the facts." Therefore, I must in turn insist that the Air Force give the facts, and this time put all the facts in writing.

I am writing this statement out of my total frustration. I find the way the United States Air Force has handled this entire Environmental Process is an insult to the intelligence of every citizen of this GREAT COUNTRY. What has been most frustrating has been how patronizing the Air Force has been to the people of Phenton, the people of Traverse County, and in other words, your EQUALS, UNITED STATES CITIZENS.

The decisions you make will affect people. It will not affect numbers, statistics, or dots on a map. Your decisions will directly affect United States Citizens! After the meeting called by Air Force personnel, a "redundant" public hearing, I realize how naive we, as United States citizens, have become. It is now clear to me why there are so many countries in this world which hate America, when our own Air Force treats its own citizens with such lack of respect!!!!

My frustration began at the meeting which concerned citizens of Traverse County had with Col. Lee the afternoon of June 12th, 1986. When I would bring up specific questions or concerns Col. Lee either said he would get back with the answer (which he never has), or that the criteria had changed for the Central Radar System. That is strange! The Central Radar System is the same as the East and West Coast Systems, only OTHB IS 25% LARGER AND OUR AREA IS MUCH MORE DENSELY POPULATED.

On the evening of June 12th Col. Lee stated to more than 300 people the public hearing was ours, it would be our chance to address the U. S. Air Force with our



concerns and questions, and that we would all stay until 'the wee hours of the morning if need be' for all to be heard. WE BELIEVED HIM! Now I realize you may say that Col. Lee had no control over the public hearings, only the Hearing Judge, Lt. Col. Clarke, had that authority. However, I believe that Col. Lee did have knowledge of the hearing format before he arrived at the first public hearing in Grand Forks on Sept. 9th. Concerned citizens of Traverse County tried repeatedly, but were unable to reach Col. Lee by telephone for weeks to obtain the format for the public hearings. Why, during this same period of time did the Fargo Forum have no trouble obtaining quotes from Col. Lee?

On June 12th Col. Lee also addressed our concern regarding the Air Exclusion Zone in regard to aerial crop spraying of the land adjacent to the exclusion fence. Col. Lee stated that the Air Force would "shut down" the complete system when we would have to spray our fields. However, Col. Lee did not address this specific issue at our public hearing in September. WHY?????

In June Col. Lee, on behalf of the U. S. Air Force, stated that there would be 'ample copies' of the Draft Environmental Impact Statement available so all who wanted a copy of the impact statement could have one. WE BELIEVED COL. LEE. On July 21st I called Col. Lee as I had received numerous inquiries from individuals stressing how important it was that they receive a copy of the Draft EIS as soon as they were available. On that date Col. Lee stated, "Don't worry," I " was on the direct mailing list," and we both laughed. I then again specified that I was not concerned for myself but many others had been in contact with me and they wanted to make sure that they could get a copy of the Draft EIS as soon as it came out. On that date Col. Lee stated that if anyone had sent him a letter they would be receiving a copy of the Draft EIS. I, and they, again went on his word. On August 18th I received my copy of the impact statement. On August 19th I found there were not ample copies available as had been promised (rather one at the city hall and one

at the library, neither of which could be checked out). That same date I found out that those who had sent letters had not received copies as they had been promised in July. I then called Lt. Brown on August 20th (at 8:25 A.M.) and I stated that I could easily find a home for a hundred copies in a day if I had them. She then agreed to box twenty copies up that day and send them. I called Lt. Brown on August 22nd to confirm that she had sent the copies as she had promised. At that time she said no, she had not sent them out, and she had been too busy to get back to me. I asked her why she would not send them out to me, and these were her reasons why:

1. Since I am an individual without a title I was not what her Air Force superiors deemed a 'credible' person to receive twenty copies;
2. It was important that the names and addresses of each individual who received a copy of the Draft Impact Statement were recorded so the same individuals would receive a copy of the Final Environmental Impact Statement. How did the Air Force know I would do that?
3. How did the Air Force know that I would distribute the twenty copies to different individuals?
4. The Air Force did not expect such a demand for a Draft Environmental Impact statement, and they had run out of all their copies.
5. And, afterall, the Air Force did not have to give all the individuals who requested a copy of the impact statement one anyway.

I, at that point was thoroughly frustrated. In fact I was so angry that I hung up on Lt. Brown, something I have never done before! I was frustrated when she told me that another individual from our community had received twenty copies, but that was because he had a title. I also pointed out to her that I was perfectly able to take down names and addresses of those who received copies. I told her that common sense should tell the Air Force superiors that I would give each copy to different individuals, and that I did not plan on burning them. I told her that the Air Force should have been prepared for the demand of the impact statement because Col. Lee told me in July that all that wrote letters would be receiving copies. And last, but not least, all the people who requested a copy of the Draft EIS should be able to receive one, but especially the people who live in the rural areas who would be most directly affected by this radar system.

At our public hearing on September 10th, 1986, Col. Lee was asked of the health





concerns because the Draft Environmental Impact Statement repeatedly stated there is "no significant evidence known." He was asked if the Air Force would consider a health study for those in the future. Col. Lee stated that that would not be necessary as the Air Force has testing going back to 1980 and there was no evidence to further address the long term effects. I really hope Col. Lee did not think we all naively believed him that six years would be a long-term study. But what most the people did not know was that the east coast system was completely dismantled after the testing and was rebuilt with changes. In fact the east coast system which Col. Lee was referring to has not been completely operational for the entire six years as he implied. So, therefore, how can this 'long-term study' be so accurate as Col. Lee stated???

After the public hearing I was SHOCKED to hear an official of the UNITED STATES AIR FORCE state that he felt it was not necessary for our hearing to have gone on any longer, AS "IT WAS GETTING REDUNDANT ANYWAY!" Did the Air Force not know that the people who spoke, spoke FROM THEIR HEART! Many of the people who spoke that night had never given a speech before. They are not professional speakers, nor do they pretend to be! THE AIR FORCE SAID THAT WHAT THEY HAD TO SAY WAS REDUNDANT!!!!!!!!! I THOROUGHLY DISAGREE!!!!!!!!



# *Not every nation allows you to speak your piece*

We in the United States are among the worlds' freest people—allowed to say what's on our minds.

*It's no accident.*

Our precious Constitution and Bill of Rights were drafted by people who had escaped repression and wanted to prevent it in this new nation.

*Think about it.*

*Hear about it.*

*Speak about it.*

**FREEDOM OF SPEECH IS EVERYBODY'S FREEDOM**

*Celebrate* our Constitution and Bill of Rights—it's almost 200 years old!

A MESSAGE FROM THIS NEWSPAPER AND THE MINNESOTA NEWSPAPER ASSOCIATION—ALMOST 400 PUBLICATIONS WORKING TO KEEP YOU INFORMED IN THIS DEMOCRACY. ©1986

4-287



I DO NOT UNDERSTAND AND THOROUGHLY OBJECT TO THE TREATMENT WE, THE UNITED STATES CITIZENS HAVE RECEIVED FROM THE UNITED STATES AIR FORCE!!!!

I therefore request, and expect, that the U. S. Air Force answer the following questions:

1. When was the Draft Environmental Impact Statement actually written? Year and month? (Written, not printed.) 151
2. When was the first time the Air Force decided there were three site areas in Traverse County? Year and month? Why were we told in June by Col. Lee that he knew of no specific areas, and yet he at that time mentioned Honson Township? 152
3. How can you state that the Draft EIS was an in-depth study of the area when you did not know the powerline existed in Wheaton N until I told the Air Force? 153
4. Will you please explain in detail why the site areas are the specific shapes they are and what is the criteria which makes them that shape? 154
5. In the Minneapolis Tribune article, dated September 28th, 1986, the enclosed explanation of the "CRS transmit site", Source, U. S. Air Force, states the antenna would be "5,000 to 9,000 feet long." We have always been told it will be 5,000 feet long. Is there plans for expansion by the United States Air Force? Why have you never used that 9,000' figure before? 155
6. Why was the Air Exclusion Zone not addressed at our public hearing when Col. Lee knew it was a concern of ours? How will it affect aerial crop spraying? 156
7. Why was remoteness not addressed in the Central Draft EIS, when it is so important for the East and West Coast Systems, because you "use a lot of power" and it must be "located away from populated areas," when, in fact, our system is the same, only larger and more densely populated? 157
8. Why, when it is stated in the West Coast EIS, that it is so important to have ground conductivity test done to see how far out the exclusion fence must be, is that not mentioned in our EIS? Have ground conductivity test been taken? 158
9. Why is there only a minimum of 2,400 acres stated in the EIS? 159
10. When the rerouting of water affects the adjacent landowners in future years how do you plan to deal with it? 160
11. Col. Lee stated in May when on the phone with me that if people were experiencing problems with their television reception, the Air Force would handle the problem by raising or lowering their TV antenna. Explain in detail how you plan to do this! 161
12. Why does the U. S. Air Force completely discredit the findings of the Government Accounting Office? 162

13. Would you swear on a Bible in a Court of Law that you would live on the other side of the exclusion fence? Would you please sign that for me? Would you swear that there would never be any health affect on yourself or your children if you lived there a lifetime? Does the Air Force believe that six years is a long term health study?

202

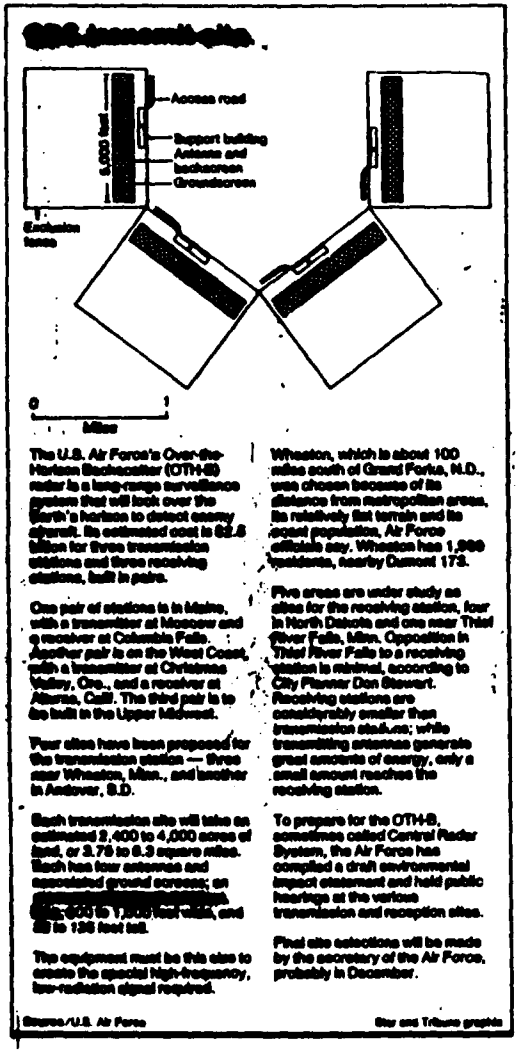
Sincerely,

Harcie J. Conroy
Route 2 - Box 2
Wheaton, MN 56296

Enc (2)

cc: Senator Rudy Boschwitz
cc: Senator Dave Durenberger
cc: Congressman Vin Weber
cc: Congressman Arlan Stangeland
cc: Govenor Rudy Purpich

P.S. I am sending this letter to the U. S. Air Force SPECIAL DELIVERY because apparently the Air Force is not timely signing for their CERTIFIED LETTERS. For example, I sent a letter on September 18th, 1986, Certified, Return receipt requested and the Air Force did not sign for it until September 29th, eleven days later. On September 29th I sent another letter Certified, Return Receipt Requested, and this time the Air Force got around to picking up their letter on OCTOBER 15th, SEVENTEEN (17) DAYS AFTER IT WAS MAILED. WHY? I find it extremely interesting in lieu of the written comment deadline.




The U.S. Air Force's Over-the-Horizon Backscatter (OTH-B) radar is a long-range surveillance system that will look over the Earth's horizon to detect enemy aircraft. Its estimated cost is $2.8 billion for three transmission stations and three receiving stations, built in pairs.

One pair of stations is in Maine, with a transmitter at Moscow and a receiver at Columbia Falls. Another pair is on the West Coast, with a transmitter at Christmas Valley, Ore., and a receiver at Alturas, Calif. The third pair is to be built in the Upper Midwest.

Four sites have been proposed for the transmission station — three near Wheaton, Minn., and another in Andover, S.D.

Each transmission site will take an estimated 2,400 to 4,000 acres of land, or 3.75 to 6.3 square miles. Each has four antennas and associated ground screens; an [illegible] 1,200 to 1,500 feet wide, and 85 to 135 feet tall.

The equipment must be this size to create the special high-frequency, low-radiation signal required.

Wheaton, which is about 100 miles south of Grand Forks, N.D., was chosen because of its distance from metropolitan areas, its relatively flat terrain and its scant population, Air Force officials say. Wheaton has 1,999 residents, nearby Dumont 173.

Five areas are under study as sites for the receiving station, four in North Dakota and one near Thief River Falls, Minn. Opposition in Thief River Falls to a receiving station is minimal, according to City Planner Don Stewart. Receiving stations are considerably smaller than transmission stations; while transmitting antennas generate great amounts of energy, only a small amount reaches the receiving station.

To prepare for the OTH-B, sometimes called Central Radar System, the Air Force has compiled a draft environmental impact statement and held public hearings at the various transmission and reception sites.

Final site selections will be made by the secretary of the Air Force, probably in December.

Source/U.S. Air Force — Star and Tribune graphic

RECEIVED
Oct 28 1986

Oct. 23, 1986

Lt. U. S. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Mr. Brown

We are residents and farmers of Traverse Co. and have been all our lives, and we strongly oppose the sites in Traverse Co. which are being considered for the OTH-B radar system

Sincerely,
Art Fridgen • family
Libby Johnson • family



RECEIVED
28 OCT 86

Dear Sir,

We a resident of Traverse Co, Minn I want you to know we are opposed to the Radar sites we feel it is a health hazard.

sincerely,
Mr. & Mrs Walter Fridden
Wheaton, Minn. 56296

RECEIVED
OCT 28 1986

October 22, 1986

G3

Lt. Brown,

We are residents of Traverse County, Minnesota. We are opposed to the proposed Radar Site for this area.

Surely there is less populated, less productive land available to the Air Force sor a Radar S.te.

We are opposed to moving people from their homes and livelyhoods of generations. Are we not at least as much a consideration as the wildlife.

Sincerely,

LeRoy & Shirley Reckner
Rte 1 Box 18
Norcross, MN 56274
Ph. 612-284-2264

4-290

RECEIVED
OCT 28 1986

Dumont, Minn.
Oct. 22, 1986

Lt. D. L. Brown,

We are against the Proposed Radar base in Traverse Co.

They have not answered all the questions asked them & that's bothering us.

Truly yours,
Cletus & Marie Kroll

October 15, 1986

Lt. V.G. Brown
ESD/SCO
Hanscom AFB, MA 01731

G7, G8, G9

Lt. Brown:

Following is the statement that I had prepared to read at the meeting in Wheaton, Minnesota on September 10, 1986.

My name is Margaret Ringger. My husband Robert, son Dan and daughter Dana, live in Section 34 of Dollymount Township, Traverse County, Minnesota. Five of the six quarters of land that we farm are included in the Wheaton SE proposed transmitter sight. These five quarters of land are located in Dollymount and Leonardsville townships. We have farmed this land for over twenty years, and my husbands father farmed much of this land for the twenty years preceding that. I am here tonight to state that our family is opposed to the construction of the Over the Horizon Back-scatter Radar sight in Traverse County.

Our family has a very heartfelt concern about our farmland and farm home. We have farmed this land, made improvements and added necessary farm buildings over the years, and are proud to be "keepers of the land" and part of the occupation that the World Book Encyclopedia defines as the most important occupation in the world. Farming is much more than a way of life at this time; it is a business of finance, marketing, and accounting. Even though the farm economy is now in a seriously depressed state, I believe strongly that most farmers here tonight, as well as their entire families, would like to retain the opportunity to make their own decisions about how to handle the current problems they are faced with at this time. The thought that our farm sight and adjoining farmland could be bulldozed and demolished for the construction of a radar sight is definitely disheartening and difficult to face.

I realize that these opinions and concerns do not effect everyone here tonight, but there are also many other areas that the construction of this proposed radar sight would have an impact on, such as Television, radio, and CB reception, radiations effects on humans, effects on wildlife, roads being blocked off, to mention a few, that other concerned individuals have or will be presenting here tonight.

(continued)

I am very grateful that I live in this great democracy, the United States of America, that assures us the right of freedom of speech and of the press. It is important that we as citizens use these freedoms in a peaceful manner with respect for the right of everyone to present their concerns and opinions. I thank the Air Force for the opportunity we citizens of these three proposed radar sights have been given to present our statements. I sincerely hope you will listen to our wishes and give them you serious attention. Thank You.

Sincerely,

Margaret M. Ringger

Margaret M. Ringger (Mrs. Robert)
RR 1 Box 50
Dumont, Mn 56236

RECEIVED 16 OCT 86

Oct. 16, 1986 G3

To Involved Air Force Officials:

Please take your proposed OTH-B radar system and put it somewhere else? Our Wheaton area is prime, top-producing cropland and is densely populated with people who want to stay here. Your base would disrupt so many lives here – put it in a less-populated area, where it would affect fewer lives and attract far less undesired negative publicity – because we will continue to tell you and whoever else we need to tell that we do not want that system here!

Linda Poole
Wheaton, MN

4-292

RECEIVED 30 OCT 86

G3, G8

Wheaton, Minn.
Oct 23. 1986

Dear Lt. V. B. Brown
Wainwright A.F.B.

I am writing You in regard to the backscatter radar system; I imagine I will be telling You what every One else has said so far - We do not want this radar, As it will take so much good land out of production; Also many farm Friends off of the land which they Rent. - Also the big unanswered question about the radar affecting our Health.

As you know life is precious; As is Health. Also our livelyhood and our land

Could it be possible; If this is needed to put it where there are not so many people to displace and where the land is not as productive. Illinois not Traverse County.

A Farmers Wife
Margaret Schneider

RECEIVED
NOV 1 1968

Rt 1 Box 48
Tekamah, Neb
Oct 24, 1968

G8

H V H Brown:

I am a concerned citizen of Thurston Co, Nebraska, with interests in both the Tekamah North district and the Tekamah Southwest districts.

I am formally protesting against any construction of the CH/H Burt-Scribner System. I believe that there are many harmful effects of radiation that would be given off and it would be too late after you would build it.

Thank you

Ray W. Ellis

4-293

RECEIVED
NOV 30 1968

Dear Sirs:

I am writing to let you know personally of my opposition to the proposed radar base in Thurston County, Neb. I was born and raised here and am in the process of raising my own family here. We chose this as our home and plans to stay.

Sincerely,
Mrs Edward Boyle
RR 2 Box 20 B
Bracewile, Neb
56340

RECEIVED
30 OCT 82

G3

Wheaton Minn
Oct. 24, 1982

Dear Lt. Brown.

I am writing you to voice my opposition to the Backscatter Radar system that is planned by the Air Force in the Wheaton, Mn. area. We have so much good farmland that may be needed desperately in the future to produce food for our nation. I know we need defense for our nation also but I strongly feel this system could be built in a more sparely populated area using land that is good for nothing more than pasture.

Yours Truly
Wilbert Schneider
Wheaton, Mn. 56296

Lt. Vg Brown

RECEIVED
30 Oct 82

Re to Radar Site en traveen

Clara Beyer
Wheaton Minn
RT=1=130N160

4-294

RECEIVED
30 OCT 86

October 24, 1986
Wheaton, Mn. 56296

Lt V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Sir:

I oppose the Over-the-Horizon Backscatter Radar site in Traverse County.

Sincerely,
Roy Peterson
Rt2 Box 56
Wheaton, Mn. 56296



RECEIVED
30 OCT 86

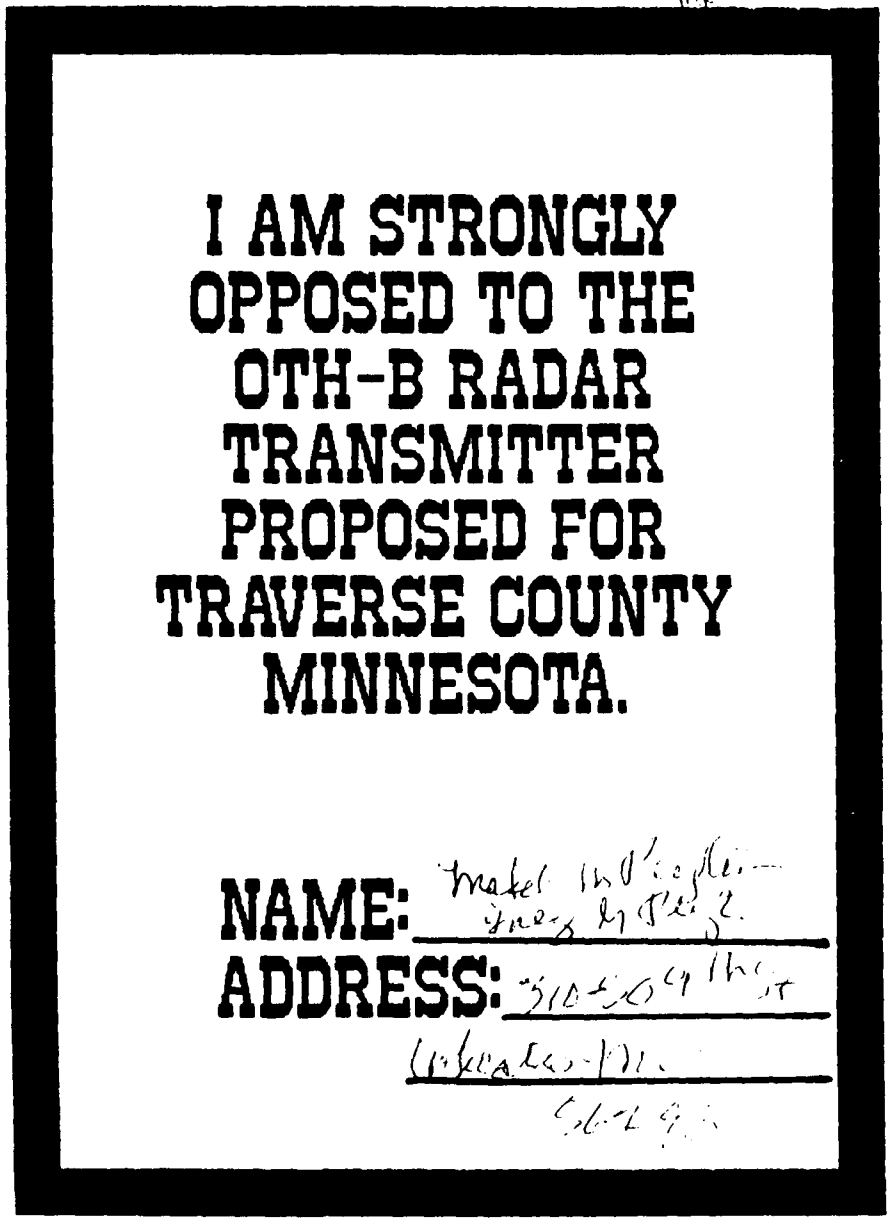
Ellen Cotone
2675 Snelling Ave
St Paul, MN 55104
October 27, 1986

Lt V. G. Brown
ESD/SCO
Hanscom, AFB, MA 01731

Dear Sir

I wish to express my concern over the possibility of building the Horizon Backscatter radar transmitter in Traverse County, MN. I think it is deplorable that family farms would be demolished for the sake of this type of military activity.

Sincerely,
Ellen Cotone




4-296

Copies of this form were also submitted by the individuals listed below. Remarks written on the form have been typed as well.

Glenn & Carol Holtz, Wheaton, MN

Mr. & Mrs. William Peyton, Dumont, MN

Mr. & Mrs. Michael Peyton, Wheaton, MN

Mr. & Mrs. Tom Peyton, Dumont, MN

Mr. & Mrs. Gerald Thiel, Dumont, MN

Mrs. Vernon Schmitz, Beardsley, MN

Mr. & Mrs. Bob Thiel, Dumont, MN

Phyllis Bauer, Dumont, MN

Mr. & Mrs. Walter Armbrust, Wheaton, MN

Walter Nosek, Wahpeton, ND

> I was Superintendent of Schools in Wheaton (Traverse Co.) for 15 years. Also have young farmer sons in a proposed site area. Believe there are suitable sites outside of Traverse County without disadvantages to affected residents.

Lenora Behrens, Wheaton, MN

> It definitely would be a terrible hardship for the many farmers involved and a terrible health hazard to people for miles around the base. I feel this is in humane.

Roland Bauer, Dumont, MN

Mr. & Mrs. Rodney Thiel, Dumont, MN

Robert & Lois Schmits, Beardsley, MN

We are young people who have worked hard to get the land we have and built our own home on it and have a three-year-old son we would like to think could grow up here and live comfortably too without the worry of a radar transmitter in the backyard. I am sure you've heard every argument possible against this, but you put yourself in our position and think how you would feel!!

Orville & Ruth Thiel, Wheaton, MN

Maureen Cuen, Guilford, CT

Kenneth & Eunice Schmits, Wheaton, MN

Paul, Joyce, Tom, and Mike Kodeg (?), Beardsley, MN

Francis Hord, Wheaton, MN

Mr. & Mrs. Daryl Leininger, Wheaton, MN

4-297

Oct 24 '86

Edward Aldridge, Jr.
Sec. of Air Force
The Pentagon
Washington DC 20330

Dear Sir:

Be it known that I am strongly opposed to the OTH-B radar transmitter proposed for Traverse County, in Minnesota.

Eunice Schmits
RR 1 Box 67
W Easton, Minn 56296

Oct. 26, 1986

Dear Sir:

I am a farmer in the Wheaton North area, Section #14, Taylor twp., Traverse Co, Mn. I am very ~~opposed~~ to the radar OTH-B system. I feel it is a waste of money in these trying times of a farmer.

There remains many unanswered questions. And, those you have answered were done in a very vague matter.

I have 4 children and enjoy the lifestyle we live and want to maintain it. After all, what could be more wholesome than being a farmer. I love my work and want it to continue.

I feel the same way the others, that had a chance to voice their opinions & feelings at the public hearing do. We do not want it in our area!

Sincerely,

Larry Ragan
RR1 Box 147
Tenney, Mn.
56582

4-298

Oct 27-86

NOV 03 1986

Lt. V.G. Brown
Hanscom AFB Ma 01731
Sir:

I don't think it is a good thing to take our good land away from the young farmers and older ones. It will destroy our roads schools & people and everything that is good. Health of our people also

Mr & Mrs Clarence Gullickson
Box 56
Tintah Minn 56583

G6, G7, G8

4-299

G2, G3, G8

NOV 03 1986

Lt. V.G. Brown
Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, Ma 01731

Dear Lt. Brown,

We felt we needed to write and let you know that there are a few people in Traverse County who are not totally against having an radar site placed in our community. There are concerns, however, safety and the treatment of farmers involved, but we do know that there is an area in the southeastern section of the northern site that would not displace any farmers from their homes. There still remains the problem of loss of land and hence livelihood on the part of these farmers.

We believe that there are others like us who are for this radar site in our county, but do have reservations as to the safety and a concern as to whether this system will be obsolete before its completion.

Sincerely,

Richard & Charlotte Davison

Richard and Charlotte Davison
Tintah, Mn. 56583

G2, G8, G9

RECEIVED
NOV 03 1988

I farm in Grant county and am opposed to the construction of the OTH-B radar transmitter in Traverse county, Minn.

From what I learned it is questionable if this is actually needed this round.

Other problems interference of radio, and TV signals, radio frequency radiation.

Dean Jilot
Norcross Minn.



RECEIVED
NOV 03 1988

I am strongly opposed to the OTH-B radar transmitter proposed for traverse county Minnesota

Mr & Mrs Joseph Dietz Jr.
Dumont
Rt 1 Box 38 Minn
56236

October 27, 1986

Lt. V. L. Brown
ESD/SCO
Hanscom Air Force Base, Mass 01731

NOV 03 1986

Dear Lt. Brown:

I own land in the southwestern part of Traverse County in which the one site for the radar system lies. Please consider my letter as one in opposition of the site being there.

My sons were raised on that land and are now farming it. They have young families and have built a new home there. I sincerely want them and my grandchildren to have the opportunity for the good life I enjoyed on that land.

Sincerely,
Norma Plaseck
602 16th Ave N.
Wahpeton, N.D. 58075

4-301

NOV 03 1986

Lt. V. L. Brown
ESD/SCO
Hanscom AFB, MA 01731

I oppose the Over-the-Horizon backscatter radar site in Traverse County

Sincerely
Florence Freeman
Rt 2 Box 26
Wheaton, Mn 56296

RECEIVED
NOV 0 3 1988

Lt. V.A. Brown

We do not need or want the O.T.H.-B Radar station in our area. — (Please give this your Consideration - Thank you —

Melva Steiler
Box 29 - RR —
Wheaton, MN
56296

RECEIVED
NOV 0 3 1988

Lt. V.A. Brown

This is to inform you that I am very much opposed to the proposed Radar Site that is being considered for our area in Traverse Co. Minn. I beg of you to use your influence to represent the wishes of the people directly affected.

Sincerely,
Mabel Winter
R.R.2 Box 29
Wheaton Mn. 56296

RECEIVED
NOV 03 1986

G8

Lt. V. L. Brown,

I am strongly opposed to the Over-the-Horizon radar site in our area, mainly because of health hazards.

Sincerely,

Irene Rogness
R.R. 2 - Box 26
Wheaton, Mn. 56296

10-24-86

RECEIVED
NOV 03 1986

Dear Lt. V. G. Brown,

I'm writing this to let you know I strongly oppose the building of the Over-the Horizon Radar Base.

Sincerely,

Sharon A. Finke

RECEIVED
NOV 03 1988

Wheaton, Mn

Lt V.G. Brown,

I oppose the Over the-Horizon backscatter Radar site in Traverse County.

Sincerely

Allen W Peterson
Rt 2 box 70
Wheaton Mn 56296

4-304

G6

Lt. V. G. Brown

RECEIVED
NOV 03 1988

I oppose the over the Horizon Backscatter radar site in Trav. Co.
not only for the land it takes but for the devaluation of surrounding property.

Sincerely

Gordon W. Anderson
R. 2 Box 64
Wheaton Minn. [redacted]
56296

Lt. V. G Brown

Say "Hello to the Radar sight
in Traverse County

RECEIVED
NOV 03 1986

Sincerely yours
Walter C Johnson
R2-Box 32 Wheaton Minn 56296

4-305

Wheaton Mn 56296
Oct 24 - 1986

Lt. V. G Brown

RECEIVED
NOV 03 1986

- I opposite the over-the horizon
backscatter radar site in Traverse
County

Sincerely
Mrs. Fritz Johnson
Rt 2 Box 31
Wheaton Mn. 56296

L. T. U. S. Brown

RECEIVED
NOV 03 1986

I oppose the Radio site in Traverse County

Sincerely
Mrs Nellie Peterman
R 3 Box 43
Wheaton Minn 56296

4-306

Lt V. S. Brown

RECEIVED
NOV 03 1986

I oppose the Norjan Radio Station radar site in Traverse Co. Minn.

Sincerely
Norman Magnuson
RR2 Box 35
Wheaton Minn 56296

October, 24 1988

RECEIVED
NOV 03 1988

Lt. V. G. Brown,

I oppose the Over -The -Horizon Backscatter radar site in Traverse County.

Beverly Helk
RR 2 - Box 52
Wheaton MN 56296

4-307

Lt V. G. Brown

RECEIVED
NOV 03 1988

I say no to the Radar site in Traverse County Minnesota

I oppose the Over-the-Horizon backscatter radar site in Traverse county

Sincerely
Jan Helk
RR #2 Box 40
Wheaton Mn 56296

G6

RECEIVED
3 NOV 86

Dear Lt. Brown,

I oppose the over. the Horizon Back-scatter radar site in Traverse County.
I oppose the devaluation of the surrounding land and the added taxes for the rest of the farmers.
May result in a waste dump also

Sincerely
Elsie Anderson
Rt 2 Box 64
Wheaton, Minn 56296

4-308

October, 24 1986

Lt. V. C. Brown,

RECEIVED
3 NOV 86

I oppose th Over -The Horizon Backscatter radar site in Traverse County.

Don Nelk

Rt 2 - Box 52
wheaton mn 56 296

RECEIVED

Oct. 24, 1986

Lt. V. G. Brown,

I oprose the Over- the -horizon backscatter radar site in Traverse County.

Sincerely,

Roger L Johnson

4-309

oct 24 1986

Lt. V. D. Brown

RECEIVED NOV 03 1986

I oppose the over-the-horizon backscatter radar site in Traverse County

Sincerly

Leona Mills

R.R. 2 Box 40

Wheaton.

Minn

Wheaton Minn
Oct 24 1986

RECEIVED
3 Nov 86

Lt V. G. Brown

Dear Sir
I'm opposed to building a radar base at
Wheaton, Minn

Sincerly
Alvin Vallevaus

4-310

RECEIVED
3 Nov 86

Dear Lt. Brown,

I strongly oppose the Over-the-Horizon Backscatter Radar site in Traverse County.

Sincerely,
Nancy Ragusa
RR 2 Box 24
Wheaton, Mn. 56296

R.R. 3 - Box 27 Wadena, Minn. 56482 - 10-24-1986

Lt. V. G. Brown

G2

Dear Sir. You are well aware that citizens of Traverse County Minn. are unhappy at the prospect of the O.T.H.-B Radar. Most are opposed to it, not only in Traverse County but anywhere. To me it is a colder great and unnecessary expenditure of our tax money.

We are trying to ease the arms race and it is time to do so. As former Pres. Eisenhower once said in essence. When the primary concern of a nation is the military that nation will not have much of value.

Yours truly
Lawrence Winter.

U NOV 03 1986

4-311

G4, G8

3NOV86

Lt V. G Brown

I oppose the over-the-horizon backscatter radar site in Minn.

Because of possible health fears + fears of possible nuclear waste dumps in later years.

sincerely
Dennis Klugman

G4 10-25-86

Lt. V.K. Brown
ESD/SCO
Hanscom AFB, MA 01731

3Nov86

Dear Lt. Brown,

I oppose the Over the Horizon Backscatter radar site in Traverse County because of my concern over what this site will be used for after it is decommissioned. I feel that a distinct possibility of a hazardous waste dump site would be proposed for this area since the government will already own the lands. That is the last thing we need.

Sincerely,
Christine Wilcoxson
1605 Broadway
Wheaton, MN 56296

4-312

G2, G4 3Nov86

October 24, 1986

Lt. V.K. Brown,

I am opposed to the OTH-B Radar Site in Traverse County as I feel it is a waste of taxpayers' dollars to erect a system which will be obsolete in the most ten years and I greatly fear what the government will use the land for after the system is out of operation.

Sincerely,
Luann Streed
1009 Second Ave No
Wheaton, Mn. 56296

NOV 2 3 1988

=4 UG Brown

Say "No" to the radar site in Traverse Co Minn.

Sincerely,
Ryan + Johnson
RR#1 Box 160
Wheaton, MN 56296

4-313

Wheaton, Minnesota
Traverse County
Redpath Township Section 7

G5, G7, G8

October 28, 1986

Senator Dave Durenberger
Senator Rudy Boschwitz
Congressman Vin Weber
Congressman Arlan Stangeland

Regarding OTH-B System Site...North of Wheaton

We are located touching the South West diagonal triangle of the proposed site North of Wheaton where it is very flat and the only landmark for miles is the powerline.

Our concerns are national defense, radiation, water and roads but not necessarily in that order. It depends on where the problem appears to be at the moment. And the last two are just as serious as the first two.

We have to assume the need recommendation is valid; just as valid as many of the "majority rule" decisions that come from your efforts. That's the precise reason we do not oppose the OTH-B Site on our doorstep.

We assume the Air Force will work with us around the site in regard to radiation protection...it amazes me how expert various people in the neighborhood are all at once on this subject, yet they do not know anything about radiation from microwaves and electric razors. We are vocal people; I think we will be trying to cooperate and if we have problems, you'll hear about it.

*So lets go with the progress rather than get caught! I choose to live in this* democracy and for all its faults, I see its advantages more strongly than the options offered anyplace else.

I do believe that you can be helpful when the project progresses. Water and roads are the concern.

Because of the low population in this area and many rural people overextending themselves plus some poor soil stewardship makes water and roads a problem. Because the Mustinka river flows under our driveway and 12 mile Creek ends right by our house as it joins Mustinka, we are very much aware of how much more water comes our way in the spring than it did when we came here . And the water has been excessive even during dry years. We desperately need water management through watershed. I believe the OTH system can help force such planning pronto. That will do more to keep "our quality farm land" than what the OTH will take out of production!

Roads out our way are not a county priority, given population etc. OTH should put hard-surfaced roads on our area because we know they will not tolerate the impassible roads we locals have been told to "live with" Sugar beet producers have mutilated most roads in the area because their trucks are more often overweight than legal and they basically never even try to leave their mud in the fields!

Because of all these things, we think we must support the Air Force if and when they locate the OTH-B in our back yard.

Ronald William Brown
RR 2 Box 160
Wheaton MN 56296

G8

Wheaton, Mn.

Oct. 24, 1986

Lt. V.G.Brown,

I am very much opposed to the Air Force Radar Transmitter Station in our area. I want my children and grandchildren to live healthful lives in this supposedly Free country.

Sincerely,

[redacted]

4-314

10/24/86

G8

Lt. Brown

I am opposed to the radar system that is proposed for the Wheaton area due to the multitude of unanswered questions especially in regard to health.

Sincerely
Kathy Ramsey
403 8th St. No
Wheaton, MN
56296

RECEIVED
NOV 03 1986

Oct. 26, 1986

G2

Alan H. Lo[illegible],

This letter is to oppose the OTH-B system slated for Stratton, NY in Oneida County. I strongly oppose this site and hope you consider rejecting it for the better of a community who is strongly opposed to it - except for a very few who have the idea it is the patriotic thing to do. My husband, Army Spc. Wm. Skinner was killed in action in Viet Nam - and that was not the most patriotic way to fight and die in the 4th one at age 26, with three small children (my years + trouble to raise) My whole family, Maternal - paternal have lived in the Rideau Ferry area all their life - and now their land and health are being threatened by this radar.

My father was killed in an auto accident 20 years ago and my mother went to work to pay off some land my dad had bought the year down to us kids. I am the oldest of seven children, seven of whom have been living as home when my dad died. My mom, Marge Trask, has had a difficult life - going to school + working for that land. She has worked ever since she never seen anyone work for her family. Now the very land and house that she has shared each are threatened.

She is a senior citizen now with at this time in life deserves some peace and tranquility. She home that she has slaved over, redecorating + remodeling is a beautiful place to go to grade by the government that we have to face when at a an age when things are supposed to be easier.

Actually all three sites affect myself, my mom + my brothers + land. Side my mom + dad worked so hard for is decry threatened by a radar site that I personally fear upon reading all the data available on it - and have yet need for it at all!

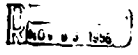
What I would really like I guess is an emotional, personal to you. To ponder how your parents would feel if it were happening to them. Not only my family - but for all the families - young and old back there who feel threatened by this radar. I hope in your heart you will find a solution to this and not consider this site as a site. I beg of you to give this personal thought and reject this site and that have a small wonderful community.

Sincerely,
Pat Skinner
Fort Wm. Camp Rd
Peterboro, NH. 03110

G2, G3, G4, G5, G6, G8

CONCERNING:
OTH-B RADAR

Gentlemen:



As a resident of Traverse Co. and a Farmer near the SouthEast Wheaton TRANSmitter site, my Wife Lois and I stand opposed to the Construction and operation of the project.

We feel that the lack of long term studies on the effects of this type of radiation exposure to humans, is a threat to my family and our Community. Whenever the airforce is questioned on the safety of this project, We are told that the "over the Horizon" is needed for national defense. That is not an answer to this question! I firmly believe that this project will Be outdated before it is completed and will serve as a nuclear waste dump Traverse county seems to fit your description of the Boondocks!

By taking 4000 acres out of production, you might pat your Self on the Back for providing a solution to overproduction of Grain and a niche in national defense. In an era when the deserts are taking over millions of acres in africa and other parts of the world every year, this grain surplus can only be a temporary situation. When you get through restricting and modifying our natural waterways and ditches, thousands of acres adjacent on every side of the





this site will be rendered unproductive and depreciated due to flooding. Aerial spraying will be almost unheard of in this area because of restrictions on Civilian aircraft in the area. In many years, timely applications of herbicides and insecticide have salvaged crops in times of wet weather. I understand no Civilian aircraft are allowed within 10 miles of the transmitter. I Know better than to believe you when you say you might shut down the transmitter from time to time so someone can aerial spray! Our small towns and communities can't withstand any more complications to the area farmers. This temporary splash of money coming in the the community from the construction phase will fade as fast as it came, with the end effect being negative to our County.

This outdated plan Does not Belong in TRAVERSE Co. or anywhere else as productive and populated as We can show we are.

You have yet to Reveal any productive Outcome From The OTH-B RADAR System, either defense wise or Community wise.

Terry & Lois Lutz
Section 24, Leonard Hill Twp.
Traverse Co. SE site

Dear Lt. V.G. Brown,

Reference: For submission to Final EIS/Reference to OTH-B Radar System

From: Brad & Darla Maguse, Resident of Traverse North.

Before the September 10 hearing at the Wheaton High School I hadn't taken much interest with anything pertaining to the radar base coming into this area. After attending the hearing and listening to people opposing the radar base I had to ask myself why do people oppose it.

Most of the things I'm going to state are factual and the truth other wise stated is my opinion. As for your report even as you go to bed tonight you should think about the truth, by taking a look at the peoples situation in the proposed sites and at yours also for your own personal and families needs.

Lets go back when America was first coming about. It was the pilgrims who came over to start a new life. They came over to get away from their country and to be self sufficient, to be independent. Before the industrial revolution 95% of the people had their own business and 5% had jobs. Today that is just the opposite with more and more people looking for a job. A social security statistic states that of the american people 1% are wealthy, 1% well off (just making it), 5% retired, but working, 30% dead before age 65 and 57% are broke, living on social security or some other form of welfare. Most of this is because of a job and stress. In my opinion a job doesn't cut it in the free enterprise system. That is what America was built on FREE ENTERPRISE. 1/10 of 1% of the millionaires worked for someone else, 97% of the people in a job situation will never get a four hundred dollar raise in their life. The sad thing about that is the schools teach to go get a job. Out in this area of farm land the majority of people are part of the free enterprise system. But when you ask a farmer what price he received for his crop or livestock chances are that the government had something to reflect on the price. I have to ask you is that free enterprise? The govenment has tainted the free enterprise and when it comes to taking land away it takes away free enterprise. In my opinion the greatest president was Abraham Lincoln, why?, because he freed the slaves. They were freed from being forced to work for another man and thats working for the government. It seems to me that the more my checks handed out the more it leads to communism and decision making up to the government and not the people of this great nation.

Getting right down to talking about this community and the pair b ne things can be classified as positive and negative without going into detail. The positvie things you say will happen will never come about. The negative things you say will not happen will. It's as simple as that. Yes my wife and I oppose the radar base along with the majority of the people in this area. Why?, I think being an american and part of the FREE ENTERPRISE system is bread enough of an answer.

Sincerely yours,

NOV 0 3 1986

4-317

G3, G4, G6, G8, G9

RECEIVED NOV 0 3 1986

10/28/86

I am opposed to the location of the OTH-B Radar Transmitter site in southeast Traverse County, for the reasons following:

First of all, the loss of prime agricultural land and local wetland areas being considered for such a site, I feel is undesirable to this area. I feel the radar transmitter site should be located in a more unproductive area.

Secondly, there is the issue of possible ill-effects of any type of radiation emitted from this radar base site. I don't feel the matter has been throughly researched by the Air Force; the only response to this issue was by Public Relations Personnel of the Air Force telling us that there shouldn't be any ill-effects but no guarantee could be given. There have been other occurrences that the government and military thought shouldn't cause any problems and did end up being very harmful to those involved. Is this your back door approach to getting your waste disposal sites into our area? So until very clear answers are presented, I stand opposed to the Southeast site being considered in this area.

Next, there is the issue of the loss of tax base to the townships involved. I feel this should be one of the concerns of the people in these areas. The importance of an issue such as this was intensely brought to my attention by some very concerned county officials. It was explained to me how the loss of tax base on even a small parcel of land could jeopardize a whole school district and township government. So a loss of tax base proposed on such a large project could, therefore, have a very detrimental effect on the local school districts and the townships as a whole. This could undoubtedly cause a larger

tax burden on everyone in the townships involved; especially farmers who already carry the biggest tax load. So, therefore I again oppose the site in the area for this reason also.

Another area of concern is possible interference in the use of two-way radios which are a great asset and efficient tool not only to farming operations but also our local hospitals and our recent access to larger community air ambulances services, fire departments, law enforcement service, aerial crop sprayers and private individuals.

Finally, as one of the MANY young family farmers in this area, I don't feel that the few benefit that might arise from this project will outweigh the loss of future generation family farming opportunities and the additional hardships placed on those who remain in the radar site area.

Thank you,
Kenneth S. Ihlen
Dumont, Minn. 56236
Southeast Traverse County site



G2, G3, G8

NOV 03 1986

10-25-86

Lt. Brown

Re: OTH-Backscatter

Being a resident of Traverse County, I strongly oppose the Air Force wanting to build the radar system here. Its apparent this is a government project, because common sense is not being used. There must be a more barren desolate location where this could be built. This is prime farm land.

Also, on a project such as this, great concern is shown for protecting wildlife. Fine, lets protect wildlife. But what about human life. Don't we deserve any protection? Don't we rate high enough? After all, we just live here, work here, and pay taxes so our government can build all these expensive toys for our military. Why should we get protection from the obvious harmful effects?

Lastly, I really, really, really don't believe this system is needed. It just seems like another waste of money. Tax payer money.

Jim Reckner
Jim Reckner
RR1 Box 18 Norcross MN 56274

My name is [illegible] RAGUSE, and we are landowners and farmers in the Wheaton North Area, section 34, Taylor township, Traverse county, Minnesota. And, we are very much opposed to the Radar Transmitting Station in our area! We are also sugar beet farmers and we feel the Radar Transmitting Station would be a great hindrance to this industry, and the loss of valuable sugar beet acres.

We have four children and our farm is our FUTURE and our family way of life. Our farm has been in the RAGUSE family for over 60 years, and we would like it to continue for more generations to come.

Our two oldest children are now teen-age boys, who since toddlers, have been interested in farming. I have along with me a picture one of the boys drew when he was in kindergarten, 10 years ago, titled "WHEN I GROW UP, I WANT TO ...." and, on that picture he drew a tractor and a semi-truck. That same boy still has the same dreams! How can you HARM take away a child's dreams and our WAY OF LIFE??

Thank you!

4-319

G3, G6

Lt. Col D. Brown

I oppose the Over the horizon backscatter radar site in Marcus County

Sincerely

Mrs Marlene Ragusa

"The Sword of the Spirit ...is the Word of God." Ephesians 6:17

Wheaton, Mn.

Lt. V. B. Brown,

Why take good farm land for an OTH-B radar base - Our Ancestors worked hard to get it cultivated And we would like to keep it for generations ahead - This is supposedly be a free Country - And we want our children & grandchildren to grow in a healthful environment - Doesn't like the government has funny building to keep Antiques - thing of great value and have them preserved - Why do we have to forget our great - great grandparents & what they did for the Country?

Sincerely,
Jane Schmidt

RECEIVED NOV 03 1980

0-7200 11-80 ... Augsburg Publishing House ...

4-320

RECEIVED NOV 03 1980

St. Paul's Priory
2675 E. Largent Lane
St. Paul, Mn. 55109

Lt. V. B. Brown, ESD/SCO
Hanscom AFB, MA 01731
Dear Lieutenant,

I am writing today because I feel the urgency of the problem. The farmers of Traverse County are in danger of losing their family farms because the air force wishes to construct an Over the Horizon Backscatter radar transmitter. This would involve over two thousand acres of good farm land.

I thought we were trying to support and preserve these family farms. These people love their farms, good soil, and this way of life. They are willing to continue the battle against uncertain weather conditions, fair

prices, and the high cost of machinery and supplies. They feel their work contributes to the good of our American way of life. Are we going to let them down? This is a great opportunity to show our care and support.

I thank you for your time and consideration concerning this matter.

May God bless your work, and direct your deliberations and decisions. May He bless this great country of ours and always keep it free.

Sincerely yours,
Sister Herman Joseph Frisch

4-321

RECEIVED
NOV 03 1986

Lt U. S. Brown,

I oppose the Over the Horizon backscatter radar site in Beaver County or anywhere around.

Sincerely
Kathleen K Lippman
R R 2 Box 26
Wheaton, Minn
56296

Oct. 27-86

Lt. V. G. Brown
Vanscom AFB.
MA. 01731

RECEIVED
NOV 2 3 1986

G3, G8

Dear Lt. Brown -

I am opposed to having a radar in Traverse County. If we need it, there must be someplace where not as much prime agriculture land would be wanted.

Furthermore, I don't believe enough tests have been taken for safety sakes -

Am also sure the wildlife would suffer since we are so close to Lake Traverse -

So no OTH B-Radar in Traverse Co. - Sincerely

Mrs Vernon L. Schmitz
Wardaley Mn

4-322

RECEIVED
NOV 2 3 1986

10-28-86

Lt B G Brown, ESD/SC
Hanscom AFB, MA. 01731

Dear Sir

I would like to stand in opposition to the location of a radar base in Wheaton Minn.

If it is put in it will take most of our farm land. We are trying to get two sons started and cost are some thing like this year to do any thing but Kinda all farmers land and old.

I have lived and have all my life 68 years in fact. only to have some thing like this take the best farm land around.

Once again I strongly oppose

Yours truly
Grace Thiel

10.25.1986

Lt. V. G. Brown

RECEIVED NOV 03 1986

I oppose the Over-The-Horizon Backscatter radar site in Traverse County.

Sincerely,

Kenneth Nelk

RR2 Box 52

Wheaton Mn 56296

4-323

October 24 1986

RECEIVED NOV 03 1986

Lt. V. G. Brown,

I oppose the Over-The-Horizon Backscatter radar site in Traverse County.

Kenneth Nelk

RR2 Box 52

Wheaton Mn 56296

RECEIVED
NOV 03 1986

I am Strongly Opposed
to the OTH-B RADAR
Transmitter Proposed for Traverse
Co. Minnesota

Francis Mork
RR #1 Box 28
Wheaton, Mn. 56296

4-324

Oct 24, 1986

RECEIVED
NOV 03 1986

Lt. Brown

We don't want the Over-the-Horizon Backscatter Radar site in Traverse County.

Sincerely,

Myron Bindra
Rt. 2 Box 25
Wheaton, MN 56296

October, 24 1986

Lt. V. G. Brown

NOV

I oppose the Over- The- Horizon Backscatter radar site in Traverse County.

Phillip J. Schmidt
RR#2 - Box 52
Wheaton MN 56296

4-325

G4, G5, G6

Oct 24, 1986

NOV 03 1986

Lt. V.G.Brown,

I oppose the Over-the-Horizon Backscatter Radar site in Traverse County. It seems to me that any project with as many unanswered questions as this one should not be funded for any location. Apparently the GAO Office felt the same way.

Nobody has answered these questions. Who is going to make up for the lost taxes in the affected townships? What is the future for the farm families that have devalued land around the site? Who is responsible for the erosion of the valuable topsoil during the time of construction when they need to blade away the existing landscape? What is the Federal Government going to do with the site when it is no longer in operation in twenty years? What compensation will be made to people in the future if they find out that the "small possibility" of health risks turns out to be reality?

Nobody but the military would dream of proceeding with such an expensive project in light of all these questions and all this opposition.

Sincerely,

Ellen Vollmers

Ellen Vollmers
Rt. 2 Box 21
Wheaton, MN 56296

Mr. & Mrs. [illegible]
[illegible] Rt. 1
Box 108
Cleveland, Minn.
56016

RECEIVED
NOV 1 1988

G8

Gentlemen,

I am writing this letter in regard to the CTH-B Radar Range which is being considered by the Air Force to be located in the Waterville/Dumont vicinity.

As you can see by the state of my correspondence, and the time of its arrival, it is hardly worthy to meet the deadline & guilt is a human nature to try and put out of your mind something that displeases and makes you terribly nervous, hoping the problem will go away. However, that may only happen. To much pen in hand & face reality and will tell you why my feelings and I oppose the Base.

There are so many reasons that I could list. But as my presentation has given me limited time I will list the two most important and relevant to me, to us, our home & our family.

My husband is 37 years old and we have been farming for many years. Both his parents & my parents have retired & they farm the land (4 of us) they farm

Grandfather. If they were to have the ability to farm the land until the pupil is ready to be a great help to the farmer it is the most productive land.

Also I have been involved with the Brownfield & Sparky Program the oldest started school this year. Every day we drive or walk for down the gravel driveway to meet the bus. Our view of the farmland is a pleasant one. If the radar towers were to be constructed east of Dumont this view would change.

Everyday as I sent my children off to school I would see the beauty of the possible harm that may come to my children & possibly grandchildren. Who is to know. No one knows for sure, I would not gamble on this one. We would probably just pack around to see the sights. Other thoughts I would not put on the back of my mind, because they would go away.

In conclusion, my husband & I oppose the CTH-B radar.

Sincerely,

Dan & Betty Heinke

213

4-326

NOV 0 5 1986

G8, G9

Hearing Officer
HQ Electronics Systems Division
PTH-B Systems Program Office
Hanscom A F B, MA 01731

Atten: Lt. V.G. Brown

Sirs:

Our family is opposed to the OTH-B Radar System because of the potential health hazard to this great farming community in this great land of ours.

We are concerned to a great degree about the effect on the local television and radio, and the scholl bus two way radio transmission. This is a rural community and we depend on the television and radio to maintain our mental health during the long cold winters in this great state of Minnesota.

Sincerely,

[signature]

[illegible], Minn.

4-327

G2, G3, G4, G6, G8

RECEIVED
NOV 0 5 1986

Subject: OTH-B Radar Installation (Wheaton North)

164

To whom it may concern:

My husband and I are writing in opposition to the proposed site of the Radar Installation site by Tintah (Traverse County), which will possibly use up to 32 sections of land. This area depends on agriculture. A major portion of our population is in some way dependent on the farmers in our area. We all either work for farmers, are farmers that will lose our land, are involved in fertilizer companies or run a business in town that depends on the farmers.

This site is too close for comfort. It is taking some of the best producing land in the Red River Valley. The testing that has been done is not conclusive as to our personal safety. We would like the answer to several questions that have not been discussed by the Air Force. Will there be radiation? Will it affect our central nervous system? Will this system be outmoded in several years and used for a nuclear waste dump? Will the farmers get a fair price for their land? What will they do after losing some of their land or in some cases, all of their land and/or their homes? How many local people will be employed by this system or will it be run entirely by Air Force people? We have not gotten enough information from the Air Force on how it will actually affect us.

We, on a personal level would be directly affected, as my husband is employed by a farmer who would lose a major portion of his land. As we just bought a house in Tintah this spring after moving around for fifteen years, we are planning to stay and make this our home. That might not be possible if the radar moves in.

Thank you,

[signature]

Mr. and Mrs. Ken Krause
Rt. 1, Box 2
Tintah, MN

Lt. V.G. Brown
ESD / SCO
Hanscom Air Force Base,
Mass. 01731

RECEIVED

Lt. Brown.

We are strongly opposed to the Oth-B- Radar Transmitter proposed for Traverse County, Minnesota.

John Swanson
Bernadean Swanson

4-328

October 27, 1986

G2, G3, G6, G8

Lt. V.G. Brown
ESD/SCO
Hanscom Air Force Base
Maine 01731

RECEIVED
NOV 07 1986

Dear Lieutenant Brown:

This letter is in response to the Over-The-Horizon Backscatter Radar System installation being proposed for the Traverse County, Minnesota area by the Department of the Air Force. For the record, I am voicing my strong opposition to this proposed installation.

I was born and raised in Traverse County and still call home the farm which my parents operate (and on which one of the sites is proposed). I have followed with keen interest the debates on the proposed installation and have read the Draft Environmental Impact Statement furnished by the Department of the Air Force. I will not belabor the legitimate concerns that have been adamantly voiced by the vast majority of residents of Traverse County regarding the issues of human health risks, wildlife disruption, economics due to loss of prime farm land, displacement of families and the short-lived usefulness of this radar system except to say that these are very critical concerns for which the Air Force has not provided any positive answer. The questions raised must be taken seriously and not ignored as prattle of uninformed people voicing irrelevant questions. Any benefit to the area or the nation is outweighed by the above concerns, especially in light of the fact there is an alternative site in South Dakota.

The other point the Air Force must realize is that the land that may be taken as a radar site is not just real estate in the sense of a city block is bought and an office building put up. The farmers of Traverse County do not just live on the land because a house happened to be vacant and they moved in. They are on the land because it is a true way of life. The land my parents have worked for many years is in every sense a part of them and has provided their family with a sense of roots, home, family, stability and responsibility. Young families now are providing this same way of life for their children. This cannot be ignored and these people cannot be uprooted without very serious consideration of this. A way of life would be destroyed-not just a wooden structure and a few clumps of dirt.

Again, I, together with my husband who was also born and raised in Traverse County, register opposition to the proposed radar sites in Traverse County, Minnesota and hope the Air Force will not ignore the wishes of not only the people of the county, but the many other people from outside the area, legislators and the governor included, who recognize this installation should not be placed in Traverse County.

Sincerely,

Berneta Lundquist

Berneta Lundquist
4105 Birchmont Drive NE
Bemidji, MN 56601

RECEIVED
NOV 07 1986

Oct 25. 1986

Attention
Re: OTHB- Radar site.

As a farmer and landowner in the Fence deduction site. I see the proposed radar site as another military blunder. which will be as absolute as the missile silos in Nance County. In addition to that it will be a misuse of a lot of tax dollars, and health hazard to us.

there is no way such a project can be installed without adversely affecting the drainage of Twelve Mile Creek and its two branches. I see massive Class action lawsuits by area farmers whose land will be flooded by this project. Merely reading the papers and magazines mentioning Star Wars and the developing of planes and missiles which can avoid are being built to escape radar detection. I have come to the Conclusion some people in the Air Force who are proposing this project have lost their common sense.

Yours truly
Mike E. Tuft

11-4-86

G3, G8

RECEIVED
NOV 14 1986

Dear Sir,

I'm writing concerning the Backscatter Radar System. It appears it because of the area you want to set it up in. There are many reasons why I think this area is not a good place to set this up. There are other areas where this could be set up where it would'nt affect so many people. It should be set up in a low populated area.

One of the reasons for not setting it up in this area is because it would ruin alot of good farming land. What are the farmers to make their living by farming to do to support themselves and their family. Set it up in an area where there is no good farmland.

I don't like the idea of the radiation which will probably affect the many people in the area. It needs to be set up in an area where it won't affect any people.

Please consider this matter very seriously because I think it means alot of cash and that's many people (majority in this area) can't put their money.

Think it over.

Sincerely,

Faye and Ronald Kellie

RECEIVED
NOV 17 1986

Hesston Mass.
Nov 17. 1986

Lt. V. G. Brown ESD/SCO
Hanscom A.F.B
Ma. 01731

Dear Lt. Brown

I write to let you know my influence concerning the plans to build an OTHB radar transmitter in Ipswich County Mass. We do not want a threatening monstrosity in our midst; nor do we want our precious land taken away. I am sure you have heard many grievances from this area. Please listen.

Sincerely,
Mabel Winter

RICHARD S. ROBERTS
ATTORNEY AT LAW
BROADWAY OFFICE BUILDING
P O BOX 25
WHEATON, MINNESOTA 56296

TELEPHONE
612-563-8156

ASSOCIATE
MARK A. MEYER

November 12, 1986

Headquarter Electronic Systems
Division /SCO
OTH-B Systems Program Office
ATTENTION: Lt. V. G. Brown
Hamscon Air Force Base, MA 0173-5000

RE: Radar Installation

Dear Lt. Brown:

Please be advised that the writer has lived and worked in the City of Wheaton since 1980 and I have followed the events of the above captioned proposed installation with interest. Initially, the community was overjoyed at the prospect since the City of Wheaton has an abundance of inexpensive housing and would most certainly welcome any increase in population, and this view is still shared by a large majority of the community as a whole.

At some stage in the program, a few highly vocal individuals, who in the past have never taken the slightest interest in public developments of any kind, apparently became obsessed with the idea that all of the Traverse County proposed sites would be to their disadvantage. They were immediately well organized and were provided with the necessary funds to wage an effective campaign before the township boards and the county commissioners who, being politically minded, feared for their offices and made resolutions in opposition to the proposed installation although their reasons for doing so are totally irrational.

They also managed to convince the governor, who is more political than patriotic, to come out with some kind of a statement in opposition to the proposed installation, it being an election year.

Few people have ever been able to accurately predict human behavior in a given circumstance, however, it would appear that the nucleus of the opposition at the outset appeared to know exactly what to do and were given the re-

4-331



sources to accomplish the present state of the opposition. I would think that this might well be of interest to the Air Force Intelligence should they be inclined to make inquiry.

In any event, as a citizen of the United States, it is my feeling that the radar facility should be placed at the optimum strategic location without regard to the self-interest of any group.

To that end, if I can be of any assistance to you in any way, please let me know.

Thanking you, I remain,

Respectfully,

Richard S. Roberts

RSR:jr

G4

NOV 2 8 1988

Dear Lt. Brown,

We are writing in regard to the proposed radar base in Wheaton, Mn. Although there has been much negative publicity, we are defenitely in favor of the project & feel it would be beneficial for our area, in the long run. Business people here are afraid to express their opinions for fear of loosing business from farmers.

My only concern is what happens after 20 yrs. We do not want to end up with a nuclear waste dump. There are so many cities in Minnesota to consider putting that in this area. (what a mess) is our business. We support

4-332

(1)

G1, G2, G8

RECEIVED
NOV 2 8 1988

TO: LT. V. G. Brown

I am writing to voice my strong opposition to the proposed OTH-B system. I have a small welding shop buisness which is directly dependent on the Farming in this area.

I cant see why this Radar is needed because of the new radar evading planes of today.

I also feel that the people who live + work around this area are being used as guinea pigs! The Air Force hasn't tested this in any other area probably because of the low population they go to the least resistance. If our town had a population of 1000 or more they wouldn't be thinking of this site.

I feel that the Air Force Thinks they can do whatever they want regardless of what people think.

Why does Government always insist they know what the people need better than the people themselves.

And as far as the way the hearings were held we as individuals had 3 minutes to decide our fate.

I Hope you read this and Keep This Country The U.S.A. instead of a dictatorship.

Next Page

I would like this Letter included in the Finally Impact Statement and a copy of it.

Sincerly Steve Keller

Steve Keller
R1 Box 4
Tintah MN. 56583
Traverse Co.



RECEIVED
02 DEC 86

November 25, 1986

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Lt. Brown:

My husband and I farm in the North Site of the Traverse County Minn. sites. We are located on the west edge of the designated site to the north end.

There is area of land in the North Site that is not populated for many miles. If this land could be used and I feel it would fit the needs of the Backscatter Radar Site, then it would definitely seem reasonable to say that we are in favor of the site for Traverse County. I feel that the radar defense system is needed for the proper defense of our country, and because of this need, we can use productive farmland and especially if we do not have to relocate many people or none at all, when siting it.

I definitely feel there could be economic benefits for our community as well, even this should not be the prime reason for building such a defense system. We are currently very depressed economically because of the low farm economy at the present time. Certainly adequate payment should be made for those who do give up their land for this project.

Sincerely,

Dolores McClernon

Dolores McClernon(Mrs. Richard)

# Minn-Dak Farmers Cooperative

PURE SUGAR

ROUTE 1 BOX 10 WAHPETON, NORTH DAKOTA 58075-9705

TELEPHONE (701) 642-8411


G6

November 26, 1986

RECEIVED
09 DEC 86

Lt. V. G. Brown
H. Q. Electronic Systems Division/SCO
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

It has been brought to my attention that aerial spraying would be limited or banned in the Wheaton-Tintah-Norcross area should the Air Force choose this site for the OTH-B system.

Sugarbeets are grown extensively throughout this area. Aerial application of pesticides for sugarbeets has long been a necessary tool for the sugarbeet grower.

Timeliness in applications of herbicides on sugarbeets is very critical for weed control. Many of the broadleave herbicides used on sugarbeets will only work when the weeds are at a certain stage. This period of time is only a few days depending on growing conditions. After this period, herbicides become ineffective for weed control. Aerial applications of herbicides is a much faster operation than ground application. In many cases due to wet field conditions aerial applications are the only alternative a sugarbeet grower has for weed control. Without aerial spraying, weeds would become a serious problem to the sugarbeet grower. Not only will this cause a yield reduction to the grower but also a quality problem for the whole Coop. Weeds that are harvested with the beet pose a storage problem in the sugarbeet pile. If loads come to the receiving station with excessive weeds, they are rejected.

Aerial application of herbicides is not the only method of weed control. Ground application of herbicides and hand labor is also used. However, all three of these methods compliment each other. Without aerial application the other two methods of weed control would not be as effective.

Aerial spraying is also used for fungicide use in sugarbeets. Cercospora leafspot is a fungal disease that reduces both yield and quality in sugarbeets. To combat this disease a grower must spray an average of three times every 10-14 days during the critical incubation period of this disease. Aerial spraying is used by the majority of the growers to keep this disease in check.

Ground spraying can also be used to hold off this disease but only if (1) a grower makes an initial investment in a costly ground sprayer, (2) field conditions are dry enough to permit ground spraying (3) foliage is short enough so the crop won't be damaged by wheel tracks.

4-334

Cercospora spraying also comes during small grain harvest. Many growers don't have the time or labor to handle both jobs at once. Therefore aerial application permits the grower to get his beets sprayed during a hectic time of the year.

Sugarbeets are not the only crop to be aerial sprayed. Small grain, soybeans, corn, etc. have all been aerial sprayed in the southern Red River Valley. During a wet season like we've had the last few years, some growers entire acreage has been aerial sprayed.

Please consider this when you are choosing a site for the OTH-B system. Aerial spraying is vital to sugarbeets and agriculture in the Wheaton-Tintah-Norcross area.

Thank you.

Sincerely,

Jim Coffman

Jim Coffman, Agriculturist
Minn-Dak Farmers Cooperative
Wahpeton, ND 58075

JC/tm

[illegible]

RECEIVED
NOD DEC 86

[illegible]

RR1 Box 40
Nagaress, MN
56074

G2, G3, G8



To. Lt. V G Brown
Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB MA 01731

OCT 20, 1986

RECEIVED
20 DEC 86

Ref OTH-B Radar Site

from John E Daniels
RR 1 Box 16
Tinley Miss 38653

G2

In your final Statement please show us our present radar protection on our East West & Southern Coasts with NORAD and other Radar Systems so we can see how much of the Back Side of the East & West OTH-B Radar Sites are already covered with existing Radar. If existing Radar goes out 300 miles from the Coast how can the cost of $650,000,000 be justified to cover the small & missing coverage? What type of attack could there be made on us in that uncovered area?

How do you ~~justify~~ justify ~~spending~~ spending 1400 miles of radar coverage to cover only 300 miles at the most?

In the Southern Coast the present Radar covers 200 miles, adding OTH-B Radar would extend it only 300 miles more.

If the threat of attack is so slight from the South why only add just 200 miles more? If it is so great, the threat of attack from the South, how do we dare go only 500 miles South in our radar protection?

Please explain, & answer and justify the entire OTH Radar System in Central U.S. in light of the above Questions.

Sincerely
John & Dawn S.

4-336

Also what are the alternatives to OTH-B Radar & what these missing Spots? & And what would their cost be?

G3, G5, G6, G7, G8 November 27, 1986

Lt. V. G. Brown,
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, Mass. 01731

RECEIVED
DEC 5

Dear Sir,

We, Lawrence Lundquist and Lawrence Lundquist Rte 1 Box 74, Graceville, Minn. 56240, strongly oppose the over-the-horizon backscatter radar in Traverse County. Our farm is located in the SW proposed sector.

There are four homes and barns that all our loved. The area was farm for our parents and grandparents who settled here about 1870. That began as a prairie land was broken by plow and disc and through the years was improved upon to become one of the most productive areas on the continent. Does it make sense to put such a radar system that may be obsolete in 20 years?

About 1/2 mile from the property is a rare sweet-kept Cheyenne Church established in 1891. We celebrated its 100th anniversary this year. Throughout the years it has been the center of the community. Here and on glorious Sunday families are joined to worship. Does the system as stated pose a health hazard to humans and animals? Does it cause cancer? Will the property values be affected by radiation or the threat of it? Does the government have the right to take away our land or property values by the threat of radiation?

This farm is not occupied year-round, but continues to be "home" for the holidays and vacation spot for 18 nieces and nephews and their families. We plan to retire here. Our home is comfortable and as modern as most in town or country. With the health risks from the proposed radar system who will want to live in this area and who would buy the nearby land if one wanted to sell?

We hope you will foresee the disastrous results. Please take these remarks seriously and put a stop to any plans for an OTH-B radar system in Traverse County.

P.S.

For the past 40 years I have been a member of the Parmelee Twp. Bd. of Traverse County. I know the importance of good roads and adequate ditching for drainage. This proposed radar system would require bonding lands, filling in ditches and clearing away with heavy land system. Land purchased by the government would not be taxed. This would put a tax burden on the farmers. Again, I strongly oppose the OTH-B radar in Traverse County.

Lawrence Lundgrust

4-337

RECEIVED
05 DEC 86

Wilson, Min. 56296
Dec 1- 1986

Lt. U. H. Brown
Hanscom AFB. Ma. 01731

G2, G3, G4, G6, G8

Dear Sir:

I am a resident of Traverse Co. Mn. and wish to voice my opinion on the OTH-B. radar system. I am totally against this construction in this County, because of the loss of farm families. Loss of good productive land, loss of farming business, higher taxes on remaining land and severe health risks. The government has no right to ruin farm families any more than they already have. We have enough to endure now with this bad farm economy. They have no concern for farmers any more and want to banish them from the land. In 5 years this radar system will be outdated and the community ruined + land ruined and no one cares about the future of farm families. Something has to be done to change this.

Sincerely
Mrs Margaret Johnson
RR2 Box 31

To Col Thomas A Tom

Traverse City
Dec. 1st, 1986

[illegible] farmers but are [illegible] in the farm. Everyone was concerned about the impact on human lives, wildlife and the environment that the Buckmaller radar [illegible] Everyone [illegible] farm land out of production. A lot of land [illegible] but we farmers [illegible] Buckmaller, but [illegible] farmers are concerned about the [illegible] disposal for some [illegible] enough research done you can't show [illegible] we know what consequences it could have on people 10 years from the road. That we are able to eat [illegible] our lands of farms are forced to [illegible]

[illegible] strongly disapprove of the project. I think we have [illegible] learned about making defense [illegible] in reviewing the nature as a whole [illegible] Traverse [illegible] already [illegible] are planning your [illegible] radar. [illegible] that can't [illegible] below radar. I have perfect [illegible] obsolete radar [illegible] for years. A boondoggle of taxpayers hard [illegible]

It would not be a [illegible] to the community. It would [illegible] a blight [illegible] improbable [illegible] disapproval of [illegible] Buckmaller

RECEIVED
08 DEC 86

[illegible]

G2, G6, G8

G8

LT UG Brown
HQ Electronic System Division
ORH- B System Program Office
Hanscom AFB Ma. 01731

I am very much opposed to this OTH-B radar in Traverse County. All my young life I have planned on farming My parents land in the future. You have no idea how much it hurts to think that could be taken away for a radar Site here It would take away all my dreams and thoughts that my homestead would go down the drain. I don't think you need to use good farm land for this radar site And waste our tax money for this. Let us have a good clear air and not have a Health Hazard in our Area.

RECEIVED
08 DEC 86

Bradley Westbrook

G6

December 4, 1986

RECEIVED
19 DEC 86

Lt. V.G. Brown
HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, MA. 01731

Dear Lt. Brown:

I am writing in regard to aerial spraying of agricultural crops close to the OTH-B system. On Col. Lee's second visit to Wheaton in July he said it could be shut down so aerial spraying could be done. I find that hard to believe that the U.S. Air Force would shut down a Multi-Million Dollar National Defense system so I can spray the back 40. If that is the case National defense maybe doesn't need it in the first place.

I farm 1,600 acres in or right next to the Wheaton North study area. If we can not aerial spray within a few miles of the OTH-B I could not spray any of my land in a year like 1986 it would have been a diaster! I raise about 1,000 acres of sugar beets, 500 of wheat, 500 soybeans and 300 barley.

In 1982 I had an unintentional skip of herbicide, or weed killer in my sugar beet field. it was only about ½ acre. My agronomist from Min-Dak Farmers Co-op. (Sugar Beet Plant) wanted to make a test plot out of it and he did. About Oct. 1st he took a yeild check on it and the results were unbelieveable! The untreated area had a 60% crop lose wich transfers to over a $300.00 per acre lose for one herbicide application miss or about $60,000.00 on my beet crop alone, if it would have been on the whole acreage. This field was not heavily infested with weeds either

This shows how inportant timely application of herbicides are on sugar beets, and some of the other crop as well. In other crops the dollars per acre would be less because of total value of crop but the per cent of loss would be about the same if it could not be timely sprayed.

If we cannot aerial spray close to OTH-B what compensation does the Air Force have for us? Us farmers cannot stand a crop lose like this even 2 or 3 years out of 10. We have had 2 in the last 4 already. I am sure the Air Force has not done a study on the economic effect it would have on adjoining land or come up with a crop loss payment for them!

There are many more questions on this OTH-B system. I don't believe it should be in a populated farming area for Economical, Environmental, Geological, physicological, and health reasons.

Sincerely Yours,
Jerry Berger
Jerry Berger
R. 1, Box 34
Norcross, Mn. 56274

4-339

WILLIAMS, NITZ, KREKELBERG & STRINGER
ATTORNEYS AT LAW

RECEIVED
09 DEC 86

W EARL WILLIAMS
RICHARD F NITZ
CHARLES A KREKELBERG
THOMAS M STRINGER
JOHN A HATLING

P O BOX 177
213 SOUTH MILL STREET
FERGUS FALLS, MINNESOTA 56537
(218) 739 4621

P O BOX 353
PELICAN RAPIDS, MINNESOTA 56572
(218) 863 6651

REPLY TO
Fergus Falls
OFFICE

December 4, 1986

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

RE: OTH-B (Over-the-Horizon Backscatter)
Traverse County, Minnesota

Dear Lt. Brown:

Traverse Co. Citizens Against OTH-B Radar is an association of citizens of Traverse County, Minnesota. The association and its members have consulted with me regarding suspected inadequacies to date in the environmental impact statement process, including probable violations of the 1969 National Environmental Policy Act, the Environmental Quality Improvement Act of 1970, as amended, the Clean Air Act, as amended and various rules and regulations pursuant thereto. Enclosed herewith is a summary statement which identifies the problem or violation and cites the relevant sections from 40 CFR, Ch. V.

I ask, for this association, that the concerns set forth in this letter and its enclosure be reviewed and considered by you and others involved in the site selection process.

I also again request that you provide to me direct notice of the decision on site selection. Thank you.

Very truly yours,

Thomas M. Stringer

cc: Senator David Durenberger
Senator Rudy Boschwitz
U. S. Representative Vin Weber
Col. James A. Lee

Enclosure

bjm

1969 National Environmental Policy Act

1502.1 Purpose

§ 1502.1 Purpose.

The primary purpose of an environmental impact statement is to serve as an action-forcing device to insure that the policies and goals defined in the Act are infused into the ongoing programs and actions of the Federal Government. It shall provide full and fair discussion of significant environmental impacts and shall inform decisionmakers and the public of the reasonable alternatives which would avoid or minimize adverse impacts or enhance the quality of the human environment. Agencies shall focus on significant environmental issues and alternatives and shall reduce paperwork and the accumulation of extraneous background data. Statements shall be concise, clear, and to the point, and shall be supported by evidence that the agency has made the necessary environmental analyses. An environmental impact statement is more than a disclosure document. It shall be used by Federal officials in conjunction with other relevant material to plan actions and make decisions.

VIOLATION:

We feel the DEIS did not fully and fairly address impacts to:

(1) displacing farm families;
(2) devaluation to adjacent farmland;
(3) long-term health risks to families living near exclusion fence;
(4) severe restrictions on aerial crop spraying aircraft.

4-340

1502.8 Writing

§ 1502.8 Writing.

Environmental impact statements shall be written in plain language and may use appropriate graphics so that decisionmakers and the public can readily understand them. Agencies should employ writers of clear prose or editors to write, review, or edit statements, which will be based upon the analysis and supporting data from the natural and social sciences and the environmental design arts.

VIOLATION:

(1) Maps in DEIS were not clear, concise. No county, township, section numbers given.

(2) Maps are outdated -- 1975.

1504.14 Alternatives including the proposed action

§ 1502.14 Alternatives including the proposed action.

This section is the heart of the environmental impact statement. Based on the information and analysis presented in the sections on the Affected Environment (§ 1502.15) and the Environmental Consequences (§ 1502.16), it should present the environmental impacts of the proposal and the alternatives in comparative form, thus sharply defining the issues and providing a clear basis for choice among options by the decisionmaker and the public. In this section agencies shall:

(a) Rigorously explore and objectively evaluate all reasonable alternatives, and for alternatives which were eliminated from detailed study, briefly discuss the reasons for their having been eliminated.

(b) Devote substantial treatment to each alternative considered in detail including the proposed action so that reviewers may evaluate their comparative merits.

(c) Include reasonable alternatives not within the jurisdiction of the lead agency.

(d) Include the alternative of no action.

(e) Identify the agency's preferred alternative or alternatives, if one or more exists, in the draft statement and identify such alternative in the final statement unless another law prohibits the expression of such a preference.

(f) Include appropriate mitigation measures not already included in the proposed action or alternatives.

VIOLATION:

Alternatives briefly mentioned on p. 2-28 (Sec. 2.2) DEIS.

## 1502.16 Environmental consequences

§ 1502.16 Environmental consequences.

This section forms the scientific and analytic basis for the comparisons under § 1502.14. It shall consolidate the discussions of those elements required by sections 102(2)(C) (i), (ii), (iv), and (v) of NEPA which are within the scope of the statement and as much of section 102(2)(C)(iii) as is necessary to support the comparisons. The discussion will include the environmental impacts of the alternatives including the proposed action, any adverse environmental effects which cannot be avoided should the proposal be implemented, the relationship between short-term uses of man's environment and the maintenance and enhancement of long-term productivity, and any irreversible or irretrievable commitments of resources which would be involved in the proposal should it be implemented. This section should not duplicate discussions in § 1502.14. It shall include discussions of:

(a) Direct effects and their significance (§ 1508.8).

(b) Indirect effects and their significance (§ 1508.8).

(c) Possible conflicts between the proposed action and the objectives of Federal, regional, State, and local (and in the case of a reservation, Indian tribe) land use plans, policies and controls for the area concerned. (See § 1506.2(d).)

(d) The environmental effects of alternatives including the proposed action. The comparisons under § 1502.14 will be based on this discussion.

(e) Energy requirements and conservation potential of various alternatives and mitigation measures.

(f) Natural or depletable resource requirements and conservation potential of various alternatives and mitigation measures.

(g) Urban quality, historic and cultural resources, and the design of the built environment, including the reuse and conservation potential of various alternatives and mitigation measures.

(h) Means to mitigate adverse environmental impacts (if not fully covered under § 1502.14(f)).

(43 FR 55994, Nov. 29, 1978; 44 FR 873, Jan. 3, 1979)

VIOLATION:

The impact of taking 4,000 acres of prime farmland out of production indefinitely (at least 25 years if land was leased; permanently if land was purchased) was not adequately addressed. Farmland is a depletable resource.





## 1502.19 Circulation of the environmental impact statement

§ 1502.19 Circulation of the environmental impact statement.

Agencies shall circulate the entire draft and final environmental impact statements except for certain appendices as provided in § 1502.18(d) and unchanged statements as provided in § 1503.4(c). However, if the statement is unusually long, the agency may circulate the summary instead, except that the entire statement shall be furnished to:

(a) Any Federal agency which has jurisdiction by law or special expertise with respect to any environmental impact involved and any appropriate Federal, State or local agency authorized to develop and enforce environmental standards.

(b) The applicant, if any.

(c) Any person, organization, or agency requesting the entire environmental impact statement.

(d) In the case of a final environmental impact statement any person, organization, or agency which submitted substantive comments on the draft.

If the agency circulates the summary and thereafter receives a timely request for the entire statement and for additional time to comment, the time for that requestor only shall be extended by at least 15 days beyond the minimum period.

VIOLATION:

(1) Affected township boards (local agencies) were not furnished with DEIS.

(2) Affected landowners were not furnished with DEIS.

## 1502.22 Incomplete or unavailable information

§ 1502.22 Incomplete or unavailable information.

When an agency is evaluating significant adverse effects on the human environment in an environmental impact statement and there are gaps in relevant information or scientific uncertainty, the agency shall always make clear that such information is lacking or that uncertainty exists.

(a) If the information relevant to adverse impacts is essential to a reasoned choice among alternatives and is not known and the overall costs of obtaining it are not exorbitant, the agency shall include the information in the environmental impact statement.

(b) If (1) the information relevant to adverse impacts is essential to a reasoned choice among alternatives and is not known and the overall costs of obtaining it are exorbitant or (2) the information relevant to adverse impacts is important to the decision and the means to obtain it are not known (e.g., the means for obtaining it are beyond the state of the art) the agency shall weigh the need for the action against the risk and severity of possible adverse impacts were the action to proceed in the face of uncertainty. If the agency proceeds, it shall include a worst case analysis and an indication of the probability or improbability of its occurrence.

VIOLATION:

Statements in DEIS are not concise as to health risks from exposure to PFR (radiofrequency radiation). The OTH-B system was/has not been tested in a populated area over a long term. East Coast system is forestland -- not inhabited. Only one of three sectors is not operational.

West Coast system is on fed. govt. land; not yet constructed/ tested.

How can Air Force state that this system is safe when no long-term study is available on RFR from the OTH-B?

1502.25 Environmental review and consultation requirements

§ 1502.25 Environmental review and consultation requirements.

(a) To the fullest extent possible, agencies shall prepare draft environmental impact statements concurrently with and integrated with environmental impact analyses and related surveys and studies required by the Fish and Wildlife Coordination Act (16 U.S.C. 661 et seq.), the National Historic Preservation Act of 1966 (16 U.S.C. 470 et seq.), the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.), and other environmental review laws and executive orders.

(b) The draft environmental impact statement shall list all Federal permits, licenses, and other entitlements which must be obtained in implementing the proposal. If it is uncertain whether a Federal permit, license, or other entitlement is necessary, the draft environmental impact statement shall so indicate.

VIOLATION:

Farmland Protection Policy Act P.L. 97-98 was not cited.

---

1506.5 Agency responsibility

§ 1506.5 Agency responsibility.

(a) *Information.* If an agency requires an applicant to submit environmental information for possible use by the agency in preparing an environmental impact statement, then the agency should assist the applicant by outlining the types of information required.

VIOLATION:

Colonel James Lee stated on 6/12/86 at the 2 p.m. meeting with members of the Wheaton Industrial Development Commission and a small group of area landowners that "he will make sure area farmers are talked to to find out exactly what economic impact the loss of cropland will mean to this area if selected." (Quoted from 6/19/86 Wheaton Gazette).

The fact is that contact was NEVER made with any farmers and consequently the area farmers had no input into the economic impact this radar installation would have in our rural area. Thus, the issue was not addressed in the DEIS. Stanford Research Institute of CALIFORNIA provided their facts/figures... but not farmers of Traverse County, MN.

avoid any conflict of interest. Contractors shall execute a disclosure statement prepared by the lead agency, or where appropriate the cooperating agency, specifying that they have no financial or other interest in the outcome of the project. If the document

VIOLATION:

The MITRE Corporation of Bedford, Mass. was a reference for much of the information in DEIS. MITRE Corp. is defined on p. G-4 of DEIS as an "Air Force contractor." This would indicate that they do have a financial/other interest in the outcome of the project.





1506.6 Public involvement

§ 1506.6 Public involvement.

Agencies shall:

(a) Make diligent efforts to involve the public in preparing and implementing their NEPA procedures.

(b) Provide public notice of NEPA-related hearings, public meetings, and the availability of environmental documents so as to inform those persons and agencies who may be interested or affected.

VIOLATION:

(1) DEIS was not readily available to the public. According to the DEIS distribution list, only 16 copies were sent to the Wheaton area. We had to call Hanscom AFB in Massachusetts to request a copy.

(2) Public notice was given as to meetings and hearing, but no specific information was given as to ground rules for the hearing -- time limitations. At promptly 10 p.m. on 9/10/86, the date of our public hearing, the hearings office closed/adjourned our hearing. Only ½ (39) of the registered speakers were able to give their oral statements.

(3) In the case of an action with effects primarily of local concern the notice may include:

(i) Notice to State and areawide clearinghouses pursuant to OMB Circular A-95 (Revised).

(ii) Notice to Indian tribes when effects may occur on reservations.

(iii) Following the affected State's public notice procedures for comparable actions.

(iv) Publication in local newspapers (in papers of general circulation rather than legal papers).

(v) Notice through other local media.

(vi) Notice to potentially interested community organizations including small business associations.

(vii) Publication in newsletters that may be expected to reach potentially interested persons.

(viii) Direct mailing to owners and occupants of nearby or affected property.

VIOLATION:

The three proposed study areas in Traverse County were known by the Air Force at the March 1 meeting and June 12 meeting. But weren't revealed until late Aug.-early Sept. when a few Trav. Co. residents received their DEIS. The Air Force certainly could have released the actual study area locations at least 6 months earlier than they did.

Direct mailings of notice to owners/occupants of nearby or affected property were not made.

G3

Dumont, Mn.
11-22-86

Lt V. G. Brown
ESO/SCO
Hanscom AFB, Ma 01731

RECEIVED
09 DEC 86

Dear Lt. Brown:

Because of the opposition to the OTH-B in Traverse County, Minn; why is it not possible to use a different site than Grand Forks for your base building? If you could acquire a plot of land in a remote area - first positioning your transmit sites which require the most land; then place your base building said number of miles from the transmit and receiver sites.

If the air force chose an area west of the Red River Valley to construct the entire structure, our prime farm land would not be effected, we farmers would not loose our land, our families would be able to continue farming, and if there is radiation, it would not endanger all of us. Rapid City, S.D. is an example of such an area.

Please - give this option your utmost attention!! We want our farms saved!

A very concerned citizen & mother.

Marjorie Trisch
RR Box 644
Dumont, Mn.
56236

cc: Rudy Boschwitz
Dave Durenberger
Vin Weber
James A. Lee
Dr Sydney J. Everett
Church Grove Twp

over

The Rapid City air base I am referring to is huge - why couldn't the radar base building be constructed in that area and transmit and receiver sites placed within said number of miles from it in that area? The population is much less and it is not prime farm land.

I would like an answer to my question!

Marjorie Trisch
RR
Dumont, Mn 56236

4-343

RECEIVED
NOV 26 '86

December 4th 1986

Lt. V.G. Brown
ESD/SCO
Hanscom AFB, MA
01731

My name is Jessica Mathias I am 12 years old. My family and I live on a farm near the proposed Wheaton S.E. study area for the OTH-B transmitter. I have lived here all of my life and I want very much to grow up here. If the Air Force does install this radar in our area, My family and I, along with many others, will be forced to move from our homes.

Please find a more suitable, unpopulated site for this radar system. We want to stay here, in

OVER

Traverse County, Minnesota.

Sincerely,

Jessica Mathias
Route 1. Box 104
Wheaton, Minnesota
56296




**Traverse Co. Citizens**
**AGAINST**
**OTH-B Radar**
WHEATON, MINNESOTA 56296

December 4, 1986

RECEIVED 10 DEC 86

**PRIORITY MAIL**

Lieutenant V. G. Brown
ESD/SCO
Hanscom AFB, MA. 01731

RE: OTH-B radar transmitter proposed for Traverse County, Minnesota

Lieutenant Brown:

Enclosed please find Resolution from Windsor Township of Traverse County, Minnesota, opposing the radar installation in our area. This resolution should be added to those township resolutions sent earlier, and should become a matter of record and be published in the Final Environmental Impact Statement.

The record should indicate that, to date, thirteen of the fifteen townships in Traverse County, Minnesota, are opposed to the OTH-B radar transmitter in our county.

Sincerely,

TRAVERSE COUNTY CITIZENS AGAINST
OTH-B RADAR

By: Marilyn Mathias
Marilyn Mathias
Route 1, Box 104
Wheaton, MN. 56296

Enclosures

4-345

## Resolution

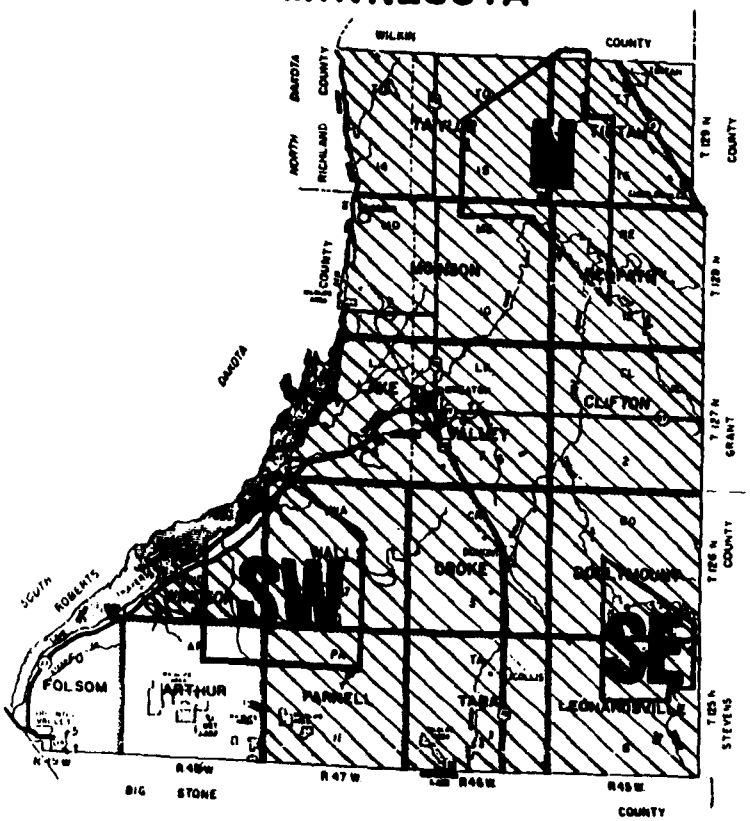
**Because of concerns about the loss of tax base and possible health risks to our citizens, the loss of wild life and its habitat, the Board of Windsor Township has resolved not to allow construction of the Over The Horizon Transmitter Site within the boundaries of Windsor Township.**

**Windsor Town Board**

47c

G6, G8

# TRAVERSE COUNTY
## MINNESOTA




* TAYLOR
* TINTAH
* MONSON
* REDPATH
* LAKE VALLEY
* CLIFTON
* WALLS
* CROKE
* CITY OF DUMONT
* DOLLYMOUNT
* PARNELL
* TARA
* LEONARDSVILLE
* WINDSOR

# OPPOSITION TO OTH-B Radar

TOWNSHIP RESOLUTION OPPOSING OTH-B RADAR HAS BEEN PASSED

Dated: 12/4/86

**MATHIAS AERIAL SPRAYING SERVICE**

RR 1 Box 104
Wheaton, Minnesota 56296

G6

December 4, 1986

RECEIVED
10 DEC 86

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA. 01731

RE: OTH-B radar transmitter

Lieutenant Brown:

We strongly oppose the proposed OTH-B radar transmitter in Traverse County, Minnesota.

Several thousands of acres would be in a restricted airspace zone which would prohibit aerial spraying. In addition, ferrying time and expense would be considerably increased for fields located on opposite sides of restricted area from my airstrip.

We do not believe that the U.S. Air Force would shut down any sector of the $600 million transmitter (as Colonel Lee stated on September 11, 1986) so that the field in the restricted area could be aerially sprayed. Timing of application of chemicals along with favorable weather conditions are <u>most critical</u>. Having been in the aerial spraying business for 21 years, I know it is impossible to schedule any spraying applications <u>in advance.</u>

Locating the OTH-B radar transmitter in any of the three proposed study areas in Traverse County would have a seriously negative impact on our aerial spraying business. Several of our customers live in the Wheaton S.W. area, which is only 3 miles from the Wheaton municipal airport. The Wheaton N. site raises sugarbeets which require several applications of fungicide annually. The Wheaton S.E. site is where my family and I live and it borders my personal airstrip. This airstrip should be indicated at SW¼ Sec. 15, Dollymount Township, in the final EIS. It is currently of record with the Federal Aviation Administration.

We request that this letter become of record and be published in the final environmental impact statement.

MATHIAS AERIAL SPRAYING SERVICE
By: Rick Mathias
Rick Mathias

Jon Mathias
Jon Mathias

4-346

165

G2, G3, G6, G8

12-3-86

Lt. V. G. Brown
ESD/SCO,
Hanscom AFB, MA 01731

RECEIVED
10 DEC 86

RE: Over the Horizon Backscatter Radar Transmitter

Gentlemen:

May it be known we object to the construction of the Over the Horizon Backscatter Radar Transmitter in Traverse Co, Minnesota. We feel it is a definate health hazard. Also the value of our farm land will be lost plus the fact we will have to absorb the tax increase caused by the loss to our area. We do not understand the reason for the large amount of land needed in the time of small computers etc for something supposed to be out dated even before construction.

Yours Truly
Wm & Dorothy Wm Dorothy Dixon

Wheaton, Mn
Nov 18 1986

Colonel Lee AFESD
Hanscom Air Force -

Dear Colonel Lee -

This is to inform you that I am very much opposed to the construction of an OTHB radar transmitter in Traverse County Minn. I am sure you are aware of the many grievances. Please listen to our plea.

Sincerely,
Mabel Winter
R.R.2 Traverse Co
Wheaton Mn.
56296

RECEIVED
15 Dec 86

Senator Durenberger Dist.

4-347

Dec 14, 1986

HQ Electronic Systems Div.
OTH-B Systems Program Office
Hanscom AFB, Mass. 01731

RECEIVED
DEC 23 1986

Dear Lt. C. M. Brown

This is to let you know that our family is For the proposed U.S. Air Force OTHB Central Radar Systems in Traverse County, Wheaton, Minn. Area.

I am a world war II veteran, retired from farming, living in Wheaton, with my wife our Son an Air Force, Vietnam war veteran farms 7 miles south east of Wheaton, Mn with his wife and 3 small daughters.

We all feel the defense of our country comes first. We were reminded again, just a week ago, of the surprise attack on Pearl Harbor 45 years ago.

Those against the project claim it is not needed and is a Health Hazard. If that were true we have much more to worry about than the Russians.

Sincerely
Edward Moeller
Mary Moeller

### 4.2.4 South Dakota

Letters were received from:

Harry R. Gainor, Milnor, ND
Don and Shirley Litch, Langford, SD
Keith Schmidt, Roslyn, SD
Edna L. Wagner, Andover, SD
Harold Wells, Houghton, SD
Tom W. Jones, Sr., Langford, SD
George Hanson, Chairman, Marshall County Commission, Britton, SD
Kathy Cavanaugh, Degraff, MN
Linda L. Steele, Aberdeen, SD
Ruby A. Lamberton, Webster, SD
Arnold Anderson, Chairman, Day County Commission, Webster, SD
Richard Symens, Chairman, Weston Township Supervisors, Claremont, SD
Milo Olson, Chairman, Farmington Township Supervisors, Langford, SD
Philip W. Morgan, Britton, SD
Richard Wismer, Britton, SD
G. Carol Anderson, Rapid City, SD
Brad Okrina, Administrator, Northeast Economic Development Association of South Dakota, Aberdeen, SD
Robert Wigdahl, Chairman, Newport Township Supervisors, Langford, SD
Rocky Hartberg, Langford, SD
Eugene Prunty, Andover, SD
Gil Gullickson, Brookings, SD
Donald D. Jarrett, Britton, SD
G. Carol Anderson, Rapid City, SD
DeLores B. Henehan, Mayor, Britton, SD
Vance Hemen, Britton, SD
Henry J. Knapp, Engineering Manager, Missouri Basin Municipal Power Agency, Sioux Falls, SD
Mrs. George Smeins, Langford, SD
Roy A. Pulfrey, Aberdeen, SD
Frank L. Farrar, Britton, SD
Mr. & Mrs. Gilbert Bistadeau, Claremont, SD
Sherman L. Olson, Langford, SD
Florence Krieger, Rapid City, SD
Lilas Riley, Faulkton, SD
Bruce A. Likness, Langford, SD
Mrs. George Smeins, Langford, SD
Clifford F. Olson, Britton, SD
Donald T. Jondahl, Langford, SD
Jesse B. West, Langford, SD
Jerry E. Bennett, Fullerton, CA
Bruce A Likness, Town President, Langford, SD
Keith S. Anderson, Britton, SD
The Kenneth Frey Family, Claremont, SD
Janet Frey, Claremont, SD
Ricky Cole & Family, Langford, SD

DeLores B. Henehan, Mayor, Britton, SD
Mr. and Mrs. Vincent Malm and Leslie Malm, Langford, SD
Betty Beck, Hecla, SD
Terry T. Johnson, President, Britton Chamber of Commerce, Britton, SD
Mrs. Duane (Marlys) Torguson, Andover, SD
James Wigdahl and Rick Cole, Langford, SD
G. Carol Anderson, Rapid City, SD

HARRY R. GAINOR
MILNOR, NORTH DAKOTA 58060

Sept. 15, 86

Lt. V. H. Brown
ESD / SCO
Hanscom AFB, Mass 01731

Dear Sir:

I read with interest about the proposed radar installation near Wheaton, Mn.

I would propose an alternative to the Mn. site.

I have some 2400 acres in eastern S.D. that I would sell. This is lower priced land, less density population & I am positive there would be less opposition to the project in S.D.

The proposed S.D land is rolling type land but the location is not alt that much greater distance from the Twin Cities.

If you have any interest in the S.D land now or in the future, you can contact me.

Sincerely
Harry R Gainor
Box 11
Milnor, ND. 58060

HARRY R. GAINOR

4-350

Langford S.D
Sept 16 1986

Dear Sirs,

We are approaching retirement age and have 240 acres available for your project. We know thats only 10%, but may be more would go in the area.

Dis:
Sisseton Township 125N sec 7 Range 57W. land is in sec 7 9 miles Northeast of Langford So. Dak.

Thank you
Mr. & Mrs. Shirley Kotalo
Rt 1 Box 132
Langford, S.D. 57454

29Sep86

September 15, 1986

Lt. V. J. Brown
EFD-SCO
Hanscom AFB, MA 01731

Lt. Brown:

Being a member of the Roslyn town board and development corporation, I am writing in regards to the site for the Backscatter Radar Transmitter.

Our town is located approximately 30 miles east of Langford and we would be very interested in having our community in consideration for the radar site. I have spoken to area farmers and other people in the community and all response on the project has been very acceptable.

We would appreciate any inquires as to our community and surrounding area as to the acceptability for the construction of the site in our area.

Thank you.

Keith Schmidt

Keith Schmidt
Box 153
Roslyn, SD 57261

KS:ms

4-351

RECEIVED 29 Sep 86

Sept 17, 1986

Attn: Lt V. J Brown
Hanscom AFB
Mass

G3, G6

Dear Lt. Brown:

I was unable to attend the meeting at Langford due to our very Consolidated but I still want to express my opposition to the Radar site (the Construction of a Control Over the Horizon Back scatter Radar system). I can't seeing the purpose of this system being located there and taking this land and making it tax free when this area depends solely on taxes to support our schools and our small towns. We just got through fighting the Mandan lines and now we have this threat upon us. Why this area? It seems like similar of protecting the farmers to keep them on the farm like a big battle to stay on the job of producing food for our nation. There is also a historical site, Governor Sheldons farm that we intend to protect. Respectfully Yours
Edna Wagner

166

Houghton, S. D.
September 17, 1986

Lt. Gail Brown
MIRE Corp.

Dear Lt. Brown:

I am enclosing the maps of the South Dakota land for the Radar installation which I talked you about. The one map is a detail map of Brainard Township, Brown County, South Dakota. The second one is a South Dakota map, to show you where it is located within the state.

If this property would meet your criteria, I am sure we could work out the details without any trouble.

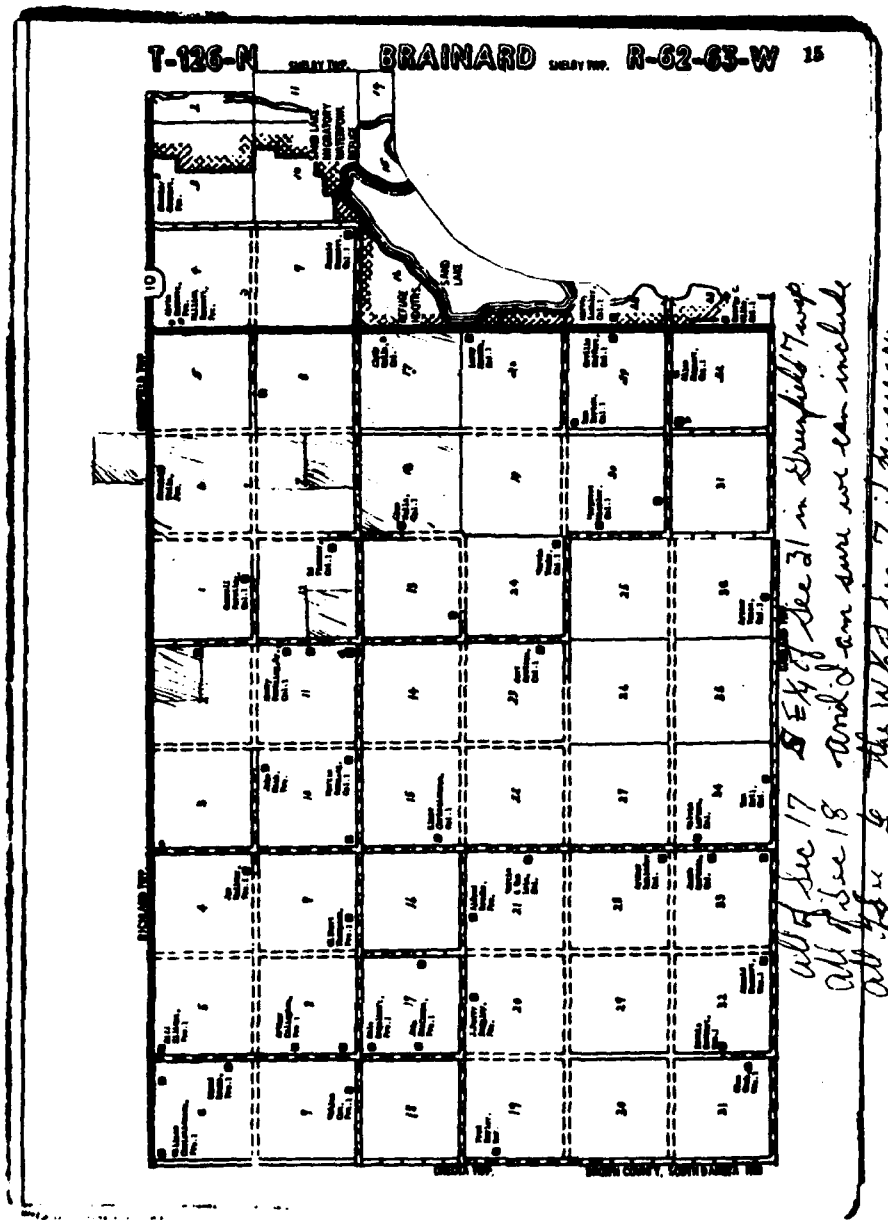
I will appreciate hearing from you.

Sincerely

Harold Wells
Box 29
Houghton, S. D. 57449

Telephone 605 885-6376

4-352





The X marks the location of the land

RECEIVED
OCT 1 1986

Sept. 23, 1986

Lt. W. J. Brown
U.S. Air Force
Dear Sir,

I wish to sell my 160 acre farm to the U.S. Air Force, for the Central Radar System, in the Langford, Claremont, Lenhart area.
Location Farmington Twp. Day Co. S.D.
S.E. ¼ - 12 - 124 N - 59 - W
The Government already owns the W. ½ of 12 by way of F.H.A.
Sorry, I couldn't attend the meeting at Langford. I'm strongly for the Project.

Thank you

Tom W. Jones Sr.
Langford S. Dak.
R.R. - 1 - Box - 53
57454

RESOLUTION # ____ G4, G6

WHEREAS, the United States Air Force is proposing to construct the Central Radar System; and

WHEREAS, one potential location for the Central Radar System includes portions of Brown, Day, and Marshall Counties, South Dakota; and

WHEREAS, the construction of the Central Radar System involves taking approximately 2,400 acres of land out of agricultural production and off the tax rolls if land is sold to the United States Air Force for the Central Radar System; and

WHEREAS, Marshall County is interested in maintaining the tax base in order to provide services to County residents; and

WHEREAS, County governments in South Dakota have limited authority to raise revenues and are largely dependent upon property taxes;

NOW, THEREFORE, BE IT RESOLVED that Marshall County requests the United States Air Force to consider leasing land for the Central Radar System so that the County's tax base may be maintained, unless it is the desire of affected property owners to sell their property to the United States Air Force for the Central Radar System.

George Hanson
George Hanson, Chairman
Marshall County Commission

ATTEST:

Marion Cusick
Marion Cusick, County Auditor

4-354

G6

Lt. V. G. Brown
ESD-SCO
Hanscom AFB, MA 01731

Sept. 29, 1986

Re: Amherst Transmit Site for OTH-B Radar

Dear Lt. Brown,

I was unable to attend the hearing held in Langford because of scheduling problems, but did want to forward my comments and express my concerns.

The proposed site includes my home farm site, now owned by my brother and myself, but he lives in Wisc. so wasn't able to attend the hearing either. Our land is in sec. 22, Day county. I have just received and reviewed a copy of the analysis that was provided that night, and found it very complete.

My main opposition is indeed selfish: I do not want to lose this land and all the benefits from being a land owner. In addition, my next concern is in regard to the the environmental impact, especially on the wildlife in the area. The Sand Lake Refuge is in the major flyway, but your study seems to avoid the importance of that on the area. Our farm was always used as a feeding ground by birds using that flyway, and I would think this would cause significant interference with the proposed system. Hunting was at its peak when I grew up in that area, and I would like to seem some efforts to restore that instead of hinder it. Also, if you take all of that proposed area out of production, you will create a desert like void in that area that will have a profound negative impact on the surrounding area for years to come. Our farmers are having enough problems now, lets not contribute anymore.

I am opposed to the proposed site, and am not willing to sell my land for such purposes.

Thank you for the opportunity to express my concerns,

Sincerely,

Kathy Cavanaugh
Box 221
DeGraff, MN 56233

September 21,1986

Lt. Brown
ESD/SCO
Hanscom AFB
Bedford, MA 01731

References: Over the Horizon Back Scatter Radar Project

Subject: Site Proposal in Brown County, South Dakota

Dear Lt. Brown:

From a recent article in the Aberdeen American News, we became aware of the Government's search for a site for the location of a radar system. The article indicated that a search was being made in Brown County for a 2400 acre location. As the owner of a contiguous parcel with over 3500 acres, I wish to submit it for your consideration.

The parcel is located approximately 17 miles northwest of Aberdeen along the western border of Brown County. This is shown on the attached reference maps. The property consists of crop and pasture land that is basically flat, with the only topographical feature being a slight elevation change where a creek bed runs across part of the property. There is a farm house with storage buildings located towards the center of the property with two other storage buildings located to west of the house approximately one mile away. Water is available from three artesian wells with one located by the farm house and each remote storage building.

Access is by county roads along the majority of the boundaries, with the surfaces being all weather gravel except for the eastern and northern approaches which are asphalt. For the purpose of controlling travel through the property, the road that runs East/West through the property could be potentially eliminated as it has no outside land owners bordering the road. The people to the west have access from other routes.

The property is available at the price of $ 00.00 per acre, which represents the average selling price of a combination of crop and pasture land. Any or all of the 3520 acres is available and we would entertain counter offers.

If you have questions or require additional information, please do not hesitate to contact me.

Sincerely,

Linda L. Steele

Linda L. Steele

1312 N. Arch Street
Aberdeen, SD 57401
Home (605) 226-0632

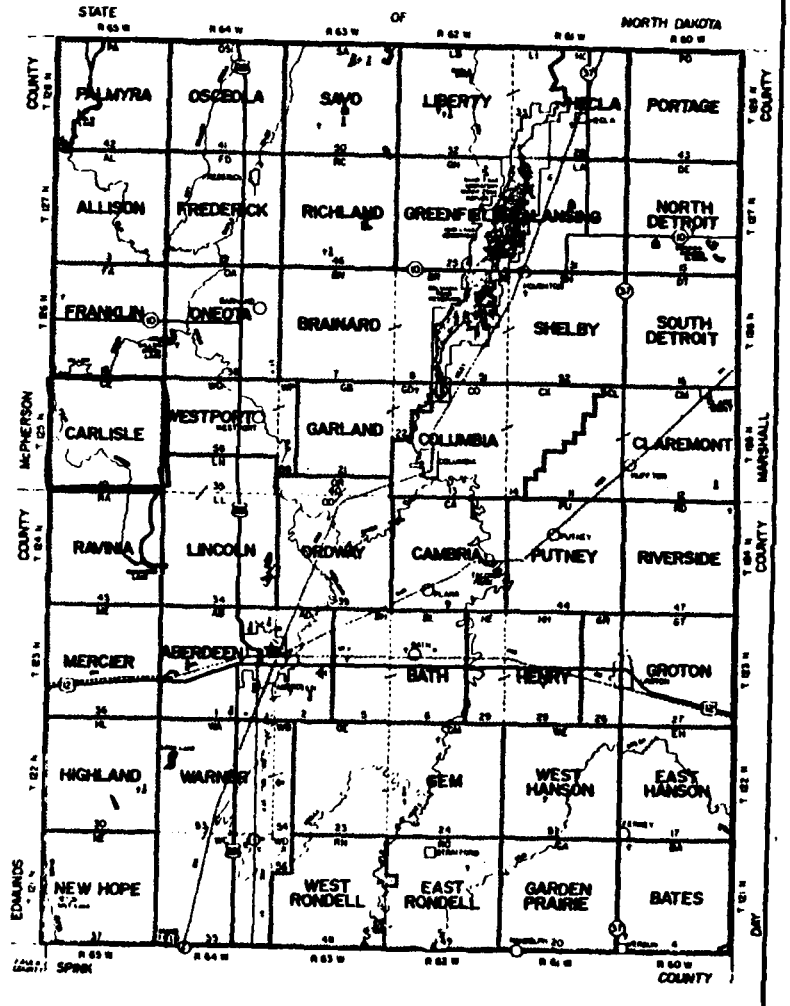
4-355

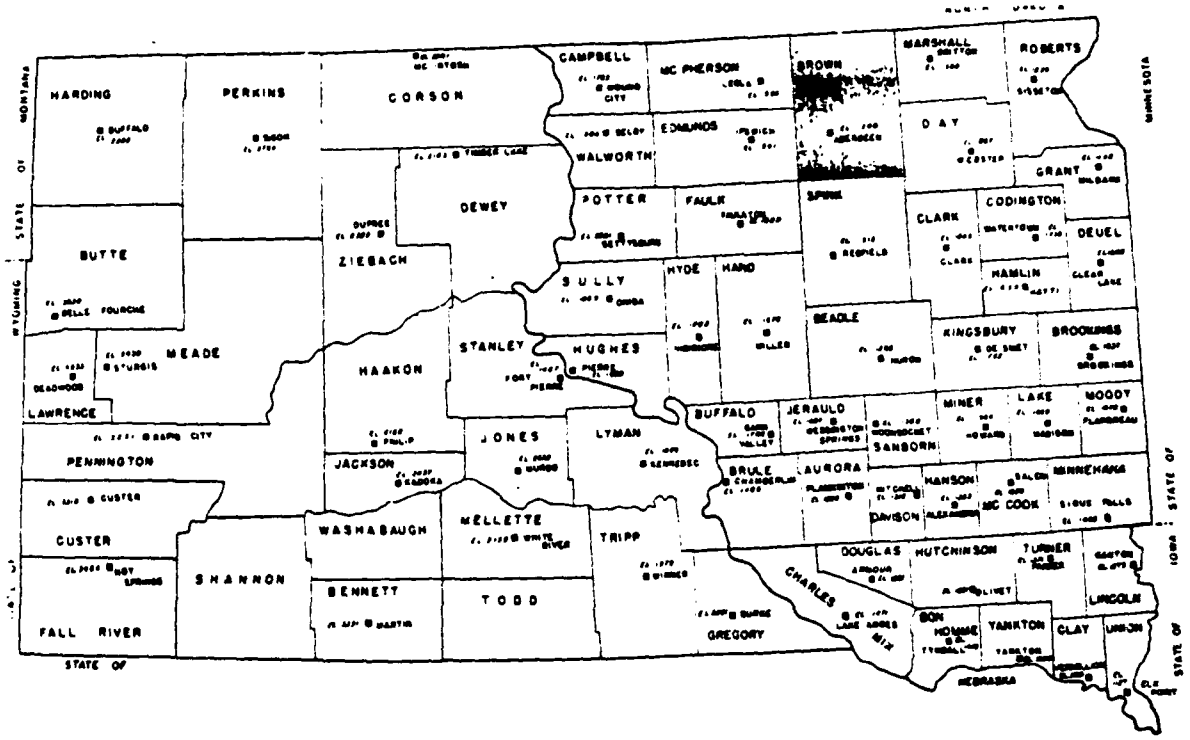
# SOUTH DAKOTA

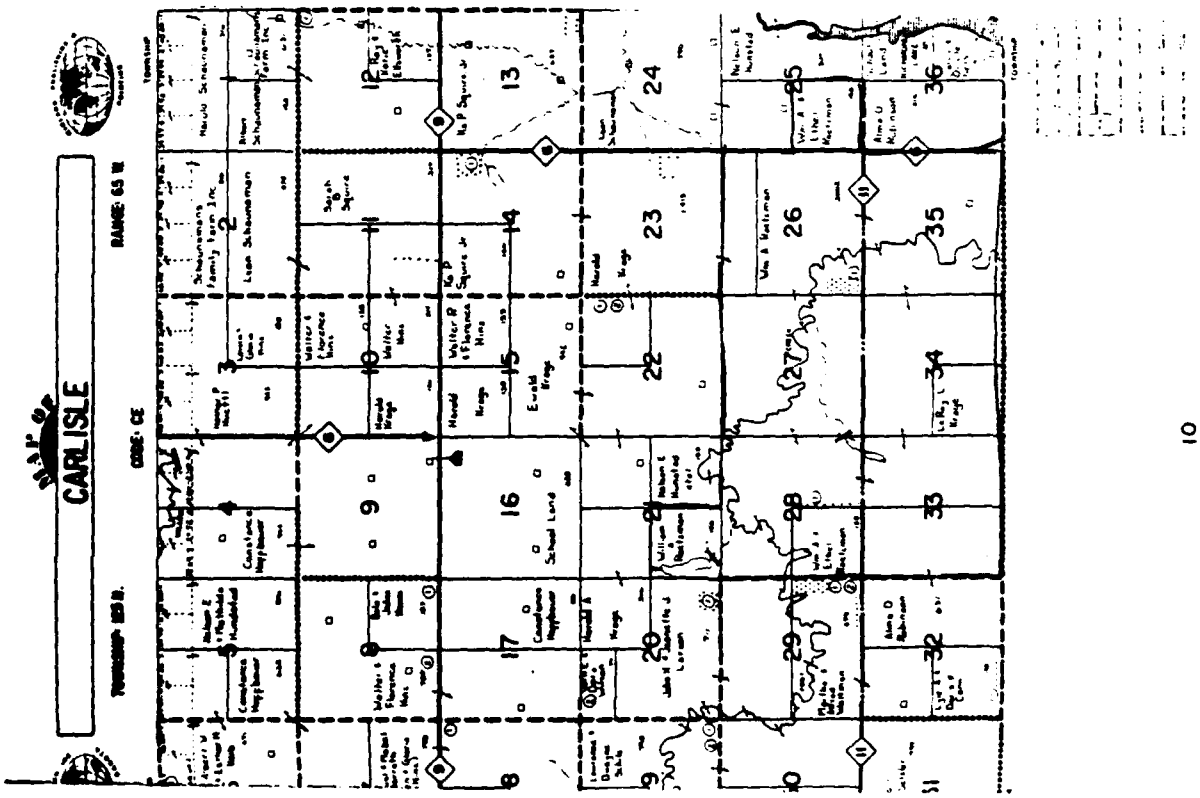
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**MIDLAND ATLAS COMPANY, INC.**
MILBANK, SOUTH DAKOTA

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MAP INDEX: Page Numbers and Code Letters are listed with Townships.




HARDING
PERKINS
CORSON
CAMPBELL
MC PHERSON
BROWN
MARSHALL
ROBERTS
WALWORTH
EDMUNDS
DAY
GRANT
DEWEY
POTTER
FAULK
SPINK
CLARK
CODINGTON
BUTTE
ZIEBACH
DUEL
HAMLIN
SULLY
HYDE
HAND
BEADLE
KINGSBURY
BROOKINGS
MEADE
HAAKON
STANLEY
HUGHES
LAWRENCE
BUFFALO
JERAULD
MINER
LAKE
MOODY
SANBORN
PENNINGTON
JONES
LYMAN
JACKSON
BRULE
AURORA
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MINNEHAHA
DAVISON
MC COOK
CUSTER
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MELLETTE
TRIPP
DOUGLAS
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BENNETT
TODD
CHARLES
MIX
BON HOMME
YANKTON
CLAY
UNION
FALL RIVER
GREGORY
NEBRASKA
STATE OF


CARLISLE
TOWNSHIP 103 N.
RANGE 65 W
CODE: CE
10

RECEIVED
SEP 30 1986

Webster, S. Dak.
Sept, 27, 1986

Lt. V. G. Brown, ESD-SCO
Hanscom AFB,
MA 01731

Dear Sir,

We were unable to attend the meeting held at Langford. We have 1 quarter of land in N. W14 in Newport Twp.

If this is accepted for radar, we would prefer to lease it instead of selling.

Yours truly,
Ruby Lamberton

P.S. This carries a lease for 1986-87.



NORTHEAST COUNCIL OF GOVERNMENTS

SERVING LOCAL UNITS OF GOVERNMENT
Planning • Technical Assistance • Project Packaging • Data Source

405 8th Ave. NW - Suite 201 Berkshire Plaza - Aberdeen, SD 57401 (605) 229-4740

RECEIVED

FILED
SEP 19 1986
MAVIS WIK
COUNTY AUDITOR

TO: Day County Commission

FROM: Becky Johnston, Executive Director

RE: Resolution on leasing land for the Central Radar System

DATE: September 18, 1986

The US Air Force held a public hearing on the Central Radar System in Langford on September 11, 1986. The public hearing reviewed the Draft Environmental Impact Statement for the proposed Central Radar System. South Dakota Representative Kent Frerichs, District 1, suggested that counties affected by the proposed construction of the Central Radar System consider adopting a resolution supporting leasing land that may be required for the proposed radar site. As some of you may recall, the Air Force has indicated that there would be no payment in lieu of taxes if land is sold to the US Government for this proposed system. By leasing the land, the County would be able to maintain their tax base.

I have enclosed two resolutions for your review and consideration. One resolution addresses leasing as the preferred option and the other resolution indicates that leasing is preferred UNLESS it is the desire of the individual property owner to sell their property to the US Air Force.

If the County wishes to support either of these resolutions, they must be submitted to the address listed below before October 6, 1986 for consideration by the Air Force.

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attn: Lt V. G. Brown
Hanscom AFB, MA 01731-5000

Please contact me if you should have any questions.

Thank you.

Chairman, Ray Forkel — Vice Chairman, George Hanson — Sec. Treasurer, Floyd Gjernes — Executive Director, Becky Johnston

G4, G6

RESOLUTION # 2c

WHEREAS, the United States Air Force is proposing to construct the Central Radar System; and

WHEREAS, one potential location for the Central Radar System includes portions of Brown, Day, and Marshall Counties, South Dakota; and

WHEREAS, the construction of the Central Radar System involves taking approximately 2,400 acres of land out of agricultural production and off the tax rolls if land is sold to the United States Air Force for the Central Radar System; and

WHEREAS, Day County is interested in maintaining the tax base in order to provide services to County residents; and

WHEREAS, County governments in South Dakota have limited authority to raise revenues and are largely dependent upon property taxes;

NOW, THEREFORE, BE IT RESOLVED that Day County requests the United States Air Force to consider leasing land for the Central Radar System so that the County's tax base may be maintained, unless it is the desire of affected property owners to sell their property to the United States Air Force for the Central Radar System.

Arnold Anderson, Chairman
Day County Commission

ATTEST:

Mavis Wik, County Auditor

4-358

RECEIVED
OCT 06 1986

September 29, 1986

G6, G7

Lt. V. G. Brown
HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

We as Weston Township supervisors feel that you overlooked the economic impact of increased traffic on township roads when compiling the Environmental Impact Analysis Process (Draft Environmental Impact Statement - Proposed Central Radar System - Over-the-Horizon Backscatter Radar Program - August 1986). We are currently operating with insufficient funds and our mil-levy is at the highest limit under law. The increase of traffic on our township roads and the resulting maintenance of those roads will cause an extra financial burden on our township. A small annual fee to offset that burden, on a per-mile basis, should only be fair and would provide good public relations. It is not fair that a few people should be taxed to provide maintenance of roads for a system that benefits all the citizens of the nation.

We realize that you will build the necessary roads to and for the radar site and only are addressing the problem of maintenance of those roads under township jurisdiction after construction is completed

Again, we feel that the impact study has not addressed the burden of extra maintenance due to increased traffic on township roads. Please address this issue in your study. Thank you.

Sincerely yours,

WESTON TOWNSHIP SUPERVISORS
R. R. #1, Box 72
Claremont, SD 57432

Richard Symens, Chairman
Richard Symens

Burton Rademacher
Burton Rademacher

Larry Nolan
Larry Nolan

LGN:do

RECEIVED
7068

September 30, 1986

G6, G7

Lt. V. G. Brown
HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

We as Farmington Township supervisors, feel that you overlooked the economic impact of increased traffic on township roads when compiling the Environmental Impact Analysis Process (Draft Environmental Impact Statement - Proposed Central Radar System - Over-the-Horizon Backscatter Radar Program - August 1986). We are currently operating with insufficient funds and our mill levy is at the highest limit under law. The increase of traffic on our township roads and the resulting maintenance of those roads will cause an extra financial burden on our township. A small annual fee to offset that burden, on a per-mile basis, should only be fair and would provide good public relations. It is <u>not</u> fair that a few people should be taxed to provide maintenance of roads for a system that benefits all the citizens of the nation.

We realize that you will build the necessary roads to and from the radar site and only are addressing the problem of maintenance of those roads under township jurisdiction after construction is completed.

Again, we feel that the impact study has not addressed the burden of extra maintenance due to increased traffic on township roads. Please address this issue in your study. Thank you.

Sincerely yours,

FARMINGTON TOWNSHIP SUPERVISORS

Milo Olson

Milo Olson, Chairman  Orville Holler  Jim Torguson

MLO:co

4-359

PHILIP W. MORGAN
ATTORNEY AT LAW
788 - 7TH STREET
BRITTON, SOUTH DAKOTA 57430

HAMILTON BUILDING
POST OFFICE BOX 801

AREA CODE 605
PHONE 448-5283

RECEIVED
OCT 16 1986

October 6, 1986

Lt. V. G. Brown, USAF
ESD-SCO, Hanscom Air Force
Base, MA 01731

Dear Lt. Brown:

I am writing to you on behalf of Garrett Farms, Inc., a small South Dakota family farm corporation that owns 320 acres in Section 27, Township 125N, Range 59 West, Marshall County, South Dakota. The southwest corner of the land lies four miles due west of Langford, SD on Highway 16. (I am enclosing a copy of the Newport Township map which more clearly indicates the location.)

Garrett Farms, Inc. is interested in either selling or leasing their land for the radar site. The price would have to be negotiated and, if leased, the length of time as well. Also, it would have to be determined as to what would be done with the facility if located on the Garrett land when the lease terminated.

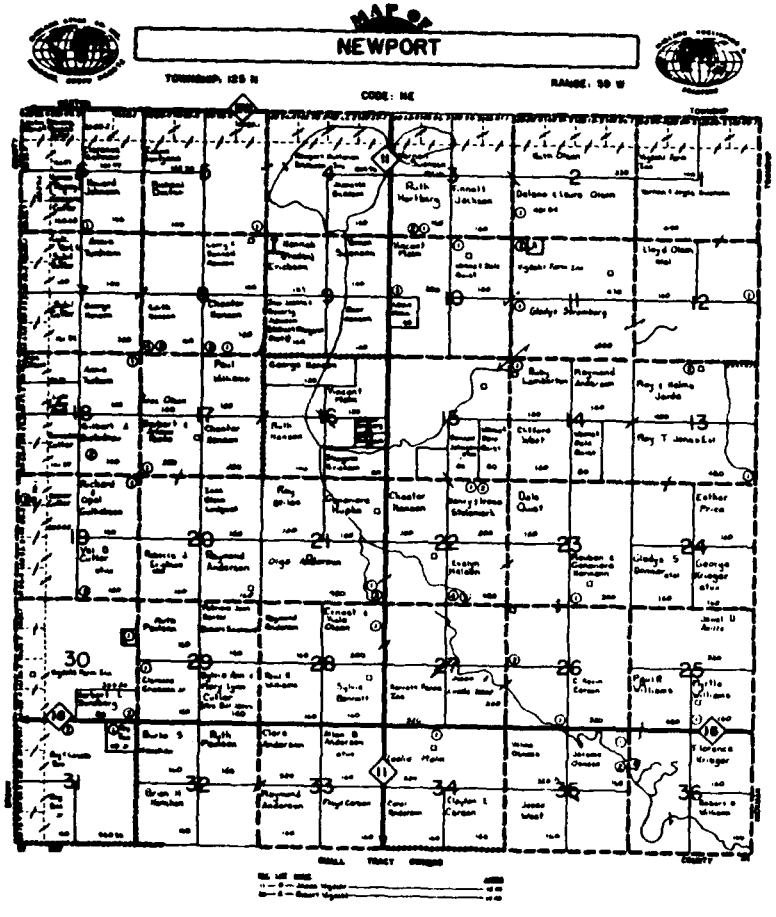
In general, however, Garrett Farms, Inc. is interested in working with you in this regard. As you will note their land lies in the general proximity of what has been described as at least one of the sites that you are interested in from your meeting that Colonel Lee held in Langford, SD a few weeks ago. We look forward to hearing from you in this regard. Please either contact my office or Mrs. Bonnie Thompson, President of Garrett Farms, Inc., who can be reached at P.O. Box 497, Britton, SD 57430 (605-448-5863).

Thank you. I remain,

Cordially,

Philip W. Morgan

PWM/mk
Enclosure
cc: Mrs. Bonnie Thompson




4-360

To H.Q. Electronics Sys. Div./SCO
OTH-B Systems Program Office
Attn, Lt Gale Brown
Hanscom AFB, Ma. 01731-5000

RECEIVED 21 OCT 86

Wilmer Bros. Inc.
P. O. BOX G
BRITTON, S. D. 57430

DATE 10/13/86 SUBJECT OTH-B Radar Langford S.D. Area,

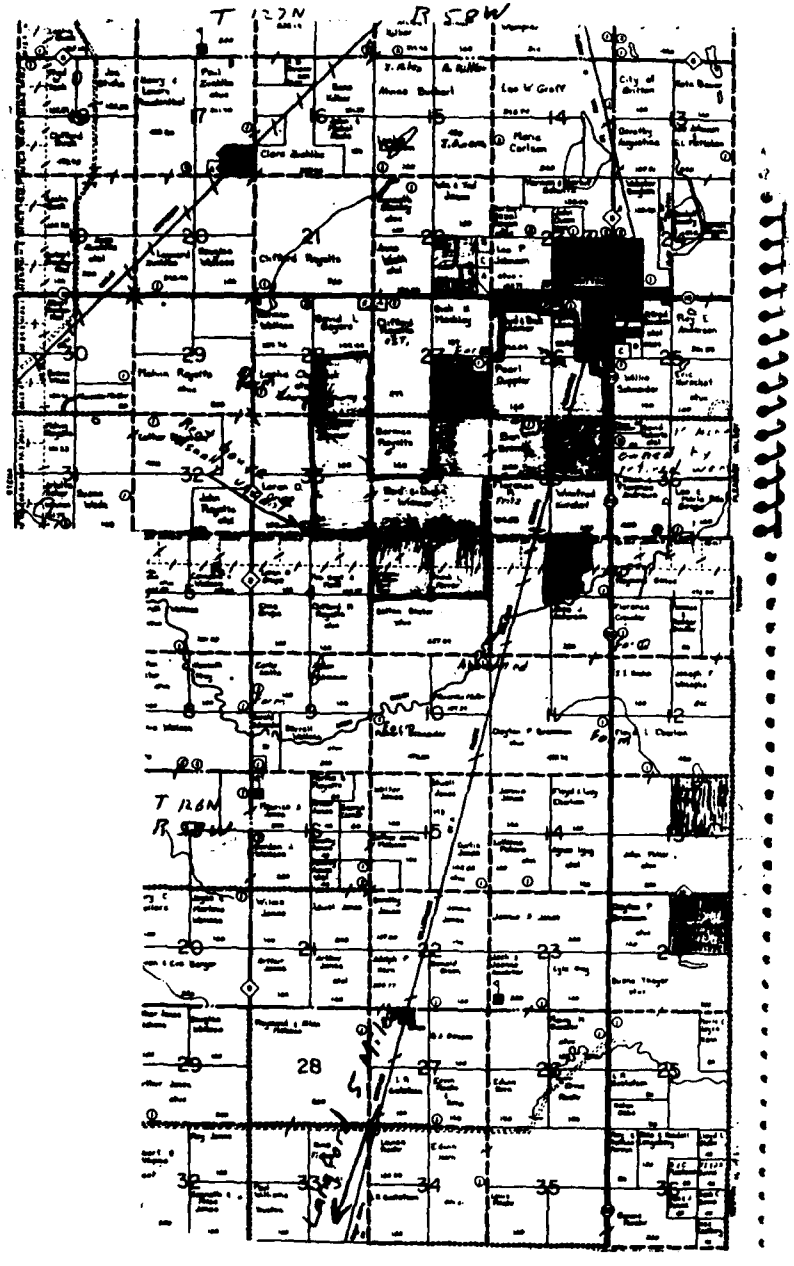
Dear Lt. Brown, Just so you have more choices, the enclosed plat shows our land outlined in red. the adjoining land is mostly rented from estates or out of state owners and should be easily aquired. Except for the one rental house in section 33, there are no farms in a 2½ x 2½ mile square. there are grain bins but they can be moved, the land is flat with temporary potholes.

Our land would be for sale or lease but we would prefer a lease arrangement on any part.

Yours truly,

Richard Wilmer

KWIR MEMO






RECEIVED
R2100.80D

2020 Stirling Street
Rapid City, SD 57702
17 October 1986

OTH-B Central Radar System
Lt. U. G. Brown, CSD-5CO
Hanscom AFB, MA 01731

G3

Dear Lt. Brown,

I am writing in regard to the Over-the-Horizon Backscatter Radar system transmitter site proposed for northeastern South Dakota.

I own land in Newport Township and this is part of that proposed site.

My land is Section 34 125 59, 160 Acres, Newport Township, Marshall County, Langford School District. My brother, Floyd Carsonis buying from me the 160 Acres next to the above land. This is an inheritance from my father and also an old homestead that belonged in the family.

This is some of the best land in South Dakota. I'm patriotic but I don't like to see this good land taken for the radar site.

Please consider my objection.

Very sincerely,

G. Carol Anderson

G. Carol Anderson
2020 Stirling Street
Rapid City, SD 57702

Copies:

Mr. Floyd A. Carson, Langford, South Dakota
R. 1, Box 12, 57454

Mr. Jim Wigdahl, Langford, South Dakota
RR 57454

N2300 86

October 17,1986

G4, G6

HQ Electronic Systems Division/SCO
OTH-B Systems Program Ofice
Attn: Lt. V.G. Brown
Hanscom AFB, MA 01731-5000

RE: Support for Selection of the Amherst Study Area as the OTH-B Transmit Site

To Whom It May Concern:

The Northeast Economic Development Association (NEDA) was established in March, 1985 and incorporated as a regional economic development organization in June, 1986. Membership in NEDA is granted to any dues-paying city or town in northeastern South Dakota and each community is given the opportunity to be represented at NEDA's meetings. Presently, NEDA represents nineteen (19) communities located in the nine (9) northeastern South Dakota counties of Brown, Clark, Day, Edmunds, Faulk, McPherson, Marshall, Roberts and Spink. Community representatives to the corporation include elected officials, members of local development corporations, Chambers of Commerce and Commercial Clubs, as well as interested citizens willing to get involved in the economic development process.

NEDA's purpose is to strengthen the economic base of northeast South Dakota by encouraging economic growth and development through promotion, education and the sharing of information relative to that growth and development. NEDA will also address and comment on issues which it deems economically important to our region. Thus, we feel it is within the scope of our organization to comment on the Over-The-Horizon Backscatter Radar System's Draft Environmental Impact Statement.

Based on the information presented at the public hearing held at Langford, South Dakota, and from the information published by the United States Air Force, the comments made herein assume the following to be true concerning the OTH-B System:

1. Construction employment would average approximately 100 people during the five-year construction period. Construction would fluctuate from fifty (50) people in the initial and final construction phases, to about two hundred fifty (250) people during peak construction activity.

2. Approximately thirty (30) people would be employed at the proposed site. Approximately ten (10) of these people may be non-military, locally hired individuals.







3. The OTH-B transmit site would not pose health or safety risks to local residents.

4. The necessary acreage for the OTH-B transmit site will be secured on a purchase and/or lease basis from the Amherst Study Area land owners, in the manner which will be the least disruptive to those land owners and negotiations will be conducted in "good faith."

NEDA recognizes the economic benefits the OTH-B radar site would have for our region and, by a unanimous vote at our October 15, 1986 meeting, I was directed to send this letter of encouragement and support for the selection of Amherst Study Area land for the OTH-B radar transmit site. We feel that any foreseeable problems could be minimized or eliminated if certain procedures and practices are followed.

To minimize the problem of potential revenue loss to townships and counties resulting from the removal of taxable land from the tax base, we would suggest that the land necessary for the project be leased from land owners if at all possible. Land acquisition should be pursued only after all the possibilities for leasing have been exhausted. We also suggest that the acquisition of land by condemnation be done only as a last resort to a minority of land owners involved.

It is further suggested that displaced land owners be given preference for employment at the transmit site. Skills training, if needed, could be provided by the U.S. Air Force or by State of South Dakota agencies, depending upon the type and complexity of training involved.

Finally, I would like to reaffirm NEDA's support and assistance for locating the OTH-B radar transmit site within the Amherst Study Area. Please feel free to contact me at (605)229-4740 if you have any questions or comments.

Very Cordially,

Brad Okrina
Administrator
Northeast Economic Development
Association of South Dakota
405 8th Ave N.W.
Suite 201
Aberdeen, SD 57401

Corporate Seal

Langford, South Lakota
October 9, 1986

Lt. V. J. Brown
HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

G4, G6, G7

Lear Lt. Brown;

As Newport Township Supervisors, we feel there are several economic impacts due to increased traffic on township roads that were not dealt with in the Draft Environmental Impact Statement Proposed Central Radar System Over-the Horizon Backscatter Radar Program, August 1986.

We are currently operating with a shortage of funds and a mill levy at the limit of the South Lakota law. In winters of large snowfall, the extra cost would be prohibitive. It would be absolutely necessary that a fee from the Air Force would be needed to take care of this extra cost. If 2400 acres were to be taken from this township for this purpose, it would put an additional strain on the township budget.

We feel the Impact study has not addressed this problem of road maintenance due to increased traffic on our township roads.

Also, we do not see anything mentioned about the BIA Rural Water System which was installed the past two years. Will this affect the water supply in any way?

Would the power lines for the site follow the mile Lines?

We understand that Jarrett Farms of Britton, SD, which is near our area, is willing to sell land for this purpose and it would not affect so many people.

Please address these issues in your study. Thank you.

NEWPORT TOWNSHIP SUPERVISORS,

Robert Wigdahl, Chairman — Robert A. Wigdahl

Larry Hanson — Larry E. Hanson

LeRoy Nelson — LeRoy Nelson

4-363

HQ Electronic Systems Division/SCO
OTH-B Systems Programs Office
Hanscom AFB, Ma. 01731-5000

10/6/86

G4

Dear Lt. Brown:

A concern many of us have, and one not listed, is where affected families of the radar system will move and live. Heaven forbid we destroy animal and bird habitat, but for the humans involved, it's a matter of tough luck.

I recall American history treating Indians much the same way. The native Americans were herded to wherever the government pleased, with no regard for the people involved.

Where is the added safety against the invaders, Communists, or those who do not live by the democratic code? All we're doing is building imaginary walls. Both United States and Soviet governments are capable of blowing the planet out of the solar system. What good will advance warning be if nuclear forces were unleashed? It will merely delay the inevitable.

Kind, for the democratic way of life mentioned above; the right to live where we chose is threatened. After living and working the same land for several generations, we must leave. Kind you call this a free country.

Sincerely, Becky Hardberg

NOV 3 1986

Andover & Oak.

G1, G6

Oct 25, 1986

Dear Lisa

In regard to the Central Alt-B Radar System that we are hearing so much about.

I attended the meeting in Langford & Oak. that was held one evening in the middle of Newest at 7:00 P.M. The attendance was poor mostly because of the timing but that way there is less opposition.

I requested and received a book on the Enviroment Impact Statement, which I have had to much time to study, but I want to much satisfied with what I heard in ~~Langford~~ Langford.

As far as getting people in the area to send in their Comments, if they didn't attend the meeting which many didn't because of the time of day and time of year, they don't know what to comment on.

To me I am not very interested in having it in the area, because of the taxes which will be lost and the environment impact it will have in the area. Too many unanswered questions.

Thank you

Eugene Prunty
22½ Rt 49
Andover & Oak 309-7472

October 27,1986

Lt. V.B. Brown
ESD/SCO
Hanscom AFB, MA 01731

NOV 03 1986

G3, G6, G8

Dear Lt. Brown:

In trying to describe the proposed Over-the-Horizon Backscatter Radar facility, a saying that an old army veteran told me comes to mind. There's three way to do things--the right way, the wrong way, and the military way.

Unfortunately, the military way in recent years has meant the incompetent, stupid and arrogant way. The environmental impact statement on the radar system is very inadequate and is based on the premise that what's good for the military is good for the country.

I think it's high time that you know that the American farmer is just as important as the military.
I grew up on a farm in the target section of the Langford-Amherst-Claremont area. My parents still live there. For over 100 years, my family has weathered grasshoppers, drouth, low prices, hail and six years of Ronald Reagan's plan to gut the family farm. And now the Air Force could take it away in a matter of months.

Lt. Brown, who do you think feeds all of your airmen? People like my parents and neighbors back home. How long could your airmen fight a war without food? Not long. But yet, you people feel that you can kick some of the top food producers in the country off their land with no questions asked.

You're dead wrong. There are many unanswered questions about the project. On page 3-38, you point out that the radar system will cause little damage to migratory birds in our area. Yet, on page 3-30, it appears that we are right in the migration corridor of the Central flyway. We live 15-20 miles away from Sand Lake, one of the most important resting stops on the Central Flyway. Contrary to what you say, migratory birds like geese and ducks do frequent our area in considerable numbers. I can only guess what a radar system capable of spewing out harmful radioactivity 1,800 miles in the sky could do to wildlife.

Another point--you continually state that no strong scientific evidence exists that the radar system is harmful to human health. If that's true, why do you state on page 4-42 that an exclusion fence will be constructed to prevent harm to humans and animals?

The way you've covered up the health hazard aspects is criminal. A paper written by Dr. Duane Dahlberg, a physicist at Concordia College, Morehead, MN, clearly shows this. You state that the only way microwaves can kill or harm is if they cause a temperature increase. But a large number of scientists say that microwaves can be harmful even without thermal effects. Deny it all you want, but Dahlberg points out that microwaves do affect blood chemistry. Power levels outside the radar system's fence would be above the levels that research has shown to cause chronic effects.
None of this is discussed in the impact statement.

On pages 4-31 and 4-33, you talk about the wonderful benefits that the radar system would have to the community. It's true that agriculture is on the ropes right now, and maybe the radar system would be beneficial to the community at first. But when agriculture comes back, and it will, the 2,400 acres that you wish to take out of production will put your figures to shame. If farmed, the 2,400 acres will still produce crops and be economically viable after 100 years. If the radar base is constructed, those acres will be gutted, never to serve a useful purpose again. If farmed, people will continue to live and work on that land. If you take it away, the area will be a ghost town 100 years from now. You are to be reprimanded for your short-sighted "economic" forecast.

You imply that the land will be fit to farm after the radar base is disbanded. One only has to look at a deserted missle base near Ashland, NE, to get the true picture. Deserted for several years, the base just sits there, not doing anyone any good. I can't help but wonder if that will happen if you build the radar base in the Amherst area.

Finally, the growing incompetence of the military is another reason why the radar base shouldn't be constructed. I strongly admire people who know how to manage their money. Unfortunately, the military doesn't fall into this category. You can't even buy a hammer without paying hundreds of dollars for it. I can understand that it's nice to work with those valuable hammers, but I can pick up a hammer out at K-Mart that will do the same job for only $10. The list of your wasteful projects and expenditures goes on and on.

Sincerely,

Gil Gullickson
925 2nd Avenue
Brookings, SD
57006



# JARRETT RANCHES

Roy S. Jarrett & Sons

Phone Hickory 8-6180

Britton, South Dakota



October 27, 1986

Lt. V.B. Brown
ESD-SCO
Hanscom AFB, MA 01731

RECEIVED
NOV 0 3 1986

Dear Lt. Brown:

I am writing in regards to the Over-the -Horizon Backscatter Radar system.

We have four sections less-80 acres on the Brown County and Marshall County line that might work for your project.

Section 25 and Section 36 in Portage Township, Brown County and Section 30 and Section 31 in Dayton Township, Marshall County. In other words the four sections form a square.

Northern Electric has an REA line one mile west of this unit and Lake Region has another REA line about one mile east.

No one lives in this area as it is all pasture land. A county oiled road runs on the north edge of this.

If you are interested in this unit, perhaps we can get together soon to look it over either to rent or buy which ever would work best for both of us.

Sincerely,

Donald D. Jarrett
RR 2 Box 179
Britton, SD 57430

DDJ/ss

4-366

NOV 0 3 1986

Mrs. G. Carol Anderson
2020 Stirling Street
Rapid City, SD 57702
24 October 1986

OTH-B Radar System
Lt. V. G. Brown, ESD-SCO
Hanscom AFB, MA 01731

G3, G8

Dear Lt. Brown,

I am writing in regard to the Over-the-Horizon Backscatter Radar system transmitter site proposed for north eastern South Dakota.

I own land in Newport Township, Marshall County , and this is part of that proposed site.

My land is Section 34 125 59, 160 Acres, Newport Township, Marshall County, Langford School District, South Dakota. My brother, Floyd R. Carson, a former, is lying from me the 160 Acres next to the above land. This is an inheritance from my father and also an old homestead that belongs in the family.

This is some of the best farming land in South Dakota. I'm patriotic but I don't like to see this good land taken for the radar site.

I'm also very concerned about the health hazzards from radiation because of this huge system. I know you try to say there are no health hazzards. That is the same thing that was told the soldiers who witnessed the A-bomb tests during the 1950's. The same story-line was told during the Vietnam War, when they doused thousands of our contry's young men with Agent Orange.

It seems there should be land available that is only Grasslands--which is government owned--acres and acres of it and flat land. Also other Federal land. There is land taken from farmers where payments are not made--government owned and also owned by big business. Have you investigated every source?

As Gil Gullickson, Brookings, SD 57006(also an owner of land in this area), wrote in the Langford Bugle to the Editor, quote:

"Everytime that funding is needed in Agriculture, lengthy Congressional hearings are held to determine the viability of the request. And that's the way it should be. This legislative process helps to protect the taxpayers from wasteful projects. But is this done with the Military? No way."

I am sure people have written to you about this. There is to be 2400 Acres of prime land mostly in Marshall county but also in Brown and Day counties, South Dakota.

Lt. Brown, I urge you to look for other sites and to keep this radar site from being built in north eastern South Dakota, specifically Marshall County, on agricultural land.

I certainly hope you will heed my objections,

Very sincerely,

G. Carol Anderson

G. Carol Anderson (Address above)

# City Of Britton, South Dakota

HOME OF PRAYER ROCK

Britton, South Dakota 57430

October 24, 1986

RECEIVED
NOV 03 1986

Colonel James A. Lee
HQ Electronics Systems Division
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Colonel Lee:

On behalf of the City Council and the majority of the residents of the Britton Community, I would like to go on record as favoring the selection of a South Dakota site for the OTH-B Radar System.

We urge that if it is at all possible the site be acquired by lease agreement from willing owners. The tax base of our county should be left in tact.

At the Langford hearing I indicated that land was available from a single owner five miles north of the present site boundary. I realize an environmental impact statement is involved but in light of the cost of this project, the cost of litigation and all the other problems that could result from a site involving unwilling owners, would an EIS pinpointed at a two mile square area be possible?

We extend an invitation to you and any other Air Force personnel to visit Britton. We would like to show you at least two possible sites involving owners willing to cooperate with the project. Both are within five miles of the borders of the present Amherst site.

Sincerely,

DeLores B. Henehan

DeLores B. Henehan, Mayor

DBH/ci

4-367

RECEIVED
NOV 07 1986

Vance Hemen
RR2 Box 133
Britton, SD
57430

Oct 29, 1986

Lt. U.G. Brown
ESD-SCO
Hanscom AFB
Ma 01731

G3

Dear Sir,

In regard to replacing Over the Horizan Back.scatter Radar system in the Amherst, Claremont, Langford area. This land is not a barron desert. It is quite good productive farmland, in fact, this fall there is a lot of land producing

100 to 135 bu. Corn per acre. There are surpluses, yet we need good land to feed people in good years and bad.

I would hope this radar site could be placed in a more barren unpopulated area.

Thank you

Vance Hansen
Ida Hansen



RECEIVED
NOV 17 1986

Missouri Basin
municipal power agency

November 7, 1986

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731

Dear Lt. Brown:

We understand that the U. S. Air Force is considering construction of a radar facility at Wheaton, Minnesota or Andover, South Dakota. We are an electric utility serving in the area of those two site alternatives.

I am writing to express our interest in supplying the electric power and energy requirements of this new facility. We are willing to discuss, negotiate, or bid any type of electric supply arrangement for the radar facility.

How do we go about being considered for supplying the electricity for this new radar facility?

Sincerely,

Henry J. Knapp
Engineering Manager

HJK/kle

cc: Russ Dau

Russell Dau
General Manager

Board of Directors

Earl Lathrop
Alexandria, MN
President

Allan Ross
Orange City, IA
Secretary-Treasurer

Arthur G. Gilkes
Northwood, ND

Craig Christianson
St. James, MN

Donald Halseth
Worthington, MN

Thomas Heller
Moorhead, MN

Donald Johnston
Pipestone, SD

Craig Oswald
Brookings, SD

David Poggett
Pierre, SD

Brad Ross
Denison, IA

Harold Schnitkind
Sioux Center, IA

Greg Severson
Detroit Lakes, MN

R. P. Swanson
Watertown, SD

RECEIVED
NOV 17 1986

G3, G6

Langford, S. Dak

Radar System

In regards to the Over the Horizon Back-scatter Radar System - over the horizon of Langford, Claremont & Amherst Area - which includes us. Why does this have to be put on good farm land, when there is plenty of waste land in the State. Do you realize what all we pay taxes on our land - to feed, and shoot. There is day after day what is about to happen and to the future of the generations to come.

Mr. Dak seems to be labeled as a place to dump Nuclear waste products, and such as which they are originated. Mr. Fish & Game sounds like they have the right to land where they want to grow dog weeds, for homes for rodents & wild animals that feed off our land. Woodlots, acres and acres off our land. What next & Other means to consuming our farm land? Who can we get to stop all the taxes that keep us broke etc going?

Country putting yourself on our plate?
An American farm, Concerned Citizen
Mr. George Dawes

4-369

RECEIVED
11-18-86

1722 Melody Lane
Aberdeen, SD 57401

November 12, 1986

Colonel Jim Lee
ESD/SCO
Hanscom AFB, MA 01731

Dear Colonel Lee:

The following is a list of questions concerning the proposed Central OTH-B Radar System. I am especially interested in the Amherst transmit area located in northeastern South Dakota. I plan to use your answers to better inform my organization, the South Dakota Engineering Society, which I am president of the Northeast Chapter, and also to inform any other person or group. I ask that you be explicit and thorough.

Thank you for your time and consideration. The questions are attached.

Sincerely,

Roy A. Pulfrey

Roy A. Pulfrey P.E.

cc: Honorable Thomas Daschle, U. S. Congressman, Aberdeen, SD
James A. Wigdahl, Langford, SD

1. Is it certain that the Central OTH-B system will be built? How is the funding handled? Does it need legislative approval?

2. Is this system an interim until another proposed system is developed or will this system be permanent?

3. Why do the transmit and receive sites have to be apart from each other?

4. What were the main criteria used for choosing the initial four proposed transmit areas? Why is each proposed area shaped differently from the others?

5. What will be the criteria used to determine the final location of the transmit site?

6. What will be the sequence of events involved in land acquisitions? Will leasing be considered?

7. Will land purchase or lease agreements have time limits? Will there be provisions in purchase contracts which dictate resale prices and to whom the land will be offered for resale at the time of decommissioning?

8. How, if at all, will the Government mitigate the loss of tax base caused by sales of local land to the Government?

9. What will local persons have to do to compete for jobs generated by construction and operation of the transmit site? What will be the nature of those jobs? How long will the jobs last? What kind of pay ranges can be expected?

10. Will the surrounding areas be continually monitored for levels of radiation? Will this information be public?

11. What if the *ANSI* standards for radiation such as that produced by the transmit site are revised to lower levels and areas outside the exclusion fence are receiving doses above those revised levels? How will landowners and residents in those areas be compensated? What will happen if unforeseen negative environmental or health impacts occur?

12. Aerial crop spraying is widely used in the area. Pilots spend several minutes in a relatively small area while spraying. Is it possible they will be subjected to large doses of radiation or even excluded from certain areas?

13. Even though the Air Force has developed an "Operational Plan for RF Interference Avoidance," which currently implies that radio frequency disturbances can be almost completely avoided, isn't it possible that changing atmospheric conditions or enemy electronic jamming might make disturbances unavoidable? What foreseeable events would cause unavoidable disturbances? How long might those periods of unavoidable disturbance last?



14. Will purchase of electrical power by the Air Force from local utilities be a potential reason for rate hikes or power shortages for local residents? How large will transmission lines be leading to the site? At what voltage will they operate? How will the location of the lines be determined?

15. Won't this cause the area to become a potentially prime target for terrorists in peacetime and for nuclear weapons in wartime? What will the Government do to minimize these risks?

FRANK L. FARRAR
Attorney at Law

FARRAR AND SPIRY BUILDING
P. O. BOX 919
BRITTON, SOUTH DAKOTA 57430
TELEPHONE (605) 448-2275

RECEIVED
11-18-86

November 10, 1986

Lt. V. G. Brown
ESD-SCO
Hanscom AFB, MA 01731

RE: Land in Amherst, Langford, Claremont and Britton, SD for the Radar Program

Dear Lt. Brown:

Please be advised that the City of Britton is very interested in having your radar site located in our area. We wish to inform you that we will help you in every way to get it accomplished to include community and statewide environmental clearances at little or no cost to the government plus obtaining land at a very reasonable value.

Please advise whether we can be of assistance. We have many sites available for you to include the acreage that you need which should be sold on a very reasonable basis.

Please contact me if I can be of any further assistance.

Thank you.

Most sincerely,

Frank L. Farrar

Frank L. Farrar

FLF:klh

4-371

RECEIVED
20 NOV 86

G3, G4, G6, G9 Dec. 4 - 1986

Mailed letter to Farrar (So. Dakota)
We learned a few months ago that this area - Amherst, Langford, Claremont, is available to be for comm over the Varigan Backscatter (OTH-B) Radar. We are in Newport Township, so are quite concerned about this proposed project, we would like to know -

1. Can land around the proposed area be farmed? Inside the site? Use how close to it?
2. Will it be on a section of land or on part or many of another section or on a group of sections?
3. What happens to use of the building?
4. How do you decide on price per acre? Some of this prime land was bought for over $800 per acre, and is that what paid for? What happens to these farmers?
5. If leased to the Air Force, how do you base pay per acre, how much?

6. We now get very good radio and television reception. will this project interfere with our reception?

We need a lot of answers before we can accept this project.

Sincerely
Mr. & Mrs. Gilbert Gustafson
Rte. 1 Box 35
Claremont
S.D. 57432



LANGFORD, S. D.

## Letter To The Editor

October 28, 1988

Dear Editor:

"Is this radar system really vital to our national Security?" If we had a crystal ball we may be able to answer that question set forth in Gil Gullickson's letter of Oct. 7, 1988. Unfortunately, we do not have the capability of such forecasts; however, I believe we must proceed on the best information we have at the time in order to "prevent" and not have to "defend". Perhaps leasing this prime farm land would provide a better economic situation to the area by creating a few jobs to some of the people that are struggling to hold on to their farms and, at the same time, provide a detection system for any unwanted soviet provisors.

There is plenty of waste in our government circles, I certainly can agree with that; however, it is not solely in the military. Check out what has happened in the FHC program, also, the present day certificates that a few people are making fortunes on. And let us not overlook the billions going to foreign aid and, for that matter, student aid and Basic Opportunity Education Grants. There is waste but there is also some progress made.

To be certain, the families of over 600,000 military people who died defending our land in the last three years would have paid the price of hammers and toilet seats instead of the loss of loved ones. The decision to use Agent Orange was based on information from "private industry" that there was no harmful effects. Along with the fact that Navy River Patrols were suffering an 80 per cent casualty rate. Bad decisions, perhaps, but made on the best information at the time.

For myself, I'll take the radar system in this area if that's considered the best place at this time. And, I'll take a $1,200 hammer and a $700 toilet seat with a $600 roll of toilet paper for good measure if I can pound that hammer, sit on that toilet seat, and blow my nose on the toilet paper in the serenity of Langford.

As for the people in Wheaton, Minn. that are doing something to oppose the system, that's their problem!!!

Sincerely,

Sherman L. Olsen
Commissioned Warrant Officer, United States Navy, Retired
Langford, S. D.

P.S. I'll also vote to keep Memorial

RECEIVED
21 NOV 19

255 Tower St. Apt. 202
Rapid City, S.D. 57701
November 17, 1986

Lt. V. J. Brown
ESD-SCO
Hanscom AFB, MA. 01731

G3, G4

Dear Lt. Brown:

As a land owner in Newport Township, South Dakota, I am very much opposed to the proposed construction of the "Over the Horizon Backscatter Radar System" in the Amherst-Langford-Claremont area of South Dakota.

This area is one of the three farming areas of the Northwest, it would be a crime to take it out of production.

Being retired, I definitely rely on the income from this farm to help finance my retirement years.

I trust that your decision to choose this site will be negative.

Sincerely,
Florence Krieger

4-373

Faulkton, S.D.
Nov 21, 1986

28 NOV 86

Lt. V. J. Brown,

Dear Sir,

I have seen several news clips on television - concerning your search for a radar site - either in Minnesota or South Dakota.

Would you be interested in a site about 25 miles southwest of Aberdeen, S.D.?

It just so happens that my Son is 1/3 owner of 4 or 500 acres of grassland (two of the owners want to drop out this year (they started with eight owners)

I'm sure something could be worked out very easily on a lease or buy basis. This land just happens to be where you would have [illegible] community [illegible] - as the farm community is [illegible] around here.

I'm interested in looking at over - contact John F. Kiley % Geyer Feed Grain Assn. Box 36 Redfield, S.D. 57469

I got your address from Congressman Tom Daschle's office & asked for a phone no. - but they didn't have one.

Thank you for your time and attention,

Sincerely,
Lilian Kiley
402 5th
Faulkton, S.D.
57438

RECEIVED
08 DEC 86

22 Nov. 1986

Lt V. G. Brown
HSD/ SCO
Hanscom AFB, Maine
01731-5000

Sir;

I support and beg for the installation of the Over-the-Horizon Backscatter site facility in our area. As mayor of Langford, a local businessman, and a individual very much concerned about the economic health of our area, I realize what a positive impact this project would have for the depressed ag economy in our area.

As a businessman involved in the retail sale of farm equipment, I know the depressed state of agriculture in this area and am sure this project would help this area much more so than any of the other sites, beside acquisition costs being much less.

There is a great deal of support in the area for this project. A number of people who have asked questions of the project still support it for economic and national security reasons. There is also a silent majority who support it for primarily the same reasons. I have talked with many people and find this to be a verifiable statement.

Again I ask for this area to be selected as the location of the Backscatter site facility.

Bruce A. Likness

Bruce A. Likness
P.O. Box 23
Langford, S. D.
57454



G8

RECEIVED
08 DEC 86

Langford, So Dak
November 1986

Lt V G Brown

In regard to the Over the Horizon Backscatter Radar System

We do not want radar in our Community.

I can not have a microwave in our home as my husband has a pacemaker & now why should the Radar be that bad, and yet we are expected to put up with it on, or near our land. It's plain to see and should be to you that others do not want it. Don't the majority rule?

Please be concerned about our rights and wishes.

Mrs George Simons

Britton, S. Dak.
11/28/86

Lt. U. A. Brown
Hanscom, AFB, Maine

RECEIVED
04 DEC 86

Dear Lt. Brown

I endorse OTH-B Construction here in our Community. The advantages to our area far out-weigh any disadvantages in my opinion.

Our agriculture Community needs a boost in available jobs to help preserve our economy. We have a large area work force to draw from.

Our small towns are slowing breaking down, we need something soon or all of our young people will be moving to the larger cities. We do not need any more congestion in the large cities.

We hope your final decision to build the OTH-B project will be in Amherst, Langford-Claremont area.

Sincerely Yours
Clifford J Olson
Box 524 1204 4th St.
Britton, S. Dak. 57430

4-375

Sir:

This letter is in regards to the Over-the-Horizon Backscatter Radar System in the Aberdeen Langford area of South Dakota.

As a veteran, I realize the importance of defense for this great nation of ours.

I render my support for this project, and hope that along with the defensive capabilities, it will help this area economically.

The only apprehension I might have, is the effect this might have on the land, and the feelings of doubt of some farmers in the area.

All in all sir, I give my support.

Gerald J Tweeten

RECEIVED
05 DEC 86

Langford, S. D
12-28-86

Dear Sir.

I am writing you this letter to inform you that I am in support of the radar System in our area. We I have 640 Acres in the Area.

Jean B. West
Rt#1 Box 50
Langford S.D
57454

4-376

RECEIVED
08 DEC 86

November 30, 1986

HQ Electronic Systems Division
OTH-B Systems Program Office
Attn: Lt. V.G. Brown
Hanscom AFB, MA 01731

Subj: OTH-B DEIS comments

Gentlemen:

Thank you for transmitting a copy of the Central OTH-B draft EIS. From your letter, I note that comments on this document are to be mailed to you by December 8, 1986.

For the record, my brother (Clark S Bennett) and I own and farm property in Section 29 of T125N, R59W of Newport Township, Marshall County, South Dakota. This property would be within the Amherst, SD study area described in the DEIS. Our local representative is LR Gustafson, Attorney-at-law in Britton SD.

Having carefully reviewed the DEIS, we support the project as proposed, including the Amherst transmitter site. Also, we reject the other alternatives examined in the document. The "no action" alternative would be inconsistent with national security which is, after all, a fundamental priority. Other technologies such as satellite and airborne surveillance are ineffective or unreasonably expensive, or both. The only thing left is the project as proposed and we believe it should proceed.

The DEIS discusses in great detail the possible environmental and economic effects of the project. Notwithstanding the enormous bulk of these studies, we judge the potential for actual negative effects to be minimal. Given the millions and millions of flat farm acreage across the great plains, it is

4-377



inconceivable to us that the actual negative impacts of the project could be anything other than infinitesimal.

From accounts in the local South Dakota press, we note a certain level of opposition to the project among local residents. I have read such accounts with great interest to see if perhaps all the facts weren't covered in the environmental document. While the opponents seem to be quite sincere, I cannot detect any substantial reason for the controversy. This is particularly true in view of the lack of any acceptable alternatives to the project itself. We suggest that the DEIS responses be evaluated specifically as they address the proposed project and the fundamental alternatives to the project.

With respect to the specific areas proposed for transmit sites, we note from the DEIS that the Amherst area seems to have fewer environmental impacts than other areas. Presumably, the cost of mitigating such impacts would be lower. From Table 2-2, it is also clear that the Amherst area accommodates a wide range of receive sites. We suggest these points not be overlooked.

4-378

Please keep me advised of further actions involving this project and environmental document.

Jerry E Bennett
2369 Nicolas Drive
Fullerton CA 92633

cc Clark Bennett
LR Gustafson

# Town Of Langford

**Marshall County**
**Langford, South Dakota 57454**

December 2, 1986

LT V. G. Brown, ESD-SCO
Hanscom AFB, Maine 01731-5000

Dear Lieutenant Brown:

The Town Council of Langford, S.D., on behalf of the fine citizens of our community, hereby convey to you their desire and hope the site selection committee will locate the over-the-horizon backscatter radar transmitter facility in this area. This area needs and would appreciate both the short and long term economic benefits the construction and operation of this facility would bring. The vast majority of our people welcome the opportunity to do their part in the national security of this great country.

We are a fine little community with one of the best school systems in the state having a strong academic committment to the development of its students, a very good athletic program, and if you ever heard our spring or winter band concert, would say with strong conviction it was as good as any you had ever heard by the best small school in the state. The community has the lowest tax base and, owning our electric system, have low electric rates along with being serviced by a rural water system and public sewer system, that are in all lower rates than any of the surrounding communities. There are also several fine businesses in the community anchored by a financially strong, locally owned bank. We have also made a strong committment to our senior citizens with twenty low rent apartment units along with an outstanding senior citizen nutrition center. We fully realize the people involved with the facility aren't at that point in their life but it does reflect a community's desire to look after and care for all of its citizens.

Again, we ask you to select this area to locate the transmitter facility and extend to you and the people involved with the project, a welcome and an invitation to join the fine community of Langford.

Sincerely,

Bruce A. Likness
Town President
Dennis Nelson, Trustee
Montfred Liknes, Trustee
Sherman Olson, Finance Officer

RECEIVED
04 DEC 86

**LIKNESS BROS. IMPLEMENT CO.**
Phone: (605) 448-2277
Britton, South Dakota 57430

12-4-86

Lt. V.C. Brown

I would like to express my support of the proposed radar site location for our area. Although it would compete for available manpower with us, long term economic benefits for this rural community should out weigh our own considerations.

Sincerely
Kirk S. Nelson

RECEIVED
09 DEC 86

4-379

C Canmont S.D.
Dec 1, 1986

RECEIVED
09 DEC 86

Dear Lt. Brown,

I feel the site should be considered with those people that are willing to give up their land.

I myself would not wish to give up my land as it has been in the family for 53 yrs and I have a son who would like the opertunity to farm.

We only own 480 acres and 320 of it is on one section where the site is mapped out. This is where our home is and very good farming land. We also have a 45 cow dairy herd and my two children a daughter 17 and a son 13 very involved in farm and 4H program.

The farm is our whole life so we would really hate to give it up.

So, I wish the site could be considered some where else.

Sincerely
The Kenneth Frye Family.

Redmond, SD
Dec. 1, 1986

HQ Electronics System Division (AFC)
Attn: B-52 System Program Office
Hanscom AFB, MA 01731-5000

Dear Lt U.G. Brown,

G3

I definitely oppose any consideration of placing the CTH-B Radar System in the Redmond, South Dakota area.

This area has been the recreation for many of the farmers. The soil is prime for farming, several of the people have built up lovely homesteads.

Our family have worked very hard on our farm and this past year we were able to make a few improvements. What we hoped would be a long time

RECEIVED
09 DEC 86





So please consider other areas, where there is less population.

Sincerely,
and Fair
Brown County Taxpayer
and Land Owner

G6, G8

RECEIVED 10 Dec 86

Dear Lt. V. G. Brown

I am writing to you to voice my opinion on the Over the Horizon Backscatter Radar System.

I am a young farmer with a wife and two small children. I own and rent about six hundred acres and have a fifty head cow and calf pair herd. My land is all in the proposed radar area and my farm site is about in the middle of it.

I have done some research and I can't see any good benefits from this program. I don't feel are elevator small towns and townships can benefit in any way from this program. Also I could never be in favor of this program because of the health aspect of it. The radiation from this is all the time not when a CB mic is keyed or when a microwave oven is in use.

I will never willingly sell to the air force for this program. I live in Pleasant township and have talked to every residence here and they all feel the way I do.

Sincerely,
Ricky Cole & family

4-381

# City Of Britton, South Dakota

HOME OF PRAYER ROCK

RECEIVED 10 DEC 86

Britton, South Dakota 57430

December 2, 1986

Lt. V. G. Brown
ESD - SCO
Hanscom AFB, MA 01731

RE: Amherst OTH Backscatter Radar System Site

This letter is written in support of the Central OTH Backscatter Radar System being located on the Amherst site, if the land could be leased from a willing leasee. This could be accomplished just north of the original site boundary on the Jarrett land and/or within the Amherst site.

The statements by the Air Force that the site would not present health problems or land use problems during or after the life of the System were reassuring.

The economic benefit to the area would have a positive effect.

Thank you for holding a hearing in Britton.

Sincerely,

DeLores B. Henehan

DeLores B. Henehan
Mayor

Dear Sir.

RECEIVED
10 DEC 84

I am writing in behalf of my family about the proposed Radar System.

We are not in favor of it going by here it will cause the loss of our home and farm land. It seems like it would be better to go thru an area where there aren't as many people living and where the land isn't all farmed.

Mr. + Mrs Vincent Klein

Leslie Klein

4-382

RECEIVED
10 DEC 84

Rt. 1
Dec 3 1984

Dear Sir

This letter is being written in opposition to the Radar System being proposed in Northeast South Dakota.

I have a retirement Mother living very near the the area, plus 2 brothers who are farming. My Mother has lived on that farm for over 50 years.

Anyone who has not owned farm land, & been actively farming does not realize the importance of the land to those people.

Please do not locate the radar site in this area. Thank you. Kathy Dick

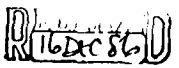
Kathy Dick
R.R. 1 Box 110
Rt. 1
Rt. 1 Box 110
Rt. 1
Rt. 1 Box 110
Rt. 1
Rt

# Britton Area Chamber of Commerce

Box 8,
Britton, South Dakota 57430
Phone (605) 448-2442

G4, G8

December 8, 1986



Lt. V. G. Brown
ESD - SCO
Hanscom A.F.B., Mass. 01731

Dear Lt. Brown:

As an organization created for the purpose of advancing the commercial, industrial, civic and general interests of the City of Britton, the Chamber of Commerce Board of Directors would, of course, like to see the proposed Radar site located as close as possible to Britton. Our major concerns are of health which we feel the Air Force has adequately answered, and the removal of farm families from their homes.

We would like to welcome you to the Britton area if the health hazards pose no greater threat than our present environment and if the land could be all leased, or if a purchase is necessary, that as few people as possible are displaced. We are concerned about the survival of the City of Britton, but not at any cost.

Thank you for the opportunity to be heard. We appreciated the Air Force coming to Britton for the recent hearing and were impressed by the professional handling of the hearing.

If we may be of service to you, please write us.

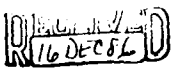
Cordially,

Terry T. Johnson

Terry T. Johnson
President
Britton Chamber of Commerce

TTJ/pr

4-383



Britton, South Dakota

Lt. V. G. Brown,
ESD - SCO.
Hanscom. A.F.B.
Maine 01731-5000

G6, G8

We have lived on this level land and in this healthy area all our lives. Many people come to this area to get away from the health hazard of large metropolian areas. Why should we want to lose our land and homes to the OTH-B over the Horizon Backscatter Radar System? It is not advisable to let a project come next door that may induce ~~not~~ health hazards to us now and in the future.

I don't believe our community will benefit in any way from this project. I

feel the people employed will not live in our rural community. The economic loss the county, townships, and schools will feel will not be gained back in anyway. There may be a gain for some in the community during the construction of the project, but that would be all.

We, a farming community, must fight every move we make in order to stay on top. We don't want to lose our homes.

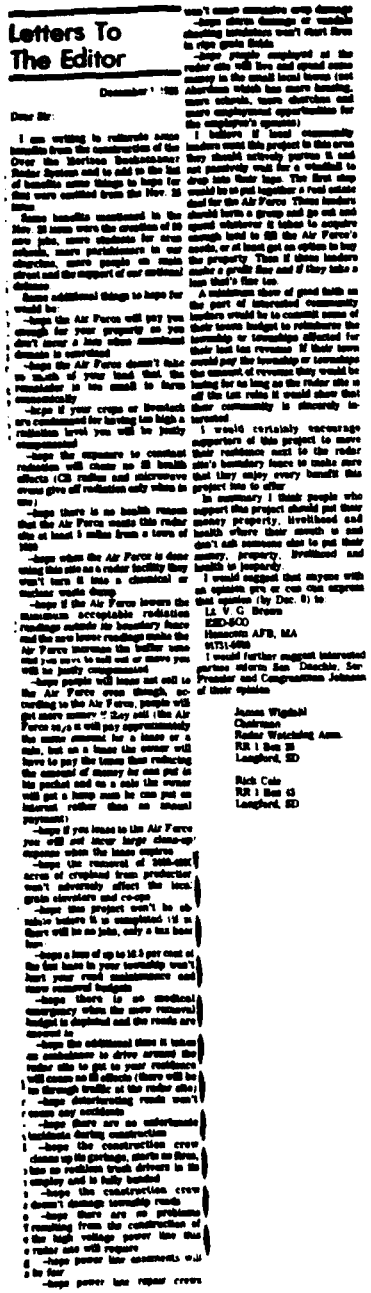
It seems as though the people who will not lose land or their homes are in favor of this project. Our forefathers came to this country and settled where because of the situations in their Homeland. Now our government will try to come in and take our land away.

4-384

and many feel there is fine. There should be a better way to gain better relationships with other countries so we don't need this project. Keep our land a healthy and happy place to live.

Mrs Suzanne (Mardy) Torgeson
R.R. #1 Box 10
Andover, So. Dak
57422

G2, G4, G6, G7, G8



Letters To The Editor

December [illegible], 1986

Dear Sir:

I am writing to reiterate some remarks from the presentation of the Over the Horizon Backscatter Radar System and to add on the list of benefits some things to hope for that were omitted from the Nov. 18 forum.

Some benefits mentioned in the July 18 issue were the creation of 60 more jobs, more students for area schools, more psychiatrists in our community, more people in small churches, more people in small stores and the support of our combined industries.

Some additional things to hope for would be:

--hope the Air Force will pay you enough for your property so you don't incur a loss when mortgage interest is considered.

--hope the Air Force doesn't take so much of your land that the remainder is too small to farm economically.

--hope if your crops or livestock are condemned for having too high a radiation level you will be justly compensated.

--hope the exposure to constant radiation will cause no ill health effects (CB radios and microwave ovens give off radiation only inches in use).

--hope there is no health reason that the Air Force wants this radar site at least 5 miles from a town of 1000.

--hope when the Air Force is done using this site as a radar facility they won't turn it into a chemical or nuclear waste dump.

--hope if the Air Force lowers the maximum acceptable radiation readings outside the boundary fence and the new lower readings make the Air Force increase the buffer zone and you have to sell out or move you will be justly compensated.

--hope people will invest and sell to the Air Force cross though, according to the Air Force, people will get more money ("they will (the Air Force says) will pay approximately the same amount for a home or a site, but on a home the owner will have to pay the taxes then reducing the amount of money he can put in his pocket and on a sale the owner will get a lump sum he can put on interest rather than an annual payment.)

--hope if you lease to the Air Force you will not incur large close-up expenses when the lease expires.

--hope the removal of 160-acres of cropland from production won't adversely affect the local grain elevators and co-ops.

--hope this project won't be an empty bonanza & is completed (it is there will be no jobs, only a tax base).

--hope a loss of up to 18.5 per cent of the tax base in your township won't hurt your road maintenance and other community funding.

--hope there is an emotional emergency when the snow removal budget is depleted and the roads are covered in

--hope the additional time it takes an ambulance to drive around the radar site to get to your residence will cause no ill effects (there will be no through traffic at the radar site).

--hope deteriorating roads won't create any accidents

--hope there are no unfortunate accidents during construction

--hope the construction crews clean up the garbage, waste an litter, take no reckless truck drivers in the employ and is fully bonded

--hope the construction crews doesn't damage township roads

--hope there are no problems resulting from the construction of the high voltage power line that a radar site will require

--hope power line easements will be fair

--hope power line repair crews won't cause problems with livestock

--hope stray damage or unsafe shooting incidences won't start fires in open fields

--hope people employed at the radar site will love and attend every church in the small local towns (and advertise which has more bowling, more schools, more churches and more employment opportunities for the employee's spouse)

I believe if local community leaders want this project to this area they should actively pursue it and not passively wait for a windfall to drop into their laps. The first step would be to get together & read carefully the Air Force Thesis leaders should form a group and go out and appeal whatever it takes to acquire enough land to fill the Air Force's needs, or at least get an option to buy the property. Then if those leaders decide it profits them and if they take a loss that's their loss.

A minimum show of good faith on the part of interested community leaders would be to commit names of their towns budget to reimburse the township or townships affected for their lost tax revenue. If their town could pay the township or townships the amount of revenue they would be losing for as long as the radar site is off the tax rolls it would show that their community is sincerely interested.

I would certainly encourage supporters of this project to move their residence until to the radar site's boundary fence to make sure that they enjoy every benefit this project has to offer.

In summary I think people who support this project should put their money, property, livelihood and health where their mouth is and don't ask someone else to put their money, property, livelihood and health in jeopardy.

I would suggest that anyone with an opinion pro or con state exactly that opinion (by Dec. 8) to

Lt. C. G. Brown
ESD-SCO
Hanscom AFB, MA
01731-5000

I would further suggest interested parties inform Sen. Daschle, Sen. Pressler and Congressman Johnson of their opinion

James Wigdahl
Chairman
Radar Watchdog Assn.
RR 1 Box 38
Langford, SD

Rich Cole
RR 1 Box 45
Langford, SD

4-385

Mrs. G. Carol Anderson
2020 Stirling Street
Rapid City, SD 57702
24 October 1986

Air Force Secretary
Edward C. Aldridge
Pentagon
Washington D.C. 20330

Dear Secretary Aldridge,

I am writing in regard to the Over-the-Horizon Backscatter Radar system transmitter site proposed for north eastern South Dakota.

I own land in Newport Township, Marshall County and this is part of that proposed site.

My land is Section 34 125 59, 160 Acres, Newport Township, Marshall County, Langford School District, South Dakota. My brother, Floyd Carson, a farmer is buying from me the 160 Acres next to the above land. This is an inheritance from my father and also an old homestead that belongs in the family.

This is some of the best farming land in South Dakota. I'm patriotic but I don't like to see this good land taken for the radar site.

I'm also very concerned about the health hazzards from radiation because of this huge system. I know you try to say there are no health hazzards. That is the same thing that was told the soldiers who witnessed the A-bomb tests during the 1950's. The same story-line was told during the Vietnam War, when they doused thousands of our country's young men with Agent Orange.

It seems there should be land available that is only Grasslands--which is government owned--acres and acres of it and flat land--not agricultural land. And the government or big business has taken land from farmers where they cannot pay. How about that land. Have you investigated every source?

As Gil Gullickson, Brookings, SD 57006 (also an owner of land in this area), wrote in the Long ford Bugle to the Editor, quote:
"Everytime that funding is needed in Agriculture, lengthy Congressional hearings are held to determine the viability of the request. And that's the way it should be. This legislative process helps to protect the taxpayers from wasteful projects. But is this done with the military? No way."

I am sure people have written to you about this. There is to be 2400Acres of prime land mostly in Marshall county but also in Brown and Day counties, South Dakota.

Sec. Aldridge, I am sure you can help to keep this radar site from being built in north eastern South Dakota, specifically Marshall County on agricultural land.

Is there other Federal land available that this Over-the-Horizon Backscatter Radar system transmitter could be built on?

I certainly will appreciate your help on this problem.
Very sincerely, (Address above) G. Carol Anderson

### 4.2.5 Northwestern Minnesota

Letters were received from:

Glenn O. Halvorson, Mayor, Warren, MN
Bob Carlson, Mayor, Thief River Falls, MN
Larry Belmont, President, Chamber of Commerce, Thief River Falls, MN
Leo A. Ruberto, Superintendent of Schools, Independent School District No. 564, Thief River Falls, MN
Kenneth Olsen, Auditor, Pennington County Board of Commissioners, Thief River Falls, MN
Roger J. Reuter, President, Jobs Incorporated, Thief River Falls, MN
D. G. Trierweiler, Manager, Engineering, Lakehead Pipe Line Co., Inc., Superior, WI
Arlan Stangeland, Member of Congress, Seventh District - Minnesota, Moorhead, MN
Floyd Hallan, Clerk, Town Board of Norden Township, Thief River Falls, MN
Donavon D. Dyrdal, Thief River Falls, MN
Mrs. Harold Kalsnes, Thief River Falls, MN
LaVerne M. Hamre, Thief River Falls, MN
Donavon D. Dyrdal, Thief River Falls, MN
Clarence H. Anderson, Chairman, Sanders Township, Thief River Falls, MN
Shelley Steva, Thief River Falls, MN
Gary L. Crown, Santa Barbara, CA
Peter Hapka, Warren, MN
John and Connie Omdahl, Warren, MN
Kenneth Olson, Auditor, Pennington County Board of Commissioners, Thief River Falls, MN
LeRoy Stumpf, State Senator, District 1, Plummer, MN
Larry and Faith Rud, Warren, MN
Ron Hinak, St. Hilaire, MN
Anton P. Rader, Thief River Falls, MN
Bruce Steiger, Red Lake Falls, MN
Charles Zammert, Euclid, MN
Mr. & Mrs. Erving Evenson, Red Lake Falls, MN
Gladys Hallstrom, Red Lake Falls, MN
Alvin and Robin Asp, Thief River Falls, MN
Clarence O. and Norma Swanson, Thief River Falls, MN
Nikki LaSorella, Minneapolis, MN
Roger J. Reuter, President, Jobs Incorporated, Thief River Falls, MN
Donovan D. Dyrdal, Thief River Falls, MN
Donald D. and Betty Lou S. Olson, Thief River Falls, MN
Charles Kruse, Thief River Falls, MN
Curtis and Marilyn Swanson, Thief River Falls, MN
Floyd Hallan, Clerk, Town Board of Norden Township, Thief River Falls, MN
Arlene Jagol, Thief River Falls, MN
Vernon and Muriel Anderson, Thief River Falls, MN
Keith Hoverstad, Thief River Falls, MN
Mr. & Mrs. Martin Solseng, Thief River Falls, MN
Mary Gierde, Angus, MN
T. E. Kenville, Consultant, Jobs Incorporated, Thief River Falls, MN
Donovan Dyrdal, Thief River Falls, MN

National Farmers Organization, Corning, Iowa
Barbara J. Johnson, Minneapolis, MN
Mr. & Mrs. Erving Evenson, Red Lake Falls, MN
Joel Nelson, Thief River Falls, MN
Donavon D. Dyrdal, Thief River Falls, MN
Mary Gjerde, Angus, MN
Beverly Hamre, Thief River Falls, MN
Harold O. Aker, Thief River Falls, MN
Erma Scholin
Mary Gjerde, Angus, MN
Dale Paulsen, Chairman, Wadena County Board of Commissioners, Wadena, MN
Tawnya Morkrid, Thief River Falls, MN

RESOLUTION

WHEREAS, the City of Warren is located within a short distance from the Thief River Falls study area and

WHEREAS, the construction of the Central Over the Horizon Backscatter Radar System would provide the possibility of new jobs in our area.

BE IT RESOLVED, that the City of Warren strongly supports the future location of the Air Force's Backscatter Radar System in the Thief River Falls area.

Glenn O. Halvorson, Mayor

Attest: Donald G. Matz, Clerk-Treasurer

4-388

MAYOR &
COUNCIL PRESIDENT
BOB CARLSON

PHONE 681-2943

**City of Thief River Falls**

MINNESOTA 56701 BOX 528

September 9, 1986

15 Sep 86

Colonel James Lee
Program Director
OTH-B Radar System
United States Air Force

Dear Colonel Lee:

The City of Thief River Falls would like to take this opportunity to reiterate our strong interest in being selected for the OTH-B Receiver facility. We believe that the Draft Environmental Impact Statement prepared for the project has substantiated that the impacts in our area are the least negative compared to the other receiver sites studied.

As you are aware, we also have a number of landowners who have expressed interest in selling or leasing their property for the proposed facilities. Compared to the other sites land acquisition costs in the Thief River Falls area should be the most competitive.

We welcome the U.S. Air Force and, obviously, the positive economic impact that the facility will have on our community. If we can be of any further assistance to you, please let us know.

Thank you,

CITY OF THIEF RIVER FALLS

Bob Carlson, Mayor

BC:ct

chamber of commerce · thief river falls

RECEIVED 15 Sep 86

August 6, 1986

Col. James Lee
Program Director
OTH-B Radar System
United States Air Force

Dear Colonel Lee:

Please, once again, be assured that the Thief River Falls Chamber of Commerce is supportive of a Pennington County Minnesota location for the Air Force's Over the Horizon - Backscatter receiver. Be assured, also, that we will do anything we can to assure a warm reception should the Thief River Falls area be selected as a receiver site. If there is anything The Chamber of Commerce, or I as an individual can do to further this effort, please don't hesitate to ask.

Sincerely,

Larry Belmont, President
Thief River Falls Chamber of Commerce

4-389

where everybody is somebody

800 line depot p.o. box 514 • thief river falls, mn. 56701 • (218) 681-3720

TRF

Superintendent
Leo A. Ruberto, Ph.D.

Assistant to the Superintendent
Frans Hamerlinck

Board of Education
Herlan Hallstrom, Chairperson
Paul Bortnem, Vice Chairperson
Greg Pribula, Clerk
Myrle Carlson, Treasurer
Maryel Anderson, Director
Archie Cameron, Director
Harry Sjutson, Director

Area Vocational Technical Institute
218-681-6699
Dr. Orley Gunderson, Director

Lincoln High School
Terry Sorre, Principal
Mike Novak, Assistant Principal
Dick Kolachever, Center School Director

Franklin Middle School
Dr. Mel Hoff, Principal
Bill Hahne, Assistant Principal

Knox & Mark Twain Elementary Schools
Glenn Espe, Principal

Northrup & Washington Elementary Schools
Bill Detrocher, Principal

Beddidge & Grenada
Jerry Prchan, Supervisor

Business Office
Harry Nelson, Manager

Community Education
Jane Mackenroth, Director

Food Services
Kathryn Kinaman, Supervisor

Transportation
Fred Myhleby, Supervisor
Ray Vigstol, Mechanics Foreman

**INDEPENDENT SCHOOL DISTRICT NO. 564**

Zeh and LaBree
Thief River Falls, Minnesota 56701
218-681-2700

RECEIVED 15 Sep 86

August 11, 1986

Colonel James Lee
Program Director
OTH-B Radar System
United States Air Force

Dear Colonel Lee,

I'm writing this letter in support of the location of the Over the Horizon-Backscatter (OTH-B) receiver site in Pennington County, Minnesota. As Superintendent of the local school district, I can assure you that our district and staff are 100% behind the location of this particular facility within our community. Our district is such a size that we could easily incorporate any new children/families into our educational program.

The Thief River Schools offers a full spectrum of educational opportunities to children from kindergarten through post-seconday vocational-technical training. We have a wide spectrum of program offerings and our students consistently show above average placement on achievement testing. We would be happy to assist any of the families in relocating within our community and in placement of their children within our schools.

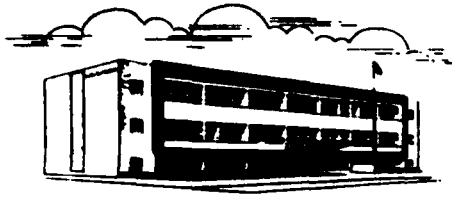
It has been my pleasure to live in the Thief River Falls community for the past six years. I have found the people here friendly and open and I feel that they are sincere in their desire to see the location of this site within our community. I strongly urge you to consider favorably our application for the location of the OTH-B site in Pennington county. If I may be of any further assistance to your selection efforts in regards to our school district or the community, please feel free to contact me.

Sincerely,

Leo A. Ruberto, Ph.D.
Superintendent of Schools

LAR/ms

*"An Equal Opportunity Employer"*



# PENNINGTON County

THIEF RIVER FALLS, MINNESOTA 56701-0816

RECEIVED
15 Sep 86

August 13, 1986

Colonel James Lee
Program Director
OTH-B Radar System
United States Air Force

Dear Sir:

The Board of Commissioners of Pennington County has gone on record as supporting the location of the OTH-B Receiver Site in Pennington County.

Sincerely,

Kenneth Olson
Auditor

4-390

"Equal Opportunity Employer"

# JOBS INCORPORATED

RECEIVED
15 Sep 86

September 10, 1986

Lt. V. G. Brown
ESD/SCO
Hanscom AFB, MA 01731-5000

RE: Written Comments - DEIS for
Proposed Central Radar System
OTH-B Program

Dear Lt. Brown:

Jobs Incorporated, the Thief River Falls' area community development corporation, would like to take this opportunity to submit the enclosed documentation in support of the selection of our area as the site for the OTH-B Receiver facility. It had been our intent to deliver and submit this information at the September 9, 1986 DEIS Hearing in Grand Forks. We decided during the course of that hearing that our goal would be better served by submitting it in the form of written comments.

Interest and support for siting of the receiver facility in Pennington County are, for the most part, high and positive. Enclosed are letters supporting the Pennington County sites from the local governmental entities, the Chamber of Commerce, State Legislators, and the Minnesota Congressional Delegation. Also enclosed are copies of Mayor Carlson's letter to Minnesota Congressmen and Senators soliciting support for FY '87 funding of the West Coast Sector.

It was nice to see you again. Please let us know if we at Jobs Incorporated can assist you in any way.

Respectfully submitted,

Roger J. Rauter
President

RJR:ct

Enclosures

Note: Mayor Carlson's letters are not included here.

PO BOX 579
THIEF RIVER FALLS,
MINNESOTA 56701
(218) 681-7387

15 Sep 86

LEROY STUMPF
Senator 1st District
Route 1 Box 17
Plummer, Minnesota 56748
and
306 State Capitol Building
St. Paul, Minnesota 55155
Phone (612) 296-8660

**Senate**
**State of Minnesota**

Dear Col. James Lee,

This letter is to express support for the proposed Thief River Falls site for the installation of the Air Force's Over The Horizon Backscatter radar installation.

I am the State Senator for District 1 which includes Kittson, Marshall, Roseau, Lake of the Woods, Pennington and Beltrami Counties. The proposed site under discusission would be within that area.

I am pleased to extend to you and the United States Air Force my full support for the selection of the Thief River Falls site for the development of the Backscatter radar installation. I have spoken with many of my constituents and their feeling about the project is positive as well.

We are people that are both concerned for our personal and our national safety. The Over the Horizon backscatter installation appears to have been found to be environmentally safe and would be welcomed in this area. I know that should this site be chosen, the quality of the civilian workforce available from this area would be a great asset to the operation.

If I can be of any assistance to you during the selection process, please feel free to call on me.

Sincerely,

LeRoy Stumpf
State Senator
District 1

COMMITTEES • Education • Agriculture and Natural Resources • Transportation • Taxes • Local Government

4-391

15 Sep 86 SEP 8 1986

ROGER D. MOE
Senator 2nd District
MAJORITY LEADER
Route 1 Box 86A
Erskine, Minnesota 56535
Phone (218) 687-3986
Room 208 State Capitol
St. Paul, Minnesota 55155
Phone (612) 296-2572

**Senate**
**State of Minnesota**

September 5, 1986

Colonel James Lee
Program Director
OTH-B Radar System
United States Air Force

Dear Colonel Lee:

The purpose of this letter is to express my strong support for the location of the OTH-B Radar Receiver Site in the Thief River Falls area. As your review has undoubtedly already discovered, the Thief River Falls community is a vibrant, hardworking community with a strong, patriotic sense.

Also, in favor of the Thief River Falls site, is its suitable land use, land value and the negligible impact the Radar Receiver will have on the surrounding environment.

I know the people of Thief River Falls will welcome the United States Air Force and the jobs this project brings. Please give them your most serious consideration.

Sincerely,

Roger D. Moe
Senate Majority Leader

RDM:amt

LAKEHEAD PIPE LINE COMPANY, INC.


119 N. 25th Street E
P.O. Box 789
Superior, Wisconsin 54880-0789
Telephone (715) 392 5611


September 5, 1986

GCD-2593

HQ Electronic Systems Division/SCO
Hanscom AFB, MA 01731

G9

Attn: Lt. V. G. Brown

Dear Sir:

We have reviewed the draft environmental impact statement for your proposed central radar system in northwestern Minnesota and offer the following comments and questions.

Based on the statement contents, it appears the radar system will not affect mobile radio systems operating outside the 5-28 Mhz range. However, we do have a mobile radio system tower located approximately three miles north of the Thief River Falls study area which transmits at 48.82 Mhz and receives at 49.36 Mhz. Will the close proximity of this tower to your proposed receiving site affect our mobile radio system? 183

We are also concerned about the effects the radar system might have on our pipeline cathodic protection system. Our pipeline consists of 18", 26" and 34" lines, and crosses the two northeastern corners of the Thief River Falls study area. Since this topic was not addressed in the statement, please advise if the radar system will affect our cathodic protection system and what steps we must take to minimize the effects. 184

If you have any questions regarding our concerns, please contact us at our convenience.

Very truly yours,

D. G. TRIEBWEILER

By _____
R. C. Tribble, P.E.

RCT/mlh
cc: Mr. T. J. Gray
Mr. D. J. Jakubek

4-392


ARLAN STANGELAND
7TH DIST., MINNESOTA

COMMITTEES
AGRICULTURE
PUBLIC WORKS AND TRANSPORTATION


# Congress of the United States
## House of Representatives
## Washington, DC 20515


OFFICES
1530 LONGWORTH HOUSE OFFICE BUILDING
WASHINGTON, DC 20515
(202) 225-2165

404 BANK BUILDING
403 CENTER AVENUE
MOORHEAD, MN 56560
(218) 233-0531

FEDERAL BUILDING
720 SAINT GERMAIN
ST. CLOUD, MN 56301
(612) 251-0740

TOLL FREE NUMBER
(IN MINNESOTA)
1-800-432-3188


September 5, 1986

James A. Lee, Colonel, USAF
Director, Conus OTH Systems Directorate
Deputy Commander for Strategic Systems
Department of the Air Force
Headquarters Electronic Systems Division (AFSC)
Hanscom Air Force Base, Massachusetts 01731

Re: Support for Horizon Backscatter Radar System
Resolution from City of Warren

Dear Colonel Lee:

The attached communication is submitted for your consideration.

If you will please advise me of your action in this matter and have the attached enclosure returned with your response to my Moorhead address, I will appreciate it.

Very truly yours,

ARLAN STANGELAND
Member of Congress
Seventh District-Minnesota

SEP 4 1986

RESOLUTION

WHEREAS, the City of Warren is located within a short distance from the Thief River Falls study area and

WHEREAS, the construction of the Central Over the Horizon Backscatter Radar System would provide the possibility of new jobs in our area.

BE IT RESOLVED, that the City of Warren strongly supports the future location of the Air Force's Backscatter Radar System in the Thief River Falls area.

Attest: Donald G. Matz
Donald G. Matz, Clerk-Treasurer

4-393

RECEIVED
SEP 29 1986

September 27, 1986

G4, G6, G7

HQ Electronic System Division/SCO
OTH-B Systems Program Office
ATTN: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

The Town Board of Norden Township, Pennington County are asked questions about OTH-B that we are unable to answer. The Number One Question is what happens to our tax base. The townships, county and school still need tax money to operate, who will pay?

What happens to the valuation of the remaining farm land?

Will all roads in the township be maintained by the Air Force or only roads within the Backscatter Project?

These are some of the questions we are at a loss to answer.

Thank you for your immediate reply and answer to these questions.

Myrl Johnson, Supervisor

Wilma Olson, Treasurer

Lloyd Howick, Supervisor

Floyd Hallan, Clerk
RR #1 Box [redacted] 67
Thief River Falls, MN 56701

Martin Solseng, Jr., Supervisor

OCT 06 1986

Donavon D. Dyrdal
RR 1, Box 216A
Thief River Falls, MN 56701

Sept. 30, 1986

HQ Electronic Systems Division/ SOD
OTH-B Systems Program Office
Attn: Lt V. O. Brown
Hanscom AFB, MA 01731-5000

RE: Proposed Site - Thief River Falls

Gentlemen:

I am writing this letter regarding the siting process for the OTH-B radar project. I do not feel that the residents of the local area, including myself, have received adequate information to support this project. Your response to the following questions would be greatly appreciated.

1. Exactly how does the Air Force plan to offset the shift in tax burden to local residents?

2. If the "offset" will include offering services, such as plowing snow and maintenance of roads, which would have to have been done by the township or county, please give me a breakdown of the employee time that the local government unit would be saving.

3. What restrictions will be made on recreational hunting or use of firearms in the area? For how many miles surrounding the radar site?

4. What restrictions will be made on the use of high tech farming practices, such as closed circuit TV [illegible]o-controled equipment, laser beams or other electronic scaring devices? How would these restrictions be related to the relative conductivity of the soil? What is the maximum number of miles for which these restrictions might be made surrounding the radar site?

5. What protection will local landowners have against any devaluation of land adjacent to the site caused by this project, such as the creation of replacement wetland areas? Will a tort claim for damages be available to owners of devalued land or businesses?

6. If the Thief River Falls site was chosen, which present roads would be destroyed? Would there be any compensation for farmers for additional transportation expenses if they farm land on both sides of the radar site?

4-394

DUPLICATE OF PAGE 4-395



7. What assurance can the Air Force give that the site would not be used for disposal of nuclear or hazardous wastes when the OTH-B project is decommissioned?

8. What assurance can the Air Force give that the radar site will not be replaced with an Extreme Low Frequency radar system, or other radar system or project which has been shown to be harmful to human and animal health or life?

9. What type of fencing material will be used for the exclusion fence?

10. What assurance can the Air Force give that this area will not be subject to expansion of the site with additional land being taken for the project?

11. Does the Air Force intend to use leased land and if so, upon what factors will these leases be based?

DUPLICATE OF PAGE 4-395

You may respond to me at:

RR 1, Box 216A
Thief River Falls, MN 56701

Sincerely,

Donavon D. Dyrdal
(218) 681-8606

DDD:djm

CC: Congressman Arlen Stangland
Senator Rudy Boschwitz
Senator Dave Durenberger
Governor Rudy Perpich
Senator LeRoy Stumpf
Representative Wallace Sparby

OCT 06 1986

Donavon D. Dyrdal
RR 1, Box 216A
Thief River Falls, MN 56701

Sept. 30, 1986

G4, G6, G7

HQ Electronic Systems Division/ SCO
OTH-B Systems Program Office
Attn: Lt V. G. Brown
Hanscom AFB, MA 01731-5000

RE: Proposed Site - Thief River Falls

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4-395



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You may respond to me at:

RR 1, Box 216A
Thief River Falls, MN 56701

Sincerely,

Donavon D. Dyrdal
(218) 681-8606

DDD:djm

CC: Congressman Arlen Stangland
Senator Rudy Boschwitz
Senator Dave Durenberger
Governor Rudy Perpich
Senator LeRoy Stumpf
Representative Wallace Sparby

Sept 28 1988

Dear Sir,

OCT 3 1988

G4, G6, G8

I live West of Thief River Falls in the proposed area for the recieve site. My husband and I have 4 Children and lived here 30 years building up our farm. We have worked very hard Paying for our farm in which we have Payed high prices for our land. If the site should be here I wonder about devaluation of our land. We have good soil here. It wouldn't be fair to People around the site to have to take less for their property after working years to build a furture here, so we can retire, or maybe one of our 3 sons or daughter would like to take over the farm.

We also have 5 Grand Children. 1 son at home, and would like to know that this farm is a safe place for them to stay & visit. I am worried about health problems for our furture generations. Also After 15 to 20 years if the site would be made into a nuclear Waste dump. What assurance do we have that it won't be a dump or that is a safe area to live in?

I also wonder how Close a family can live to this recieve site? Or

With out worring day after day about what will happen to our health & or do we just have to move out of our farm home - where it took years to establish.

There are other Questions to be asked How do we make up for loss?

What about the wild life in our area - What becomes of them?

Who will Come in and build this recieve site?

Who will be employed when the site is Completed?

Will anyone from our area be employed at the site?

How many jobs will people from our local area have at the site?

Will it be safe to farm around the recieve site?

How Close can a Person be outside the fence?

Will there be radiation close to the fence or the Path of the Antennas?

Thank you!

Mrs Donald Halvorson
Thief River Falls
Route #1 Minn.
56701

4-396

OCT 0 6 1986

Route 1 Box 161
Thief River Falls Mn. 56701
October 1, 1986

HQ Electronic System Division/SCO
OTH-B Systems Program Office
Hanscom AFB, Ma. 01731-5000

G1, G4, G5, G6, G7, G8

Attn Lt. V. G. Brown

As a Supervisor on the Numedal Town Board, and as a farm owner/ I oppose the Thief River Falls site for the Over the Horizon Backscatter Project for the following reasons

1. Tax loss to our township and an increased burden to farmers already suffering from farm economy.

2. Destruction of roads. Our township has had a difficult time getting roads improved and now we may loose what we did accomplish.

3. Inconclusive evidence regarding health issues is a main reason for my family. My wife suffers from a lot of illnesses and would be a prime victim. We constantly hear of the results of radiation to those in a particular aarea AFTER the facility is built and established. To ~~skxx~~ delve into any records substantiates this. Shouldn't the health of American citizens be the main concern to our government. It would seem that the area west of Thief River Falls isn't as populated and we are the guinea pigs. Our governor opposes the Wheaton site - why not us, but that is not your problem, and I am sure he will hear what Pennington Co. thinks of him.

4. Another reason is the future use of land when the OTH-B is decommisione We know the Department of Engery has already asked Congress for help in locating a nuclear dump site because they could not find one. It is ironic that we were also in that site for a nuclear dump. Still more ironic is that so was the Wheaton site.

5. Our farm has been in the family for over 35 years and my wife and I hope our children will carry out the tradition. The OTH-B site could put restrictions on farming practices - alteration of drainage courses - creation of new wetlands.

6. The Air Force does not want any electromagnetic interference suxh as welders for a distance of 5 to 25 miles I understand. A welder is a necessity for a farmer.

7. Will this be a low g frequency site - This of course would be dangerous to health.

8. Why were your meetings set up on an election night - Township officials like myself could not attend.

9. Just how many jobs can the Air Force guarantee for construction and after?

I realize you have a diffucult task in that no site is acceptbee to all but this is a farming area that is productive, and you will be destroying a way of life that alreidy is becoming extinct.

May I hear from you?

Respectfully

LaVerne M Himre

LaVerne M. Himre

P.S. Can we get more time to gather names for a petition.

4-397

RECEIVED
OCT 06 1988

As concened citizens, we strongly oppose THE LOCATION OF THE CTH-B (over THE Horizon - back scatter) radar project IN THE Thief River Falls study area

| NAME | Address | PHONE |
|---|---|---|
| Steve Drunch | P.O. Box 90 Chisago City mn 55013 | 257-5965 |
| Janice Perrey | 11973 306 st Lindstrom 55045 | 257-5785 |
| Mike Waldenberg | 41 NEWELL AVE 55045 | 257-6776 |
| Marc & Clay Mueller | P.O Box O Chisago City mn 55013 | 257-1828 |
| Mark Quesenka | Po Box 50 chisago City mn 55013 | 257-2431 |
| ~~Ronald Reagan~~ | ~~Washington D.C~~ | ~~1800 217 7777~~ |
| Karl Stuno | 60 Park Island Center City | |
| Debbie Quesenka | Box 50 chisago, mn | 257-2431 |
| Brad Quesenka | Box O Chisago City | 257-6816 |
| Paul Connolly | Box 232 Chisago City | |
| Tom A. Lewis | 18875 Lawndale Ave Lindstrom Mn 55045 | 257 5717 |
| Terry J Schlipp | 8530 288th St. N. Chisago City MN | 257-6218 |
| Donald O. Nairn | 16625 310th St Center City, mn 55012 | 257-6198 |
| Tim & Judy | 12295 maxwell Rd. Chisago City, MN 55013 | 257-1921 |

4-398



To the Editor:

On September 9, I presented testimony at the public hearing in Grand Forks for the proposed central radar system. I am concerned about the possible selection of the Thief River Falls site for several reasons.

The location of the radar receiving facility within the Thief River Falls area would require either the loss of productive agricultural land or the loss of wetlands and wooded areas or a combination of the two.

The loss of 2,400 acres of productive farmland would be felt primarily by the township in which it is located. I would assume that the tax burden no longer chargeable to these acres would be shifted to the other land owners in the area. At a time when local farmers are having a difficult time financially, this increased cost is potentially devastating.

The loss would be felt in a more indirect way for local businesses by a potential $360,000 loss in spendable income for farmers (40 bushels per acre of wheat at $2.50 per bushel) on an annual basis.

The loss to the area when wetlands are drained and graded is much more difficult to calculate. It is very hard to tell how changes in the drainage system will affect the surrounding farm land. The loss of many of the small wooded areas can mean increased erosion and wind damage to crops. The environmental impact statement states that one possible mitigation procedure for drained wetlands is to establish new wetlands in the surrounding area. Then new wetlands would be located on "disturbed" agricultural land.

It is not difficult to imagine the impact on the wildlife if this amount of natural habitat were lost. This part of Minnesota supports a large number of deer, moose and many species of smaller animals. This project would interrupt feeding patterns and natural trails and flight paths. It would also destroy many of the wooded areas that these animals use as shelter.

A more indirect result of this destruction would be felt in a possible decrease in the number of large game and waterfowl hunters from other parts of Minnesota coming to this area. Those who use the wetland and wooded areas for recreational hunting will probably be less likely to choose Pennington county if the feeding sites and habitat have been disrupted.

The environmental impact statement addresses the possibility of people living near the site developing health problems by saying that no long term studies have been done and no one knows what the effects might be. (page 5-5)

In the environmental impact statement (page 3-9) the statement is made that "if the land was purchased, it would be made available for other federal use," when the radar project is decommissioned. This could happen as early as twenty years from the onset of the project. The question arises as to what other federal use might be made of this land. A nuclear waste disposal site? This, too, is a federal project and the local area has heard a great deal of information recently regarding this possibility.

In the possibility that a few of the employees at the radar site might choose to live in Thief River Falls, instead of Crookston or Grand Forks, worth the risks of:

(1) Increased tax burden to local farmers;

(2) Damage to cropland and natural resources;

(3) The likelihood that in a few years the radar site would be replaced by nuclear wastes?

It also concerns me that the public hearing was held on the same night as the primary election which precluded the attendance at the hearing of many local township officers who might have expressed the concerns of the rural community. Information about the issues and distribution of copies of the environmental impact statement were not effectively done in the rural area.

I feel that it is a mistake for anyone to commit their land to this project until they are fully informed about the implications to the future of this area. Although the public hearing is over, copies of the environmental impact statement are still available. Written comments will still be received until October 6, 1988. I strongly urge people to take the time to become informed and make comments. Requests for the environmental impact statements and comments may be addressed to: HQ Electronic Systems Division/SCD, OTH-B Systems Program Office, Attn: Lt. V.G. Brown, Hanscom AFB, MA 01731-5000.

Sincerely,
s- Donavon Dyrdal
Rt. 1, Box 216A
Thief River Falls, MN 56701

Read
G1 F 16

G1, G3, G4, G5, G6, G8

As concened citizens, we strongly oppose THE LOCATION of THE OTH-B (over THE Horizon - back scatter) radar project in THE THIEF River Falls study area

| NAME | Address | PHONE |
|---|---|---|
| Tim Foster | P.O. 157 STACY MN. | 462-5506 |
| Steve Schmidt | 23023 Meadowbrook Road | 433-3714 |
| Richard C. Carl | POY 187 Chisago City | 257-2734 |

4-399

Sanders Township
Route 5, Box 56
Thief River Falls, Mn 56701

September 29, 1986

G4, G6, G8

HQ Electronic System Division/SCO
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

Dear Lt. Brown:

We the officials from Sanders Township, Pennington County, Thief River Falls, Minnesota, strongly oppose the location of the Over-The-Horizen - Backscatter Radar Project in the Thief River Falls study area.

We are concerned about the tax loss to our township and devaluation of land. This township is a farming community, and there will be restrictions on farming practices near the site area. We are concerned about the future use of the land when OTH-B is decommissioned. There is inconclusive evidence regarding health issues.

Sincerely,

SANDERS TOWNSHIP OFFICIALS

Clarence H. Anderson

Clarence H. Anderson, Chairman

Eileen Hoefer Clerk

Eileen Hoefer, Clerk

Wendell Ortloff

Wendell Ortloff, Supervisor

RECEIVED
OCT 8 6

Comment to the Environmental Impact Analysis Process – Over the Horizon Backscatter Radar Program – Central Radar System

October 1, 1986

I would like to thank the Department of the Air Force for the opportunity to comment on this Draft Environmental Impact. I will not comment much on the radar system itself, as I am not qualified to do so. I will say at this time I do think that this amount of land and its possible adverse impact is a very heavy price to pay for an extra hour of or two of warning.

I am very familiar with the Thief River Falls Study Area. I have a BS in Zoology from the University of Minnesota. I have more than a casual interest in birds also. The white lady's Slipper (Cypripidium candidum) is found within the Study area, not just South of the area as mentioned in the analysis. I located it in an Area locally known as Stray Lake (T153N, R46W, 1) Brandt Township in Polk County. There we also elk closer to the Thief River Falls Study area than this Analysis says. There is a herd of 20-30 animals approximately fifty miles to the northeast. These animals are obviously of little import to this report.

I would really like to emphasize the importance of where this radar system is located within this study area. Moose Lake WMA (Wildlife Management Area), Pembina WMA, and the adjacent wetlands are the home to many waterfowl, large numbers of game animals, and a host of rare animals like wilson's phalarope, yellow rails, Sharp-tailed Sparrows, and the greater Sandhill Crane. (There probably is no longer a viable population of greater prairie chickens, a victim of the vanishing grasslands) In addition to this the area is indeed a migration route for many species of birds. These bird species range from red-tailed hawks, to warblers, to great blue herons, to black-billed cuckoos. To put the radar system anywhere near this would cause very great disruption to a valuable migration route. To put this radar system anywhere near where it would cause a destruction of all or part of this fantastic wetland complex would be a major tragedy. If this radar system has to placed in the Thief River Falls study area at all, then let it be put in the Northwestern part of the Study area. The best area of all would be bounded in the east by the Polk County line and in the South by the gravel Rds (See Page 2-21). In that area there might be some minor benefit. There the grassland that would be planted would keep the Sandy Soils from eroding so much.

186

4-400

186

Shelley Silva
Route 4, Box 10
Thief River Falls, MN
56701

4-401

4/22/86

HQ Electronic Systems Division - SCO
OTH-B Systems Program Office
Attention: Lt V. G. Brown
Hanscom AFB, MA 01731-5000

October 1, 1986

Dear Lt. Brown:

Allow me to introduce myself and explain my interest in the OTH-B Program. I am a senior electronics engineer by occupation and a captain in the Army Reserve. This is just to let you know that I am familiar with the general concept of Over The Horizon radar and that I do have a technical and military backround.

My interest comes from the fact that I am the executor of the estate of my father Earl W. Crown, who had a Contract for Deed with a Mr. Donavan Dyrdal on a farm southwest of Thief River Falls, Minnesota. The estate is now in mediation with Mr. Dyrdal and one possible result is that my two sisters and I would acquire possession of the farm. In that event I would be interested in either selling or leasing the land. I found out about the OTH-B project and, since I cannot attend any of the public hearings back there, I am writing to express my interest and am requesting a copy of the draft E.S. any proposals developed by the Air Force regarding the purchase or lease of land.

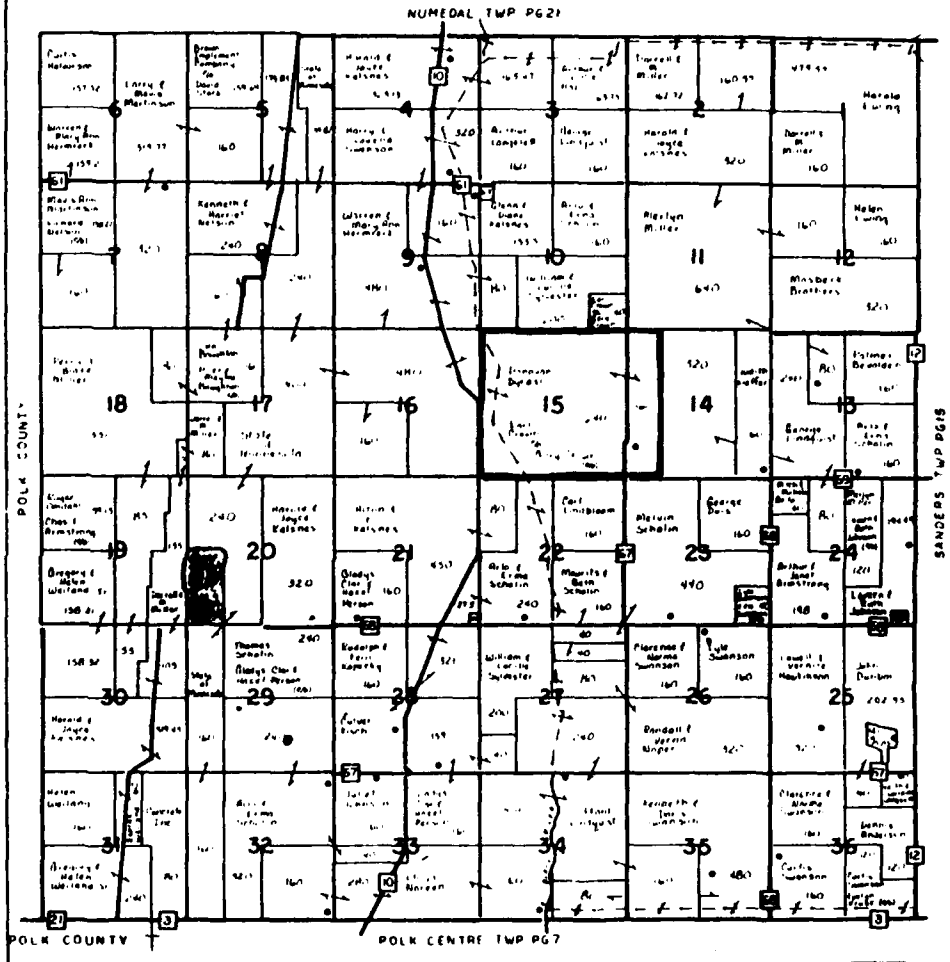
The farm is in Bray Township, Pennington County and is described as: All of Section 15 and the NW¼ of the NW¼ and the SW¼ of the NW¼ and the NW¼ of the SW¼ and the SW¼ of the SW¼ of Section 14 (See the enclosed map).

Sincerely,

Gary L. Crown

Gary L. Crown
205 Stanley Drive
Santa Barbara, California 93105

**BRAY** **T.153N. - R.45W.**




**NORTHLAND SEED & PRODUCE**
Alvin & Eleanor Dicken, Owner
Phone: 681-2420
416 Atlantic Ave No.
Thief River Falls, MN
Lawn & Garden Center
* Northrup King Seed
* Eggs & Chicks

10-1-86

Peter Hapka
Rt 2, Box 43
Warren, MN.
56762
(218)

RECEIVED
OCT 7 1986

Dear Lt Col A. Brown:
Gentlemen: G3, G4, G5, G6, G7, G9

Thankyou for the opportunity to comment on the proposed backscatter radar site west of Thief River Falls.

I am opposed to the siting of this facility at the T.R.F. site because it takes away to much good farmland and to many farmers will lose their living and have to sell out at the depressed land values we now have. I don't think the new jobs it will affect the loss of farm families evicted from their premises.

In 20 years this site may be obsolete and the land could be used for a federal nuclear waste repository and I am very much opposed to that. Can you state this will never be a nuclear waste facility?

A lot of waterfowl fly through this area on their migrations and I think this will have an adverse effect on their flyway routes and use of the waterfowl reserves nearby. Will it have any adverse effect on waterfowl deer fox and other wildlife in the area?

It's going to have an adverse effect on neighboring farms drainage and will cause flooding and crop damage. Will you guarantee drainage patterns will not be effected?

It's going to cut off roads so neighboring farmers will lose the existing access to their farmland. It's going to take a big bite out of tax income for township and county govts, we won't be able to survive with a cut in our revenues. Are you going to keep paying the local taxes on this land like the rest of us farmers have to?

Also I'm concerned about our radio telephone operation, are our phones and radios (business band) going to work, and work just as well as they are now? How about our TV reception, are we going to lose our access to news and world events through the loss of TV & radio reception?

Please do not site it here!

Sincerely
Peter Hapka

4-402
C

Mr. Mrs. John Omdahl
Route 2, Box 42
Warren, Mn. 56762
September 28, 1986

OCT 16 1986

Central Radar System - Over-The-Horizon-
Backscanner-Radar-Program
Draft Environmental Impact Statement
Attn: Lt. V. A. Brown
ESD/SCD
Hanscom AFB, Ma. 07131

G1, G2, G4, G5, G6, G7, G9

Lt. Brown:

In complying with the October 6, 1986 deadline for public response, the following are questions my wife and I have concerning the Over-The-Horizon Backscanner-Radar-Program.

Please answer with a simple Yes or No on the following questions:

1. As you know, the Dept. of Energy has designated this area west of Thief River Falls as the "NC-6" site. If you acquire this same approximate area by usurpation for your Backscanner-Radar-Program, will a portion of this become the nuclear dumpsite the DOE has sought?
Yes__ No__ 187

2. If this project is undertaken, will it become obsolete or bargained away with a treaty within a few years such as the ABM system was? Yes__ No__

3. Can you guarantee us (the nation) that this radar system will function? Yes__ No__

4. Or is this a military spending project only? Yes__ No__

5. Is this project in any way related to the Star Wars Research "SDI?" Yes__ No__

6. And will SDI make this system obsolete? Yes__ No__

The following are questions and comments. Please give a brief and specific answer to those questions and comments.

1. How many jobs will be gained versus how many people will be displaced in this specific site area by your radar program? 188

2. Does this project in any way protect us from a Soviet threat, or would our time and energy be better spent in a peaceful effort? 189

3. Can you guarantee that this radar system will not interfere with our business band/telephone operations, or other forms of communications such as television, radio, etc? 190

4. How many rural roads and drainage systems will be disrupted? 191

5. How will you reimburse the county and townships for land removed from the tax rolls? 192

6. How will this radar system affect the bird migration pattern? How will this affect the tremendous wildlife population in this area? 193

7. Why was your public hearing held on a primary election night when voters could not be at the poles and at your hearing at the same time? 194

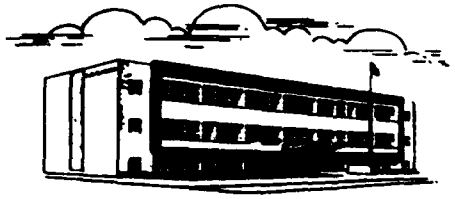
8. The U. S. budget is in such a deficit condition and getting worse daily. How can you justify spending this kind of money for a radar system that is going to tell us of incoming missiles; at that stage, what difference does it make? 195

Final comment:

Northwestern Minnesota has been bombarded in the last year first with the nuclear dump issue (which is only in a temporary state of limbo and due to resurface after the 1988 elections), then your grand plan for some radar facility, and also the upcoming lowlevel issue (Midwest Regional Compact). What is the next plan on a government scale, or private scale? Why is this area so popular? Do you feel that because agricultural areas are in economic constraints, farmers will grab up your land-buying offer? This bombardment of our area will be resisted by us. For beginners, we and others have signed a petition against this radar program. If pursued, I can assure you that you have not heard the last from us.

cc: Senator Dave Durenberger
Minnesota Public Interest Research Foundation
Mr. Don Dyrdal
File

4-403



PENNINGTON County

THIEF RIVER FALLS, MINNESOTA 56701-0616

October 15, 1986

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attn: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

RE: Proposed OTH-B Site - Thief River Falls, MN

Gentlemen:

On behalf of the Pennington County Board of Commissioners I am writing to request a speedy response to the letter dated September 30, 1986, from Don Dyrdal. The County Board would like to have a copy of this response for the October 28, 1986, Board meeting.

If a response cannot be made by this time perhaps the date for comments should again be moved back. We feel the concerns of these citizens deserve answers.

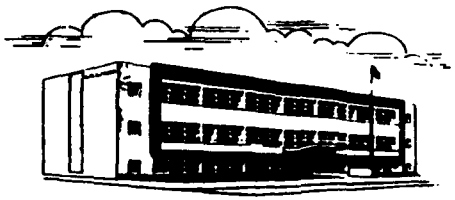
Sincerely,

Kenneth Olson
Auditor

Enc.

4-404

"Equal Opportunity Employer"



PENNINGTON County

THIEF RIVER FALLS, MINNESOTA 56701-0616

RESOLUTION

WHEREAS, a delegation of concerned citizens met with the County Board on October 14, 1986, to discuss the OTH-B radar project proposed site near Thief River Falls, MN.

WHEREAS, they have numerous concerns about the possibility of the receiver station being located in their area and have listed these concerns in their letter of September 30, 1986, to Lt. V.G. Brown, Hanscom AFB, MA.

NOW, THEREFORE, BE IT RESOLVED that the Pennington County Board send a letter to Lt. V. G. Brown requesting that these concerns be answered in time for the October 28, 1986, County Board meeting for the review of the Board.

CERTIFICATE

STATE OF MINNESOTA
COUNTY OF PENNINGTON

I, Kenneth Olson, Auditor of Pennington County, Minnesota, do hereby certify that the above is a true and correct copy of a resolution introduced by Commissioner Hoffman, duly seconded by Commissioner Swanson and unanimously adopted at the regular meeting of the Board of Commissioners held on October 14, 1986.

October 14, 1986

Kenneth Olson, Auditor

"Equal Opportunity Employer"

*LeRoy Stumpf*
*State Senator*
*District 1*
*Rt. Box 47*
*Plummer, Mn 56748*
*218-465-4274*

RECEIVED
22 OCT 86

G1

Dear General Lee,

I am writing regarding the proposed OTH-Backscatter radar project proposed near Thief River Falls, Mn. There is a growing number of local residents who have questions concerning this site. In order to adequately answer all of these questions, I am asking that the comment period be extended to January 1, 1987.

Thank you for your consideration of this important extension.

LeRoy Stumpf

LeRoy Stumpf

State Senator
District 1

4-405

RECEIVED
23 OCT 86

September 26, 1986

HQ Electronic Systems Division/SCO
Att: Lt. V. G. Brown
Hanscom AFB, MA 01371

G1, G2, G3, G4, G6, G8

Dear Lt. Brown:

We do not hold you personally responsible for the threat of displacement under which our family is living; however, we must register our objections to locating an Over-the-Horizon Backscatter Radar Facility on our farmland. We would also like answers to some questions that are bothering us. We were denied our right to make public comments and ask questions as the hearing was held in North Dakota on the primary election night for Minnesotans.

First some background. The farm on which we live has been in the family for three generations. In ten years it will be a Centennial Farm. We would like to make it to that point and far beyond.

We have worked our entire lives to build up, purchase, and maintain our agricultural lifestyle. And we have been successful. In this economic environment of agricultural hardship and farm foreclosures, we, just this summer, were able to purchase another quarter section of land to give us 1000 acres. Since the purchase we have spent countless hours and many dollars breaking it, cultivating, ditching, seeding cover crop, and picking rocks, for our future. We are not wealthy and never expect to be. We do, however, expect to hold on to that which we have worked so very, very hard to attain, survive somewhat comfortably, and be happy doing what we have chosen. We want our children and extended family members to be able to return to their childhood farmstead. We intend to continue to enjoy our farm work, poultry, pets, gardens, and privacy which is invaded only by the wildlife that peacefully co-exists with us.

But our concern is braoder still, as the following questions demonstrate:

1. Why does such an outrageous amount of money need to be spent on a system with a life-expectancy of 20 years? Bad investment of public dollars.

2. Why should a radar system to detect planes coming over the Gulf of Mexico be located in northern Minnesota?

3. Why must we as a nation conduct ourselves in a manner that creates hostility and threat of attack from other nations?

4. Why can't this money be spent to meet the needs of those in our country who cannot, for a variety of reasons, meet them themselves?

5. What are the health effects of living near an unsightly and highly charged radar site?

6. How much radioactivity will be released by such a facility? Acceptable levels?

7. How many acceptable levels of radioactivity can people be exposed to before it becomes unacceptable? Is radioactivity not a cumulative process?

8. How are counties and townships used for this site expected to recoup the loss of tax revenue that will occur when private lands (taxable) are switched to public lands (non-taxable)?

9. How are the small town businesses expected to survive the loss of income resulting from the loss of productive farmland income?

10. Why does this site have to be located on productive, private, income-producing (food-producing) land?

11. What are the long-term effects of draining wetlands that are natural habitats for waterfowl and a variety of other wildlife? How can these effects even be calculated in advance?

12. Obviously breeding and feeding patterns for deer, moose, fox, and many other small animals will be disrupted. To what extent will this endanger many species, or at best, lead to a severe decline in recreational game hunting, a source of revenue for local businessmen?

13. When the site is decommissioned in 20 years and made available for other federal use (Environmental Impact Statement, p. 2-9), what federal use can we expect? A NUCLEAR WASTE DISPOSAL SITE? Is that not a federal project?

14. Lastly, what do you expect those of us who are displaced to do with the rest of our lives once everything we have worked for is taken away from us to be used for--war games?

As you can see, we are strongly opposed to locating a radar site in northern Minnesota, and opposed to the concept itself. Since our right to make these comments publically was denied, we felt compelled to put them in writing.

Thank you for your attention. We await your reply.

Sincerely,

Faith Rud

Faith Rud
Route 3 Box 152
Warren, MN 56762

Sincerely,

Larry Rud

Larry Rud
Route 3 Box 152
Warren, MN 56762

4-406

Oct. 20, 86

RECEIVED
OCT 24 1986

Dear Sir,

In regard to the Backscatter Radar Project.

I have been to several the meetings, and read different material pertaining to the project.

From what I have heard and read, I can not see were this community would benefit in any way. In fact I believe we stand to loose a great deal of revenue because of the Farm land which would be out of production. And that in turn would also effect all the businesses which are directly involved in agriculture. And also indirectly

As an agricultural community we cannot afford such a loss.

I myself am in the Auto Repair business and it would certainly effect me.

Sincerely
Ron Hirsch

10-20-86

Anton P. Rader
710 1/2 Red Lake Blvd.
Thief River Falls , MN. 56701

RECEIVED 27 OCT 86

Lt. V.G. Brown
ESD-SCO
Hanscom Air Force Base, MA 01731

G2, G8

Dear Sir,

I am writing this letter in opposition to any type of site in this the Thief River Falls area. Whether it be a RADAR site or a HAZARDOUS WASTE site (Nuclear or Toxic).

It is my opinion that we,(our society), waste far too much and consider far too little. A prime example is just this case. I feel that it is a complete waste of our Tax dollars to build a radar site which will soon be obsolete, when we could use our satelite technology to do the same job with far less health risks to be considered.

Secondly, the inconsideration to the residents of the area. If you were to take a close look at the proposed area you would see, FAMILY farms, Wetlands which supports vast numbers of waterfowl, and wooded acreage which supports numerous types of big game animals and upland game, and last but not least other rural residents.

As a citizen, family man, and a sportsman I have many fears and concerns.

As a citizen, I"m concerned with what appears to be a real waste of tax dollars, in an almost obsolete system at a time with a real deficit in our government for more needed projects. Like the clean up of present hazardous waste sites.

As a family man, my fears are as such. The health risk of the proposed radar site to my family and the fear of maybe a hazardous waste site in the same area. To think that no health risk is involved is idiotic. To believe that the two sites coincidentally are being sited in the same area is insulting to the intelligence of all those affected.

As a sportsman my fears are, even more regulations to our already confusing game laws and regulations. And also the same health effects for the animals involved.

Thank you for your time a response would be greatly appreciated.

"CONCERNED"

Anton P. Rader

Anton P. Rader

4-407

Steiger Farms Inc
218/864-6272
Red Lake Falls, Minnesota 56750

RECEIVED 27 OCT 86

OCT 21, 1986

Lt. V.G.Brown
ESD-ACU
Hancom AFB, MA 01731

G1, G6, G9

Dear Lt Brown:

Steiger Farms would like to have the Air Force answer a few questions we have about the OTH-B receiver site being proposed for the Thief River Falls, MN area. As a land owner in a portion of the designated study area we do have a concern about the procedure of comment and response pertaining to site selection. Steiger Farms also has a few questions about possible restrictions on certain farming activities in the immediate site area if the TRF, MN site is chosen.

First, we understand that the Air Force will answer the various issues of concern only after the Oct 31, 1986 deadline for comments. Steiger Farms would like to be assured that if any answers that create restrictions on the farming activities in the area of antennas are e cessive ie. no spraying via aircraft, no use of radio communications etc) then we would like to be able to resolve a workable solution prior to construction of the site.

Second, we have concerns as to whether various types of electronic equipment will be restricted (or military radio interference will render useless) and within what distance. Specific devices: Business band radios, agri laser land leveling systems that have micro circuits for signal processing.

Third, we have seen in the environmental study that the Air Force has concern of outside radio frequency generation that will affect the OTH-B system. Our specific concern is the use of welding equipment and at what distance if any.

Fourth, will there be a restriciton place on aerial crop spraying in the area of the antenna and what restrictions might they be?

Answers to the above questions would be benificial to formulating our position on the matter.

Sincerely,

Bruce Steiger

Bruce Steiger Sec-Treas
Steiger Farms, Inc

Oct 30, 1986
Euclid, Minn

RECEIVED
R27 Oct 86

Dear Sir.

In regards to your letter asking for Comments on the OTH-B Control Radar System, I as a Farmer and land owner. think, that that Radar System would be excellent for the defence of our Country. And I for one would be proud to sell my land in Pennington County, in the Thief River Falls. Minn. Study Area.

Thank You

Charles Zammert

4-408

Red Lake Falls, MN
October 24, 1986

Lt. V. G. Brown
ESD-3CO
Hanscom Air Force Base, MA 01731

Dear Sir:

We have been attending meetings in the Thief River Falls, MN. area relative to the proposed installation of an OTH-B radar system, besides keeping ourselves informed of the reaction from other areas under consideration.

Each time, we have come away more and more convinced that the opposition to the defense system is comprised of small groups of self-serving interests who have no concern whatever for the defense and general welfare of this country.

As a retired couple, we personally have nothing to gain from this project, but having gone through World War II, and having seen the devastation in other lands, we are determined that our country and our community remain free and protected.

It is our sincere hope that the Thief River Falls site will receive favorable consideration despite this small core of dissenters.

Sincerely,

Mr. & Mrs. Erving Evenson
Red Lake Falls, MN 56750

WILBUR A. HALLSTROM
R. F. D. No. 2 Telephone 564-2688 5539
Red Lake Falls, Minnesota 56750

REC'D 25 OCT 86

10/22/86

G2, G4, G8

Lt V. G. Brown
ESD-SCO
Hanscom Air Force Base Ma. 01731

4-409

Dear Lt Brown,

I am writing in opposition to the Over-the-Horizon Backscatter Radar project being planned for the area west of Thief River Falls. The line is in Black River twp. and our land is Polk Centre twp. - all of which is in the suggested area.

My first objection came because of the "back door" approach used by the Air Force. If they were interested in this land - why did they not go door to door talking to the farmers who own the land? - rather than approach Thief River Falls and Jobs Incorporated. If the shoe was on the other foot and we did that to the residents within the city limits they would be screaming louder than we are.

Secondly - I see so much waste in government spending at a time when America's farmers are dropping out like flies and no one in Washington seems to care. My husband said this morning - "At the rate farmers are failing around here none of us will be farming by 1988 and then the Government will own the land anyway." I have said it before that America's worst enemy will be the unrest from within our own Country.

Thirdly I feel there are too many unanswered questions about the effects on people, wild life, and the land itself. I don't appreciate being a human guinea pig. Along with this I also question the need for it. I'm hoping and praying that the money will not be funded. I feel much more could be done to work for peace instead of being so concerned about the defense system and military spending.

Thank you!

Yours truly,
Gladys Hallstrom

Alvin & Robin Asp
Rt. 1, Box 140
Thief River Falls, MN 56701

RECEIVED 28 OCT 86

October 23, 1986

G4, G6, G9

Lt. V. G. Brown
ESD-SCO
Hanscom Air Force Base, MA 01731

RE: Proposed Site- Thief River Falls, Minnesota

Gentlemen:

We are writing this letter regarding the siting process for the OTH-B radar project. We have been to several meetings in our area but have recieved very little information on this project. At this time we do not favor the radar reciever in our area because we don't have very much information. We would apreciate, very much, if you could answer some queations we have.

We are concerned with the tax burden that will occur to the township and county when 2,400 to 4,000 acres of land are taken out of the taxed acreage, as would happen to government owned land. How would the Air Force offset the shift in taxes to the local residents?

This area is a favorite hunting spot for many people, What restrictions will be made on recreational hunting or use of firearms in the area? For how many miles surrounding the radar site would there be firearm restrictions?

What type of restrictions, if any, will there be on the use of welders, closed circuit TV, radio controled equipment, lazer beams, or other electronic monitering devices? What is the minimum distance from the radar site any of these restrictions might effect?

What protection will local landowners have against any devaluation of land adjacent to the site caused by this project, such as the creation of replacement wetland areas? Will a tort claim for damages be available to owners of devalued land or businesses?

What assurance can the Air Force give that the site would not be used for disposal of nuclear or hazardous wastes when the OTH-B project is decommisioned?

What assurance can the Air Force give that the radar site will not be replaced with an Extreme Low Frequency radar system, or other radar system or project which has been shown to be harmful to human and animal health or life?

Does the Air Force intend to use leased land and if so, upon what factors will these leases be based? If a land owner doesn't want to sell his land to the Air Force for this project what course will you take?

At an informational hearing at the Norden Township hall west of Thief River Falls, on October 14, 1986, the Air Force was represented by Mr. Tom Kenvell. Mr. Kenvell told us that the Air Force would be hireing 50 people from the site area to work at the site as maintenence workers and guards. Mr. Kenvell told every one present that each of those 50 employees would be making $30,000.00 per year. Is this information accurate? If so, we are very interested in seeing this information in writing.

Thank you very much for taking the time to read about and answer our concerns and questions about OTH-B.

Sincerely, Alvin Asp Robin Asp

4-410

RECEIVED 28 OCT 86

G4

Thief River Falls, Minn.
Oct. 24, 1986

Dear Sir:

On the project, Over The Horizon - Backscatter Radar Receiver System which is being talked about in this area. We want our names removed from the slip of paper we signed at the Best Western, at the first meeting in our town.

There are to many pros and cons on both sides and we want our names off.

Thank you.

Clarence Swenson
Donna Swenson
Rt 5 T. River Falls

We are concerned about the zoning land prices most of the farmers now days owe more than twice the amount of the zoning land price and maybe more? Than what?

Also we're concerned over what will happen to this land after this radar system is obsolete Will this nuclear waste be put here, that they tried to push on us this Spring. This is Good farmland and we'd like to keep it that way



RECEIVED

WAM!

Women Against Military Madness
3255 Hennepin Avenue South, Minneapolis, MN 55408 (612) 827-5864

October 22, 1986

G2, G4, G8

Lt. V. G. Brown
ESD/SCO
Hanscom Air Force Base, MA 01731

Our organization represents over 3,000 citizens of the state of Minnesota. We have been following through the newspapers the proposed Over-the-Horizon Backscatter (OTH-B) radar system. It was with great hope that we recently learned Governor Rudy Perpich stands opposed to the development of this radar system as well as almost 100 percent of the citizens from the region which would be affected.

We too stand opposed. The recent increase in potentially destructive and dangerous military-related installations into our state (i.e. Backscatter, National Guard training camp, radio-active waste dumps) remains out of proportion to the unknown damage to both the environment and to the health and sanity of the people in whatever region this installation is placed. In addition, the economic impact to the land value of already indebted farmers has not been addressed. Nor has the vague reference to the land being used for "other federal use" been clarified. The people of Minnesota have said no to a radio-active waste dump in the state, and there is fear that such a dump might appear through a "back door".

At a time when Gramm-Rudman is eating away programs that directly affect the everyday lives of men, women and children, the use of tax dollars to develop a system which will be obsolete in 20 years--not to mention the intermediate damage to the health of individuals and the environment--is not in the best interests of the people of the state of Minnesota.

In conclusion, our organization believes that continuous dependence on the military to provide jobs to a community not only creates an environment of war thinking, it in fact incurs an ever-increasing deficit which deprives a growing number of people a safe, productive and happy life--not only in the state of Minnesota, but throughout the world.

Sincerely,

Nikki LaSorella

Nikki LaSorella
Co-director.

# JOBS INCORPORATED

Rcvd 21 Oct 86

October 27, 1986

Colonel James A. Lee, Director
OTH-B Systems Directorate
Deputy Commander for Strategic Systems
Hanscom AFB, MA 01731-5000

Dear Colonel Lee:

As the local non-profit community development corporation, it is the function of Jobs Incorporated to promote projects and assist private businesses, industry and government with the ultimate goal of retaining existing jobs and creating new ones for residents of our area. We have actively solicited siting of the U.S. Air Force's Over The Horizon Backscatter Radar Receiver Facility for Pennington County.

Jobs Incorporated has consistently monitored the environmental review-public participation process for this project. We continue to believe that the OTH-B Receiver is a "low impact" project that will be of benefit by providing up to 50 permanent civilian jobs for our economically distressed area.

The relatively few, but vocal, persons opposed to the project have raised a number of concerns. Enclosed is a copy of the Air Force's written responses to these concerns which we were able to obtain through the offices of Congressman Stangeland on October 23.

Jobs Incorporated thanks you for your continued support for the siting of the OTH-B Receiver Facility in the Thief River Falls area. If you have any questions, please contact our office.

Sincerely,

Roger J. Reuter
President

RJR:ct

Encl.

Note: The responses that the Air Force provided to Congressman Stangeland are not included here because they have been incorporated in the responses prepared for this document.

P.O. BOX 528
THIEF RIVER FALLS
MINNESOTA 56701
(218) 681 7387

4-412

# JOBS INCORPORATED

Attn.

October 23, 1986

TO THE CITIZENS OF THIEF RIVER FALLS AND
PENNINGTON COUNTY

It is the function of Jobs Incorporated, a non-profit community development corporation, to promote and assist industry, private business and government with the ultimate goal of retaining existing jobs and creating new ones for the residents of our area. We believe that the Over The Horizon-Backscatter Radar Receiver System is a project that will assist in the materialization of that goal.

A number of questions have been raised and submitted to the United States Air Force by opponents to the project. Attached are responses in writing to some of these questions which we have been able to obtain from the United States Air Force through the offices of Congressman Arlan Stangeland.

If you have any further concerns, please contact Jobs Incorporated.

Very truly yours,

Roger J. Reuter
President

RJR:ct

Attachment

P.O. BOX 528
THIEF RIVER FALLS.
MINNESOTA 56701
(218) 681 7387

RECEIVED
NOV 18 1986

Donavon Dyrdal
Rt. 1, Box 216A
Thief River Falls, MN 56701

October 28, 1986

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attn: Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

RE: Central Radar System

Dear Lt. Brown:

Enclosed please find the petitions we have received opposing the location of the OTH-B radar project near Thief River Falls. Copies of the petitions are also being sent to Congressman Stangeland and Governor Perpich.

I feel that the project represents an unnecessary use of taxpayer's money and I have not received any satisfactory information from your office to change my mind about my opposition to the project.

Sincerely,

Donavon D. Dyrdal

Enclosure: Petitions

4-413

**Petition**

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| | Frank Wasman | RR 1 Box 13 TRF |
| | Jeri Nelson | Lot 10 Countryside TRF |
| | Harley Jaffe | RR#1 TRF |
| | Randy Henrichsen | Box 132 Goldenrod 56725 |
| | Thane Mundell | 1518 Northland Village Apt 101 |
| | Dean Brandon | 1518 Northland Vill. Apt 101 |
| | Mitch Mathews | 1117 No. Duluth TRF |
| | Paul Wasnick | 1701 Cryside TRF |
| | Rick Bodnar | 607 S. Main |
| | Jeff Fiske | 620 So 9th Apt 1 |
| | Allen Markaid | Rte 1, T R Falls |
| | Jeri Loeffler | 204 N Kendall |
| | Charles F Simonsen | |
| | Michelle Richardson | Lot 15 Rossville TRF |
| | Dany Sorensen | 701 North Denver |
| | Bobby Sorensen | 701 N. Denver |
| | Connie Skinner | Ulen Herald |
| | Dean Olson | R.R. 2 Box 8 Red Lake Falls |
| | Michael D Tian | Lot 28 Crossroad |
| | Chris Olson | 501 N Main Ave |
| | Terry LaCoursiere | 110 N Ash Ave PPTG |
| | Chad Anderson | 1518 Northland Village |

over

Diane Graham 1918 E Greenwood TRF MN

Jacki Davidson 2010 E. Greenwood TRFalls, MN 56701

Mike Hennenstueb Rt. 1 Goodridge.

Joan Dahlke 233 No Mellan Thief River Falls, MN

4-414

## Petition

We, Concerned Citizens, utrongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Vonnie Hogle | Vonnie Hogle | 311 S. Arnold TRF |
| Richard Hogle | RICHARD HOGLE | 311 So. Arnold TRF |
| Mike Leach | MIKE LEACH | Rt 1 TRF |
| Loren Lendobeja | LOREN LENDOBETA | Rt 3 T.R.F. |
| Juanita Hutchinson | Juanita Hutchinson | Rt. 3 TRF |
| Keith Bugge | Keith Bugge | RT 3 TRF |
| Gregor A Jablinske | Gregor A Jablinske | Rt 4 Box 8 |
| Marty Hagenson | Marty Hagenson | Rt #1 |
| Betsy Hoglo | Betsy Hoglo | 928 N Horace |
| Merton Hutchinson | Merton Hutchinson | Rt 3 Thief River Falls |
| Paul Hutchinson | PAUL HUTCHINSON | Rt 3 TRF |
| Jim Seibel | Jim Seibel | Rt 3 TRF |
| Jon Nessen | Jon Nessen | W13 ST 601 |
| Oscar Mossestad | Oscar Mossestad | 1200 Conba T R Falls |
| Edna Mossestad | EDNA MOSSESTAD | 1200 CENTENNIAL DR. TRF |
| Omer Lian | O M E R L I A N | Mayor City of T.R.F. |
| Robert Hoglo | Robert Hoglo | St Hilaire Minn |
| Delores Hoglo | Delores Hoglo | St. Hilaire, Mn. |
| Dave Carlson | C A R L S O N | St. Hilaire Rt 2 TRF |
| Ralph Lian | Ralph L; HN | TRF Hill, Mn |
| Marian Hoglo | Marian Hoglo | T R FALLS Minn |

7-15-

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | T R F R.1 |
| [illegible] | [illegible] | [illegible] |
| Warren E Mosbeck | Warren E. Mosbeck | R2 Red Lake Falls Mn |
| Lorraine Mosbeck | Lorraine Mosbeck | Rt. 2 Redlake Falls, Mn |
| Enid Sande | Enid Sande | Rt. 1 Thief River Falls Mn |
| Rolland Sande | Rolland Sande | Rt. 1 Thief River Falls Mn 56701 |
| Tracy Scott | TRACY SCOTT | Rt. 5 TR Falls 56701 |
| Lyle Hanson | TRF | 112 Owego Dr. |
| Lyle Hanson | TRF | 112 Owego Dr. |
| David R Johnson | Daniel R Johnson | R1 [illegible] |
| [illegible] | Mark Hazlett | R4 T R F |
| [illegible] | Charlie Hazlett | R4 T R F |
| [illegible] | [illegible] | TRF |
| Jeffrey R Davidson | Jeffrey R Davidson | T.R. Falls |
| [illegible] | Kenneth Swanson | T R F R 5 |
| Craig Swanson | Craig Swanson | TRF Rt 5 |
| Faith Rud | Faith Rud | Huson Rt 3 |
| Andrey Dezerae | Andrey Dezerae | Rt 3 T R F |
| Stanley Demarais | Stanley Demarais | Rt 3 T R F |
| Hilde Hiak | Hilde Hiak | Rt 1 St Hilaire Mn. |
| Kimberly M Dils | Kimberly M Dils | Rt 5 TRF MN |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Lowell Hamrick | Lowell HAMRICK | Warren Minn |
| Alice Pederson | Alice Pederson | Warren Mn |
| Bardolf Pederson | Bardolf Pederson | Warren Minn |
| Robert Hamrick | Robert J Hamrick | Argus Minn |
| Marilyn Hudeck | Marilyn Hudecek | Warren, MN |
| Marie Owens | Marie Owens | Angus Mn |
| Kathy Steer | Kathy Steer | Angus, Mn. |
| Ronda Owens | Ronda Owens | Angus, Mn |
| Nancy Wimpfheimer | NANCY Wimpfheimer | WARREN MN |
| Cheryl Johnson | Cheryl Johnson | Warren, Mn. |
| Darrell Novacek | Darrell Novacek | Angus, Mn |
| Jill Hamrick | JILL HAMRICK | ANGUS, MN |
| Lawrence Zdunek | Lawrence Zdunek | WARREN Mn |
| Jeff Olson | Jeff Olson | Angus, MN |
| Alpha Pearson | ALPHA PEARSON | WARREN MN |
| Dana Zdunek | Dana Zdunek | Warren Mn |
| John Pearson | John Pearson | WARREN Minn |
| Wayne Strickler | Wayne Strickler | Euclid, Minn |
| Keola Hamrick | Keola Hamrick | Warren, Minn |
| Michael Carlson | Michael Carlson | Angus, mn |
| Lori Hamrick | Lori Hamrick | Warren Minn |
| Myla Carlson | Myla Carlson | Argus Mn |



## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Sandy Hapka | Sandy Hapka | RR2 - Warren, Mn |
| David W. Christenson | DAVID W. CHRISTENSON | WARREN, MN |
| Shirley Hamrick | Shirley HAMRICK | R3 Warren Mn |
| Charlotte Strickler | Charlotte Strickler | Rt #1 Euclid Mn |
| Ray & Naomi [illegible] | | Warren Minn |
| Dorothy Halsa | | 1221 N Knight Ave Thief River Falls |
| Mardy Miska | Mardy Miska | RR3 Box 93K Warren |
| Rick Storms | | RR 3 Box 139 Argyle |
| Sandra Zdunek | | RR3 Warren |
| Marie Baron | | Lenbrook Warren |
| Dawn Olson | DAWN OLSON | Angus, Minn |
| Darlene Novacek | Darlene Novacek | RR1 Box 122 Angus, MN |
| Margaret Carlson | Margaret Carlson | 108 1/2 6th St Warren |
| Karen Hamrick | | R3 Warren Minn. |
| Karen Pearson | KAREN PEARSON | Rt. 2 Warren MN |
| Dorothy Hamrick | DOROTHY HAMRICK | Rt 3 Box 163 Warren |
| Marilyn Chruszch | | Argyle Minn. |
| Marlene Carlson | Marlene Carlson | Angus, Mn. |
| Jo Ann Steer | JoAnn Steer | Angus, Minn |
| Wayne Hamrick | Wayne Hamrick | Angus, Minn |
| Linda Hamrick | LINDA HAMRICK | Angus, Mn |
| Donavon Hamrick | DONAVON Hamrick | Warren, Mn. |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Sharon Larson | Sharon Larson | R6 TRF |
| Stacy Stroh | Stacy Stroh | Rt IRF |
| Teresa Armstrong | Teresa Armstrong | T.R.F. |
| Burk Walseth | Burk Walseth | St Hilaire |
| Roger Solem | Roger Solem | TRF |
| Earl Hanson | EARL HANSEN | Newfolden Mn |
| Brenda Eckstein | Brenda Eckstein | Erskine RT 1 KF |
| Macy Larson | Macy Larson | Newfolden, Mn |
| Holly Mandeville | Holly Mandeville | Goodridge, Mn |
| Gordon Jensen | Gordon Jensen | Thief River Falls Mn |
| Lynn Hagen | Lynn-Terrace Skyline | Thief River Falls Mn |
| Elody G Olson | ELODY G OLSON | T R Falls, Mn |
| Annette Olson | ANNETTE OLSON | TR FALLS Mn |
| Karen St Marie | Karen St Marie | TRF Mn |
| Sheri Burd | Sheri Burd | TRF Mn |
| Frances Johnson | Frances Johnson | TRF Minn |
| Forrest Hamm | Forrest Hamm | TRF Minn |
| Gladys Hallstrom | Gladys Hallstrom | R.R.F |
| Doral Mosbeck | Doral Mosbeck | Rt Falls |
| Rudolph Swedgaard | Rudolph Swedgaard | T.R. Falls Mn |
| Betty Lou S Olson | Betty Lou S Olson | RR#1 T R Falls |
| Donald R Olson | DONALD R. OLSON | RR1 TR FALLS |

4-417

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Curtis W Swanson | Curtis W Swanson | RR 5 Box 83 Thief River Falls, Mn 56701 |
| Kenneth Swanson | Kenneth R Swanson | RR 5 Box 84 Thief River Falls Mn 56701 |
| Craig Swanson | Craig Swanson | RR 5 Box 84 Thief River Falls, Minn. |
| Arlo Scholin | Arlo Scholin | RR 5 Box 86 Thief River Falls Mn 56701 |
| Tom Scholin | Tom Scholin | RR 5 Box 86 Thief River Falls Mn. 56701 |
| Lyle Swanson | LYLE SWANSON | RR 5 Thief River Falls |
| Joni Swanson | Joni Swanson | RR 5 Box 84 Thief River Falls, Minn. |
| Clarence Swanson | CLARENCE SWANSON | RR 5 Box 84 Thief River Falls, Minn 56701 |
| Willis Gelle | Willis Gelle | RR1 Euclid, Mn 56722 |
| Phil Knott | Phil Knott | P.O. Box 55 Strathcona Minn |
| Dale Laursen | Dale Laursen | 501 Minnesota St Crookston Mn |
| Ray Maxson | RAY MAXSON | 303 Maple Lane, Thief River Falls, Minn. |
| Gary Novak | Gary Novak | RR1 St Hilaire Mn. |
| Dennis Schulz | Dennis Schulz | Box 224 Euclid Minn. |
| Brian Schulz | Brian Schulz | RR1 Euclid Mn |
| Jan Nelson | JAN NELSON | Rte 5, TR Falls Mn |
| [illegible] | [illegible] | [illegible] |
| Daryl V Norberg | DARYL V Norberg | TR Falls Minn. |
| Harold Aker | Harold Aker | Thief River Falls Mn. |
| M Bagneman | M. BAGNEMAN | T R F. Minn |
| Gary Kirsland | Gary Kirsland | TRF Minn |
| Wayne Grahot | Wayne Grahot | Argyle Mn |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| [illegible] | Kent Jonson | 625 N Knight T.R.F. |
| [illegible] | Corey Nelson | RI Box 152 TRF |
| [illegible] | Randy Nelson | R1 Box 152 TRF MN |
| [illegible] | Rose Holtan | RR 3 TRF MN |
| [illegible] | Myles Heaney | Box 3 Stevens TRF, MN |
| [illegible] | Sneja Holtan | RR 3 TRF MN |
| [illegible] | Penny Efta | RR1 Viking MN |
| [illegible] | Mildred Rud | Route 1 Goodridge |
| [illegible] | Bill Gray | Viking MN |
| [illegible] | [illegible] | Hwy 59 So of T.R.F. |
| [illegible] | DON HOLLE | Thief River Falls Minn |
| [illegible] | Ernest Thune | Thief River Falls Minn |
| Marshall Vagle | Marshall Vagle | RR1 Box 162 Thief River Falls, Minn 56701 |
| [illegible] | JOHN SCOTT | RR 2 Box 44 TRF Minn 56701 |
| [illegible] | [illegible] | Rural route Box 275 - St Hilaire MN |
| Ronnie McBride | Ronnie McBride | Rt 1 TRF |
| [illegible] | LORETTA HALVORSON | RR1 Viking MN |
| [illegible] | Paul Williams | Thief River Falls Minn |
| [illegible] | LARRY DIMMEN | St Hilaire (Goodridge) |
| | | |
| | | |
| [illegible] | Ray Lavine | Route 1 TRF |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address | Twp |
|---|---|---|---|
| [illegible] | Mrs Andy Martinson | St Hilaire Minn Rt 3 | Sanders |
| [illegible] | CLARENCE ANDERSON | TRF | Sanders |
| [illegible] | Eva M. Anderson | Rt 5 T.R. Falls | Sanders |
| [illegible] | DOROTHY CAMERON | RT 5 T R FALLS | Sanders |
| [illegible] | ODESSA ANDERSON | Rt 5 — T.R. FALLS MN | SANDERS |
| [illegible] | ALFRED JENSEN | Rt 5 Thief River Falls | SANDERS |
| [illegible] | MABLE NESS | Thief River Falls | Sanders |
| [illegible] | IVEN MILLER | RT 5 T.R. Falls Minn | Sanders |
| [illegible] | NORA E MILLER | RT 5 T R Falls Minn | Sanders |
| [illegible] | MURIEL ANDERSON | 157 N. Sunday | Sanders |
| [illegible] | CLARENCE MOLSKNESS | RR 5 T.R.F. | Sanders |
| [illegible] | VERNON ANDERSON | Rt 5 TRF | Sanders |
| [illegible] | HANS NEWMAN | RT 5 T.R.F. | Sanders |
| [illegible] | LAWRENCE JOHNSON | RT 5 T.R.F. | Sanders |
| [illegible] | RADENA MEHRKENS | R.5 T.R.F. | Sanders |
| [illegible] | HANS ANTON | RT 5 TRF | Sanders |
| [illegible] | [illegible] | RT 5 TRF | |
| [illegible] | [illegible] | RT 5 TRF | |
| [illegible] | Richard Dvorak | RR 5 T R F Black River Twp | |
| [illegible] | Rosemary Dvorak | RR 5 T R F Black River Twp | |
| [illegible] | Debra Niemela | Box 5 St Hilaire MN | |
| [illegible] | Cathy Wikelund | St Hilaire | Black River |

4-418

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address | Twp. |
|---|---|---|---|
| Wendell Ortloff | WENDELL ORTLOFF | Thief River Falls Minn | Sanders |
| Mark A Olson | MARK A OLSON | T.R.FALLS | |
| Jean B. Wold | JEAN B. Wold | Rt. 5 T.R. Falls | Sand |
| Vernon L Wold | VERNON L WOLD | Rt 5 T.R. Falls | |
| Sonia Iverson | Sonia Iverson | Rt. 5 T.R. Falls | Sanders |
| MyRon Iverson | MyRon Iverson | Rt. 5. T.R. Falls | Sanders |
| Norman A Peterson | Norman A Peterson | Rt 5 T.R. Falls | Sanders |
| Mildred Peterson | Mildred Peterson | Rt 5 T Falls | Sanders |
| Wayne A Peterson | Wayne A. Peterson | Rt 5 T.R. Falls Minn | Sanders |
| Leona Dobias | Leona Dobias | RT 5 T.R. FALLS, MINN | SANDERS |
| Frank Dobias | FRANK Dobias | R 5 T R Falls Minn | MINNESOTA |
| Dave Dobias | DAVE DOBIAS | R 5 T R Falls Minn | MINNESOTA |
| Mildred Metcalf | Mildred Melcolf | ANGUS MINN | SECTION |
| Lucille Ortloff | LUCILLE ORTLOFF | Thief River Falls Minn | Sanders |
| H James Erickson | H. James Erickson | Thief River Falls Minn | Sanders |
| Donald Scott | DONALD SCOTT | THIEF RIVER FALLS, MINN | SANDERS |
| Elsie Hoefer | Elsie Hoefer | Thief River Falls, Minn | Sanders |
| Earl Hoefer | Earl Hoefer | Thief River Falls Minn | Sanders |
| Andrew Hoefer | ANDREW HOEFER | THIEF RIVER FALLS | Sanders |
| Alice Hoefer | ALICE HOEFER | THIEF RIVER FALLS | SANDERS |
| Kenneth Carlson | Kenneth Carlson | Thief River Falls Minn | Sanders |
| Rudy Martinson | Rudy Martinson | Thief River Falls | Sanders |


## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area


| Signature | Name | Address | Twp. |
|---|---|---|---|
| Arlene Jagel | Arlene Jagel | Rt. 5 Thief River Falls Minn | Sanders |
| Edward Jagel | Edward Jagel | Rt. 5 Thief River Falls Minn | Sanders |
| Kathy Mehrkens | Kathy Mehrkens | Thief River Falls | Sanders |
| Albert Mehrkens | Albert Mehrkens | Rt. 5 Thief River Falls | Sanders |
| George W Lindquist | George W Lindquist | Thief River Falls | Brae |
| Lillian Kent | Lillian Kent | Rt 5 T R Falls | Sanders |
| Hazel Kent | Hazel Kent | Rt 5 T R Falls | Sanders |
| Henry Seure | HENRY SEURE | RT 5 T.R.F., Minn | BRAY |
| Jon Jagel | JON JAGEL | RR 5 BOX 72 TRF, MN | SANDERS |
| Clarence Henke | Clarence Henke | RR 2 Box 32 RLP | Hunter |
| Roy Larson | ROY LARSON | Red Lake Falls, Minn | Red Lake |
| Roy Larson | ROY M. LARSON | Red Lake Falls, Minn | Red Lake |
| Dionne Ulrich | DIONNE ULRICH | Red Lake Falls | Brooks |
| Mrs. Jim Johnson | Mrs. Jim Johnson | Brainerd, Minn. | Brainerd City |
| Kenneth Niemela | Kenneth Niemela | Thief River Falls | |
| Mable M. Mosbeck | MABLE M. MOSBECK | Red Lake Falls | Red Lake |
| John E Erickson | John E Erickson | Red Lake Falls | Black River |
| Donald Mosbeck | Donald Mosbeck | Red Lake Falls | Red Lake |
| Mrs. Donald Mosbeck | Mrs. Donald Mosbeck | Red Lake Falls Minn | Red Lake |
| Alton Kalsnes | ALTON KALSNES | Landowner | Borgstrom |
| Evelyn Kalsnes | EVELYN KALSNES | Landowner | Bray Twp. |
| [illegible] | [illegible] | [illegible] | Big Creek |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Gilmer Bakken | GILMER BAKKEN | RR1 Thief River Falls |
| Cindy Olson | Cindy Olson | Rt 3 T.R. Falls |
| Mandi Stelberg | Mandi Stelberg | Newfield Thief River Falls |
| Kathy Halsa | Kathy Halsa | Rt 3 Thief River Falls |
| Marilyn Heglo | Marilyn Heglo | Rt 1 TRF |
| Betty Pearson | Betty Pearson | RT3 Box 184 TRF |
| Mary Dahl | Mary Dahl | R1 Box 209 TRF |
| Gayle Sletten | Gayle Sletten | Rt #1 Box 156 TRF |
| Stacey Vagle | Stacey Vagle | Riverview Mbr Ct Lot #90 |
| Adeline Haney | Adeline Haney | Route #8, Box 126 |
| Sharon Kuskey | Sharon Kuskey | Rt 6 Box 66 TRF |
| Jean Carpenter | Jean Carpenter | R1 TRF |
| Yvonne Larson | Yvonne Larson | R1 Newfolden Mn 56738 |
| Debbie Cuthbert | Debbie Cuthbert | Thief River Falls |
| | | Rt 6, TRF |
| Bernice Klenk | Bernice Klenk | Middle River, Mn |
| Judy Mosloff | Judy Mosloff | R.T.S. T.R.F. |
| June Lakken | June Lakken | Rt 6 TRF |
| Kathy Jadwin | Kathy Jadwin | Rt 1 Goodridge |
| Evelyn Hanson | Evelyn Hanson | 819 N Duluth, Thief River Falls |
| Edmund Kostrzewa | Edmund Kostrzewa | R1 Mentor, Mn |
| Charlotte Hink | Charlotte Hink | Rt 3 Thief River Falls Mn. |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Jewel Helen | Jewel Helen | RR Goodridge |
| Jane Kenta | Jane Kenta | TRF |
| Barb Picolet | Barb Picolet | Grygla |
| Mrs Ray Berg | Janet Berg | TRF |
| Jami Eckstein | Jami Eckstein | TRF |
| Dean Wikert | Dean Wikert | Gdge, MN |
| Ann Hewitt | Ann Hewitt | TRF |
| Gladys Hanson | Gladys Hanson | Rt 1 Box 7 Goodridge |
| Carmen Larson | CARMEN LARSON | 1103 Spruce TRF MN |
| Albert C Larson | ALBERT C LARSON | 103 N Square St. Thief River Falls, MN |
| Gerry Duquette | GERRY Duquette | 1103 Rivercrest Dr. Thief River Falls, MN |
| Mabelle Mckeen | Mabelle Mckeen | Rt 2 Box 7 TRF |
| Pat Krystosek | PAT KRYSTOSEK | SCSA Duluth AFB |
| Sarah Krystosek | Sarah Krystosek | SCS N Duluth TRF |
| Patty Sabel | Patty Sabel | 304 N Oak |
| Edward Sabel | Edward D. Sabel | Thief River Falls |
| Cindy Nessen | Cindy Nessen | 601 W 13th St TRF |
| Jon Nessen | Jon Nessen | 601 W 13TH ST TRF |
| Lenore Weld | Lenore Weld | 112 Tr F |
| Reuben Weld | Reuben Weld | 112 TRF |

4-420

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | PRINT Name | Address |
|---|---|---|
| Alan Gehrls | ALAN GEHRLS | Rte1 TRFALLS |
| Jay Tomkins | JAY TOMKINS | T.R.F. Minn |
| Cal Cardwell | CAL CARDWELL | TRF mn |
| David Bradley | DAVID BRADLEY | TRF MN |
| Dane E Severson | DANE SEVERSON | TRF, MN. |
| Leslie Grisanti | LESLIE GRISANTI | TRF, MN |
| Jack R Boen | JACK R BOEN | T.R.F. MN. |
| Matthew Samuelson | MATTHEW SAMUELSON | TRF MN |
| Brad Storey | BRAD STOREY | TRF MN |
| Greg Sandahl | GREG SANDAHL | TRF MN. |
| Randy Jacobs | Randy Jacobs | Rt 1 TRF Mn |
| Mark Dimmett | MARK DIMMETT | TRF MN. |
| Lucilla Lundeen | Lucilla Lundeen | T.R.F. MN. |
| Barbara Klopp | Barbara Klopp | TR Falls |
| Sander Sappa | SANDER SAPPA | TR Falls |
| Edward Holmstrom | Edward Holmstrom | T R Falls |
| Dennis Legare | Dennis Legare | TRF Mn |
| Dennis Fournier | Dennis Fournier | TRF MN |
| Al Hugg | Al Hugg | TRF, Mn |



## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Cindy Hilleson | Cindy Hilleson | Thief River Falls |
| Audrey Hanson | Audrey Hanson | Thief River Falls, Mn |
| Gail Brickke | Gail Brickke | Plummer |
| Melinda Heaton | Melinda Heaton | Thief River Falls |
| Marie Weber | MARIE WEBER | Thief River Falls |
| Dennis M Knoll | Dennis M Knoll | T R F |
| Walter H Vollbrecht | WALTER H VOLLBRECHT | Thief River Falls |
| Christie Warren | Christie Warren | 710 Atkinson Rd. |
| Myrtle Drury | MYRTLE DRURY | R V W MOD Work T R Falls Mn |
| Peggy Buck | Peggy Buck | Rt 1 Thief River Falls Mn |
| Anne Mosbeck | Anne Mosbeck | 111 4th St E Thief River Falls |
| Steven Johnson | Steven Johnson | Thief River Falls |
| Donald Peterson | DONALD PETERSON | Warren |
| Lowell Lindemoen | LOWELL LINDEMOEN | NEWCOLDEN, MINN. |
| Cindy Hoglo | Cindy Hoglo | T.R. Falls |
| Nancy Hoglo | NANCY Hoglo | 430 Davis N. T.R. Falls, MN |
| Gary Sonsky | Gary Sonsky | Rt 1 Thief River Falls |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| | Steve Olson | B Thief Riv Falls |
| | Kelli Olson | Thief River Falls |
| | Terry Voecks | T.R.F. |
| | ALLEN VOECKS | BEMIDJI |
| | WENDELL BREKKESTRAN | T.R.F. |
| | Cheryl Voecks | T.R.F. |
| | Charlotte I Anderson | T.R.F. |
| | DORA BREKKESTRAN | T.R.F. |
| | Robert J. Anderson | T.R. Falls |
| | Robert E Anderson | T.R.F. |
| | MARVIN OLSON | T.R.F. |
| | Evelyn Voecks | T.R.F. |
| | ASTA Westerland | Middle River |
| | Margaret Lian | T.R.F. |
| | Corene Olson | T.R.F. |
| | Sharon Lia | T.R.F. |
| | Jennifer Johnson | T.R.F. |
| | Dana Green | Stephen MN |

4-422

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| | John Omdahl | RR 2 Box 42 Warren, Mn. 56762 |
| | Peter Hapka | RR2 Box 43 Warren, Mn. 56762 |
| | ELDOR OMDAHL | " " |
| | Cris Mortensen | RT 1 Box 49 Warren MN 56762 |
| | GLADWIN LYNNE | 503 No Monroe ST WARREN MN 56762 |
| | Tom Omdahl | 526 Riverside Warren, Mn. 56762 |
| | CONNIE OMDAHL | RT 2, Box 42 Warren, Mn. 56762 |
| | Yoka Leppink | 521 RIVERSIDE WARREN |
| | STELLA OMDAHL | Box 45 Strathcona 56762 |
| | SHIRLEE MAERTENS | RT 1 Box 17 Middle River MN 56737 |
| | GENE MAYER | 419 N ARNOLD E. GRAND FORKS ND |
| | Camille DuChamp | 424 Dexter Ave N Thief River Falls MN 56701 |
| | Mary Johnson | 513 So Maple Thief River Falls MN |
| | R Rebarge | T.R. Falls |
| | Linda Welk | RT 1 Newfolden, Mn. |
| | Darlene Kelley | 412 W 3rd TRFalls |
| | Jeanie Jappen | RR4, Box 13, TRF |
| | Jay Newell | RT 2, Box 45A Warren, Mn. 56762 |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Tim Lewis | Tim Lewis | RR 1 TR Falls Mn Norden |
| Robert D. Ayers | Robert D. Ayers | RR. 1 TR Falls Mn Nordeen |
| Marcell Etienne | MARCELL ETIENNE | T R F MINN |
| [illegible] | [illegible] | [illegible] |
| Edith B Dyrdal | EDITH B. DYRDAL | RL Thief River Falls, MN |
| [illegible] Halvorson | Steven Halvorson | RT 1 Thief River Falls, MN |
| Todd Lewis | Todd Lewis | Rt. 1 Thief River Falls, MN |
| Dorsey Lewis | Dorsey Lewis | RR1 TRF MN |
| Roger Solem | Roger Solem | TRF, MN |
| [illegible] | [illegible] | T.R.F |
| [illegible] | [illegible] | TRF |
| William Hoglo | WILLIAM HOGLO | RT. 1 TR FALLS |
| Sharon Hoglo | SHARON HOGLO | R#1 TRFalls MN |
| Del R Knutson | Del R Knutson | TRF |
| Donald Fanfulik | Donald Fanfulik | TRF |
| Rodney Anderson | RODNEY ANDERSON | T.R.F |
| [redacted] | [redacted] | T.R.F |
| Craig Sundby | Craig Sundby | Argyle, MN |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Lynnae Halverson | Lynnae Halverson | Viking, Mn 56760 |
| Sandra Bluemke | Sandra Bluemke | 734 Gleason TRF |
| Elizabeth Thompson | ELIZABETH THOMPSON | 601 W 13th Ave TRF |
| Raymond D Tilly | RAYMOND D TILLY | 714 NORTH TRF |
| Jerry Smith | Jerry Smith | 704 N main TRF |
| Larae Kaushagen | Larae Kaushagen | 712 N. Main TRF |
| Luther Kaushagen | Luther Kaushagen | 712 N Main TRF |
| Marilyn Stanley | Marilyn Stanley | Goodridge, MN |
| Walt Lund | Walt Lund | 235 So. Spruce Ave. |
| Lois Anderson | Lois Anderson | Box 66 - Middle River |
| June Thrane | JUNE THRANE | 837 So. KENDALL TRF MN |
| Susan Soucdit | Susan Soucdit | 1123 N Knight TRF |
| Gladys Garfve | GLADYS GARFVE | newfolden, mn |
| Helga McBride | HELGA McBRIDE | middle River Mn |
| Todd R Hoglo | Todd R. Hoglo | 728 N Main TRF |
| Debbie LaBlanke | Debbie LaBlanke | 515 S. Knight TRF |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Mable Andresen | Mable Andresen | R2 Warren, Mn 56762 |
| Dallas Way | Dallas M. Way | 1952 Jefferson Ave SW Detroit Lakes MN 56501 |
| Joyce Way | Joyce Way | 1429 Jefferson Ave SW Detroit Lakes MN 56501 |
| John L Nelson | John L. Nelson | Rt 1 Box 152 TRF Mn 56701 |
| C.J. Sherva-Parker | C.J. Sherva-Parker | Rt 1 Box 152 TRF Mn 56701 |
| Richard Bruggeman | Richard L Bruggeman | Rt 1 Box 179 T.R.F. |
| Clare Bruggeman | Clare Bruggeman | Rt 1 Box 179 TRF |
| Jo Mezzy | Joann Mezzy | Rt 2 56701 |
| Glenn Watson Jr | Glenn Watson Jr. | Rt 1 & 2 County Suite TRF |
| Joel Nelson | Joel Nelson | Box 122 Th. F River Falls |
| Henry Panek | Henry Panek | Brandrup Rd |
| Dean Holton | Dean Holton | TRF, Mn |
| Gary Lane | Gary Lane | TRF Minn Sanders |
| Betty Hallan | Betty Hallan | Rt 1 TRFalls |
| Floyd Hallan | Floyd Hallan | Rt 1 TR Falls |
| Donavan Dybdal | Donavan Dybdal | Rt 1 T.R. Falls, on Arden |

4-424

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Martin Solseng Jr | Martin Solseng Jr. | RR #1 Thief River Falls |
| Daryl Lewis | Daryl Lewis | RR1 Thief River Falls |
| Gary Page | Gary Page | RR#1 Thief River Falls |
| Sherry Page | Sherry Page | Rt 1 Thief River Falls |
| Louise Solseng | Louise Solseng | Rt 1 Thief River Falls, Mn |
| Tawnya Markud | Tawnya Markud | Rt 1 Thief River Falls, Mn |
| Eleanor G Joyce | Eleanor G. Joyce | Rt 1 Thief River Falls, Minn |
| Esther Solseng | Esther Solseng | Rt 1 Thief River Falls Minn. |
| Myrl Johnson | Myrl Johnson | Thief River Falls Mn. |
| Lucille Thompson | Lucille Thompson | Rt 1 Thief River Falls Mn |
| Orlette Gjerde | Orlette Gjerde | Rt 1 Thief River Falls, Mn. |
| Allan P. Gjerde | Allan P. Gjerde | Rt 1 Thief River Falls Minn. |
| Ferne Ranum | Ferne Ranum | 524 Riverside Drive TR Falls, Minn. |
| Eldon Ranum | Eldon Ranum | same as above |
| Lee Johnson | Lee Johnson | Rt 1 T.R.F., Minn 56701 |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Anton P. Kaser | Anton P. Kaser | T.R. Falls |
| Hugh Simonson | Hugh Simonson | TRF |
| Tom Wold | Tom Wold | T.R.F. Sanders |
| Kaylynn Wold | Kaylynn Wold | T.R.F. Sanders |
| Cheryl Srnsky | CHERYL SRNSKY | St. Hilaire Rt. Box |
| Lacy Langevin | Lacey Langevin | Rt 1 Box 188 |
| Susan Meyer | Susan Meyer | Rt 1 Box 208 TRF |
| John F Ellison | John F. Ellison | St. Hilaire Mn (Sanders) |
| Arthur A Cameron | ARTHUR CAMERON | RFE TRF |
| Joyce R Swanson | | Rt. 5, TRF |
| Marvin M Robertson | Thief River Falls | R5 |
| Leonard G Geske | Leonard G. Geske | RT 5 T.R. Falls |
| John Geske | John Geske | T R Falls |
| Anna Dyrdal | Anna Dyrdal | Rt 1 T.R. Falls, Mn. |


## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area


| Signature | Name | Address |
|---|---|---|
| Ken McKercher | Ken McKercher | St. Hilaire |
| Maureen Steiger | Maureen Steiger | 1404 Birch Hill Rd |
| Bryan Steiger | Bryan Steiger | 1 |
| Bruce Steiger | Bruce Steiger | Rt 1 Solvacka Mn |
| Aggie Welch Hegtvedt | Aggie Welch Hegtvedt | 215½ E 3rd St. TRF |
| Ole Hegtvedt | Ole Hegtvedt | " " " |
| Roger Lease | Roger Lease, Welch Hotel, Thief Riv Falls | |
| Mary Ann Welch | Mary Ann Welch, 109 W. Kendall Ave. Thief R.F. | |
| Myrtle Flowers | Myrtle Flowers, Box 242 Thief R. Falls | |
| June Steiger | JUNE STEIGER 1404 BIRCH LANE, TRF | |
| Elmer S. Roswell | Elmer S. Roswell Box 242 Thief Riv Falls | |
| Eugene M. Lull | Eugene M. Lull, Welch Hotel, Thief Riv Falls | |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Richard L Ewing | Richard L. Ewing | P.O. Box 37, Viking, Minn. 56760 |
| Robin F. Asp | Robin F. Asp | Rt 1 Box 140 Thief River Falls, MN 56701 |
| Elaine Swenson | Elaine Swenson | Rt 1 Box 125 T.R.F. MN 56701 |
| Elroy Jensen | ELROY JENSEN | Box 21 Viking Minn 56760 |
| Alvin Asp | Alvin Asp | Rt. 1 Box 140 Thief River Falls 56701 |
| Kenneth Asp | Kenneth Asp | Rt 1 Box 34 T.R.F. |
| Alvin Nygaard | Alvin Nygaard | Rt-1 T.R.Falls Mn |
| Mrs. Harvey Loeslie | MRS HARVEY LOESLIE | R 2 WARREN 56762 |
| Mr. Harvey Loeslie | MR. HARVEY LOESLIE | R. F. D. 2 WARREN 56762 |
| [illegible] Arnold | Arnold | RFD 5 Thief River Falls |
| Forest Armstrong | R.1 T.R. Falls Minn. | |

4-426

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Cathy A. Seaverson | Cathy A. Seaverson | 711 N. Dewey |
| Deborah L Tveit | Deborah L Tveit | Box 145 Thurmer |
| Deb Westlake | Deb. Westlake | 715 N. Dewey |
| LaVon M Lannoye | LaVon M. Lannoye | RR6 Box 335 T.R.F. |
| Jean W. Ekern | Jean W. Ekern | Newfolden |
| Julie LeDuc | Julie LeDuc | 703 N. State |
| Harry Axelson | Harry Axelson | R.t.1 T.R.F. |
| Mary Lian | Mary Lian | Nashwauk, Minn. |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Jim Haseby | Jim Haseby | St. Hilaire, Mn. |
| John Akonickson | John Akonickson | Plummer, Minn |
| Jon Krause | Jon KRUSE | St. Hilaire |
| David Hoglo | David Hoglo | St. Hilaire |
| Linda D Drisey | Linda D. DRISEY | St Hilaire |
| Jim Hoglo | Jim Hoglo | St Hilaire |
| Ronald Rondorf | Ronald Rondorf | Thief River Falls |
| Jodel Rondorf | Jodel Rondorf | Thief River Falls |

4-427

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Don Isaacson | Isaacson | 1148 Little John Ct - TRF |
| Robert Michalicek | Robert Michalicek | Rt 3 Box 103 TRF |
| Scott Hetherington | Scott Hetherington | 323 N Atlantic TRF |
| Scott Niemela | Scott Niemela | 1740 Spruce St. Steam Plant Hunter |
| Ryan Nikko | Ryan Nikko | 11866 Conway St. Stone Quarry - Hunter |
| Kevin Nonesa | Kevin Nonesa | 11013 Oak St. Cavaliers Mudhunter |
| Carol L Schmitz | Carol Schmitz | Rt. 3 Box 38, TR Falls |
| Eric E Nelson | ERic E Nelson | ST Hilair |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Paul Mehrkens | Paul MEHRKENS | RT 4 TRF MN |
| Arlene Kotrba | ARLENE KOTRBA | 413 So Markley TRF Minn |
| Mary Scheunemann | Mary Scheunemann | 413 S. Markley TRF |
| Dan Olson | DAN OLSON | RT. 1 VIKING, MN. |
| Theresa Melvie | THERESA MELVIE | Viking, Minn |
| Ardeene Hugo | ARDEENE HUGO | Viking, MN |
| Kristi Melvie | KRISTI MELVIE | Viking, Mn. |

4-428

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Ella Dahlen | ELLA DAHLEN | Thief River Falls |
| Betty Olson | Betty Olson | (3 Route) 1 Thief River Falls |
| EVELYN SWANSON → | Evelyn Swanson SIGNATURE | Thief River Falls Rt#1 |
| PEARL HEIGENSET | Pearl Heigenset | " " |
| ~~Diane Colby~~ | ~~Diane Colby~~ | ~~Brandt, Hill~~ Route 1 |
| Janice Olson | JANICE OLSON | TRF |
| Nadine Kozlowski | NADINE KOZLOWSKI | Route 1 |
| LaVerne [illegible] | LaVerne [illegible] | [illegible] |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Ralph K Lockman | RALPH K LOCKMAN | Goodridge Mn |
| Lillian Klockman | Lillian Klockman | Goodridge, Mn. |
| Pauline Ptacek | Pauline Ptacek | Goodridge, Minn |
| Chester Woods | | Thief River Falls |
| Charles Sorenson | T.R. Falls | |
| Norman L Olson | TR Falls | |

4-429

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Everett Fleschle | Everett Fleschle | Twp<br>Polk Center |
| Ila Fleschle | Ila Fleschle | Polk Center |
| Dale Huot | Dale Huot | Rocksbury |
| Lori Huot | Lori Huot | Rocksbury |
| Teresa Daugherty | Theresa Daugherty | Pennington Twp |
| A M Satzow | A M Satzow | Pennington Twp |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Sandra Donaldson | SANDRA DONALDSON | 410 7th Ave S GRAND FORKS, ND 58201 |
| Laura Muraski | Laura Muraski | 2111 4th Ave N Grand Forks, ND 58201 |
| Sharon Lambeth | Sharon Lambeth | 1909-20th Ave S Grand Forks ND 58201 |
| Lenard W. Wyckoff | Lenard W. WYCKOFF | 1603 BACON BLVD GRAND FORKS ND 58201 |
| Matthew Dordal | MATTHEW DORDAL | GRAND FORKS ND 58201 |
| D C Munsky | Douglas C. Munsky | 2111 Forth Ave N Grand Forks ND 58201 |

4-430

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Howard Hesse | HOWARD HESSE | St Hilaire |
| Carl Hansen | CARL HANSEN | St Hilaire |
| Steve Roman | STEVE ROMAN | St Hilaire |
| Mark Drury | MARK DRURY | St Hilaire |
| Jane Drury | JANE DRURY | St Hilaire |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| [signature] | Paul Duesmith | Rte 1 Thief River Falls |
| [signature] | EDFRED AVERS | RT 1 THIEF RIVER FALLS |
| [signature] | Larry Rud | Rte 3 Warren, Mn |
| [signature] | EARL R ERICKSON | Viking Minn |
| [signature] | Kim Fanfulik | Rt 5 TRF |



## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| [signature] | | Route 5 RTF |
| [signature] | Elta Stalboerger | TRF Minn 56701 |
| [signature] | Marilyn Swanson | Rt 5 TRF Minn 56701 |
| [signature] | Norma Swanson | Rt 5 Thief River Falls Minn 56701 |

## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Diana McBride | Diana McBride | Rt 1 T.R.F. |
| A.S. Richard | A.S. RICHARD | Rt. 1 T.R.F. |
| Nancy Pedersen | Nancy Pedersen | Rt 1 Box 122 T.R.Falls |



## Petition

We, Concerned Citizens, strongly oppose the location of the Over-The-Horizon-Backscatter Radar Project in the Thief River Falls Study area

| Signature | Name | Address |
|---|---|---|
| Susan Higginbotham | Susan Higginbotham | Rt. 1 Goodridge |

Donald D. and Betty Lou Olson
Rural Route 1, Box 111
Thief River Falls Minn
56701

October 23, 1986

G2

Dear Sir;

For the record we wish to state that we are absolutely, positively opposed to the Over-the-Horizon Backscatter site proposed near Thief River Falls.

We do not wish to lose our home, we do not want to lose wildlife area, and we do not want a Backscatter radar site built. We believe this radar site is becoming obsolete even as we discuss it, and all that would be gained by building is a total disruption of a way of life for those of us who live in the area

Donald D. Olson
Betty Lou D. Olson

4-433

Chief Rivers Hello, Minn.
Lat 48 - Long 96
Oct. 24, 1986

Lt. V. G. Brown
E.S.D - S.C.C.
Hanscom Air Force Base, Ma 01731

RECEIVED
NOV 03 1986

Dear Sir:

I attended the last public information meeting last Thur. held in Chief Rivers, Hello. After looking over the data concerning the possible location of a O-T-H-B. just west of Chief River, I came to the conclusion that the 50 jobs it would provide, would be a good thing for Chief River & the surrounding area. Most of the population of Ran county lives within the city limits of Chief River Hello and about 12 miles east of the proposed radar installation, so I feel the health risks would be minimal & negligible. Some of the farmers living near the proposed site are opposed to it, but they would be overruled if the majority of the citizens & jobs Inc. plus the City Council favor the installation. I'm in favor of it because maybe I can get a contract with the Air Force, and use our Cherry Picker Boom Truck on the erection of the Antenna.

Sincerely
Charles Kruse

4-434

RECEIVED
13 NOV 86

Oct. 27, 1986

Lt. V G Brown G1, G2, G3, G4, G6, G8, G9

In response to the OTH B radar system for the central area, I feel it should not be located in a prime agriculture area. Our area is on the edge of the Red River Valley which has some of the most productive land in the world. As a farmer I do not believe land such as this should be used for anything other than the production of food. The OTH B system should be put on non productive land.

The comment period from the time EIS came available to the public hearing was too short with the public hearing being on Main Election nite. This study came out in the middle of our harvest, which is the busiest and most important time of our year. I feel I have not had sufficient time to study the impact statement as thourough as necessary.

Our farm economy is very oppressed at this time, I feel land prices will be appraised to low especially if someone is forced to sell. It has been only a few years since land values were much higher so a lot of land may have loans much higher than the appraised value, this I feel has to be taken into consideration when buying. Will you use Eminate Domain if needed.

Upon decommission, I feel if this project were to be located here or on agricultural land that it be reverted back to agricultural use and sold to private individuals so that we may have local ownership again.

I do not understand why the Eastern and Western sites could not be expanded to cover more area such as a 240 degree or more to cover our southern areas, and use regular radars to cover the center holes.

As a township supervisior I would like to know how you are going to negociate with Township and county officals for the lost revenue on the taxes. We will be at a great disadvantage so how will it be done fairly.

We operate the type of business band radio for our farm. Will this be affected and if so what range from the OTH-B site will there be no affect and if we are affected what can you do to remidy that type of situation? What affect on t.v. will this have and if it is a problem how will you remidy the problem. As an example would cable t.v. be an alternative that you would provide.

I am not sure that all the dangers are known and if it is found that there are more hazards that would endanger humans or animals in the near areas what steps would you use to correct the situation? Our ground is very conductive and therefore RFR s may not be the same power as projected.

How man, civilian jobs will their be on this project during operation and will any be hired from local labor force, what will the wages be?

In our farm operation we do a lot of welding at times and also portauls welders used for field repair. Will we have restrictions on use?

I understand there is a flight pattern between Thief River Falls and Grand Forks. Is that true? If so how wide of a strip is used for this and how far from the receive site does it have to be. Can this flight pattern be changed to suit the need and if not why is area included in the EIS.

In conclusion I feel this would completely change our way of life, and our local economy. What little benefit derived from employment will be off set by loss of our AG community including AG business which rely on the production from as many acres as possible.

Sincerely

Curtis and Marilyn Swanson
Route 5 Box 83
Thief River Falls, Mn. 56701

4-435

3 Nov 86

Lt. V. G. Brown
ESD-SCO
Hanscom Air Force Base, MA 01731

Dear Lt. Brown:

At a Special Meeting held in the Norden Town Hall, Pennington County, Minnesota, an unanimous vote was cast in opposition to the Over the Horizon Back Scatter Radar Project.

Norden Township
Floyd Hallan
Clerk

Route #1 Box 61

Rte. 5 Box 72
Thief River Falls, MN 56701
October 25, 1986

Lt. V. G. Brown
Hanscom AFB, MA 01731-5000

G1, G2, G6, G8, G9

Dear Lt. V. G. Brown:

I am writing this letter in regard to the OTH-B radar project that would include a receive site near Thief River Falls. I feel that the residents of the townships and the city of Thief River Falls have not been informed enough about the project. I question the amount of information that the supporters of this project have had, as when the mayor and a commissioner were asked if they had read the Environmental Impact Statement, they said they had not. How can they support something of this magnitude without getting all of the information available on it? Why was Jobs Inc. involved in this project, and not the residents of the townships in the study area? It is our land that is involved and our way of life. Why didn't the Air Force have an Environmental Impact Statement sent to each household in the study area?

If my neighbor decides to sell or lease his land to the Air Force, how will that affect the value of my land?

On page S-8 of the EIS, a sentence states that because the mission requirement would not be satisfied, the Air Force would continue to study the need for and methods to achieve the mission. Why the need to study it further? What is the need for this project?

On page S-5, it states that exposure to RFR may or may not cause irreversible tissue alterations. S-6 states that most investigations involving chronic exposure of mammals indicated either that no effects occurred or the reversible, noncumulative behavioral or physiological effects took place for average power densities exceeding 1 mW/cm². The next sentence mentions irreversible adverse effects of exposure were found. It is for this reason that I oppose this project. I work with humans, not machines, and I believe if there is any danger to anyone due to RFR, this project should not be done, whether it be the transmit or receive site. 196

Another concern are the EEDs. I have been told by a telephone employee that we live in a "good grounding area", C-40 states that all EEDs are ignited electrically and hence are subject to accidental ignition from the following:
Lightning direct hits- Lightning protective systems normally preclude the inadvertent ignition of EEDs by direct lightning strikes. Do we have to fear that one may be ignited during a thunderstorm? We have a lot of thunderstorms in this area. 197

How many civilians would be employed during the construction and during the operation of this project? What type of security clearance will there be for permanent jobs for the receive site? Is the project likely to bring in a significant amount of income to the city of Thief River Falls? Is it likely that the people working at the receive site would live in Grand Forks instead of Thief River Falls, and commute in crews for their 8-hour shifts?

How can the ERS and the CRS be compared? With the ERS having only one of the four redundant arrays that the CRS would have, and not operating for 24 hours a day, when the CRS would operate continuously, how can a comparison be made? The ERS only logged 900 hours of transmit time. What was the term in of using? If it is mainly forest land, wouldn't the effects on a farming community be different? 198

On page 5-67, it states that because the proposed action is the construction and operation of a large HF radar transmitter, the potentially affected environment extends far beyond the immediate study area, and at times might include almost any part of the world. Does this not mean that the danger can go beyond the exclusion fence, and that many peoples lives may be affected? 199

These are a few of my concerns regarding the OTH-B. I am glad that I had the opportunity to read the Environmental Impact Statement, even though there is so much that I could not understand. Most people have no idea of what this project is about. If the information had been delivered to each landowner or resident, we could have made a better decision of whether to support this project or not.

Thank you for letting me share my concerns with you.

Sincerely,

Arlene Jagol

Arlene Jagol

4-436

Thief River Falls, Mn
Oct 24, 1986

Lt V D Brown
ESD - SCO
Hanscom Air Force Base, Ma 01731

RECEIVED
NOV 03 1986

Sir:

I am writing in regard to the proposed Over the Horizon Backscatter Radar Project that you want to set up in the Thief River Falls area in Minn.

We are farmers and land owners in the proposed area west of Thief River Falls and are very much opposed to such a project because of environmental and possible health reasons.

Thank you
Norm Anderson
Brenda Anderson

4-437

RECEIVED
NOV 05 1986

October 29, 1986

Lt. V. G. Brown
ESD-SCO
Hanscom Air Force Base
Maine 01731

Dear Lt. Brown:

I recently attended a public meeting for the over the horizon backscatter radar system proposed for the Thief River Falls area. Since they asked us to respond to the Air Force, I am taking time to do this.

I have lived in the area for five years and am acquainted with some of the opponents and proponents of this system. I also think I have a good understanding of business and community affairs.

My assessment is that this area needs this OTH-B project for a number of good reasons. Selfishly, most of them would be economic ones. But I am a realist and pro-growth and see that the benefits to this project far out weigh the inconveniences.

The land you propose to use is not very productive farm land. I have hunted at Goose Lake refuge a number of times, near the site. The land has drainage problems which create difficulty for farmers during wet years. I would think that farmers in that area may look favorably at a chance to sell their land at a price not driven by effects of the farm economy. They could even take the money and relocate on more desirable land at today's depressed prices.

The additions to local employment would be welcome to a town who has been actively soliciting business to move here. Also, having fifty people move to the area creates new demands on area businesses, which will strengthen our local economy and tax base.

Anybody opposed to the receiver site, does so only for personal reasons. I also believe those who oppose the system are being mis-informed about potential health risks involved with high frequency radar.

(page 2)

In our public meeting, it was brought out that at the receiver site, the risk from radio waves would be insignificant compared to what levels we are being exposed to in everyday life. So I believe the health risk issue was disposed of.

It is my belief that this project offers a number of benefits to the Air Force as well. A willing work force, a town that welcomes business and terrain that would not create a lot of construction problems.

For many good reasons, I am for the OTH-B radar site to be located near Thief River Falls, Mn. I also believe that the majority of people, both in and out of the city are in support of this important project as well.

Sincerely,

Keith Hoverstad
1223 Edgewood Drive
Thief River Falls, Mn. 56701

4-438

Oct. 29, 1986

Dear Sir. G4, G8

RECEIVED NOV 05 1986

We are opposed to the Radar Receiver Site, being located in our area.

We don't feel the health effects have been fully examined.

Also, when that land is turned over to the government, it will most likely be lost for good.

Mr & Mrs. Martin Solseng

M GIERDE
14095 NONA LANE
WHITTIER CA 90602 30AM

Western Union Mailgram

4-0316418303 10/30/86 ICS IPMRNCZ CSP BSNB
2136988069 MGMB TDRN WHITTIER-WC CA 157 10-30 0145P PST

LIFUT V.G. BROWN
CARE HEADQUARTERS ELECTRONIC SYS DVSN
OVER THE HORIZON BACKSCATTER SYSTEMS PROGRAM
OFFICE
HANSCOM AFB MA 01731-5000

RECEIVED
NOV 07 1986

G2, G3, G8

I STRONGLY OPPOSE THE THIEF RIVER FALLS LOCATION OF THE OTH-B RADAR PROJECT. THE AIR FORCE SHOULD BUILD FACILITIES ON ALREADY OWNED GOVERNMENT LAND, NOT ON A FARMLAND OWNED BY THIRD AND FOURTH GENERATION FARM FAMILIES. ALSO, IT IS WELL ACCEPTED THAT THE OTH-B'S DETECTION ABILITY IS QUESTIONABLE, PARTICULARLY IN COLD CLIMATES SIMILAR TO THAT OF THE BELOW 50 DEGREE MINNESOTA WINTER. ADDITIONALLY, THE 1983 GAO REPORT RECOMMENDS THE AIR FORCE REASSESS THIS SYSTEM IN LIGHT OF OTHER MORE SURVIVABLE AND COST-EFFECTIVE ALTERNATIVES. FINALLY, QUESTIONS ABOUT THE HEALTH AFFECTS OF RADAR HAVE NOT BEEN SATISFACTORILY ANSWERED. THE INTERNATIONAL UTILITY SYMPOSIUM HELD IN TORONTO CANADA SEPTEMBER 14-19, 1986 DECLARED CHRONIC EXPOSURE TO MAN MADE ELECTRO-MAGNETIC ENERGY TO BE A BIOLOGICAL STRESSOR WITH CLINICAL PUBLIC HEALTH CONSEQUENCES. EXPOSURE RESULTS IN ALTERATION OF METABOLISM OF ALL BODY SYSTEMS, INCLUDING NERVOUS ENDOCRINE CARDIOVASCULAR HEMATOLOGICAL, IMMUNE AND REPRODUCTIVE. WILL CONTACT ALL MY ELECTED REPRESENTATIVES AND INCLUDE ALL MEMBERS OF THE APPROPRIATION COMMITTEES.
MARY GIERDE RTE 1 ANGUS MN 56712

16:58 EST

MGMCOMP

4-439

200

TO REPLY BY MAILGRAM MESSAGE, SEE REVERSE SIDE FOR WESTERN UNION'S TOLL FREE PHONE NUMBERS

5241 (R 7-82)

# JOBS INCORPORATED

RECEIVED
NOV 14 1986

November 3, 1986

Colonel James A. Lee, Director
Over-The-Horizon Radar Systems
Headquarters Electronic Systems Division
Hanscom Air Force Base, MA 01731-5000

Dear Colonel Lee:

It is a very minor group opposed to the City Council's Reaffirmation, as it is the wishes of their constituents to continue to favor the OTH-B project.

The City of Warren and their County Commissioners have also polled their constituents and have arrived at the same results.

The names of the land owners who we supplied remains intact. No one has asked to have their name withdrawn.

Very truly yours,

JOBS INCORPORATED

T. E. Kerville
Consultant

TEK:ct

Enclosures

P.O. BOX 528
THIEF RIVER FALLS
MINNESOTA 56701
(218) 681-7387

Monday, Oct. 27, 1986

A FREE PRESS SERVES A FREE PEOPLE

# EDITORIAL OPINION

*Thought Provoking Comment On Subjects Of Public Interest*

## Backing Backscatter . . . One Person's View

Fervent opposition to locating a receiver site for the Over-the-Horizon Backscatter (OTH-B) radar system in the Thief River Falls area has generated discussion and brought up points of concern that we believe were important. It's good to have divergent views presented so that they can be weighed and studied and evaluated. That's America in action.

But our views have changed little since the U.S. air force first explained in Thief River Falls what it would like to do in this area as part of the national defense program. On the basis of access to available technology, knowledge of system success and familiarity with strategic needs of the nation, the air force would have to be considered the experts. We have to trust their judgment and we have to believe they are sincere in their assessment of need.

Evident in the opposition to the system is a deep-seated distrust of government — especially the federal government — that is very disturbing. It is disturbing because the distrust is not entirely unwarranted, and our federal officials must look inwardly for the reasons those suspicions exist.

Although we recognize the concerns which those as close to the situation as having their own lands considered apparently share, we do not harbor the same fears that have been repeated in letters and comments over the past several weeks.

For instance, we don't believe there is enough electromagnetic energy nor radiation from the receiver site to pose any hazard to anything. It should be no more dangerous than the dish antennas seen in many rural yards, no more of a threat than lying in front of a color television set.

Given the state of the nation's agricultural situation, the concern about taking "prime farmland" out of production seems unwarranted. (For the individual whose farmland may be involved, the personal question is different.) Should the nation find itself faced with a lack of farmland at some point in the future, the backscatter radar areas could again be available since the land would still be there.

Loss of tax revenue could be worth considering on a county or school district basis, but we feel individual townships which generally levy only a mill or two would probably stand to gain due to improvements or services the air force is likely to provide.

There could be some inconveniences due to rerouting of roads, but we see no problem with ditches or water courses. Even the federal government would be hard-pressed to defend itself for altering water courses and thereby causing hardship.

Associating the OTH-B site with the nuclear waste repository study is pure paranoia. Overlapping of areas is purely coincidental, and we have no doubt of that. It would very likely be much more difficult for one federal agency to acquire land from another federal agency than for either to acquire land from the general public.

It is good that concerns have been expressed and that they have been forwarded to the air force. It is good that meetings have been held and that the public has become informed and involved. It is too bad, however, if this is made out to be a city versus rural area issue, for it certainly should not be so.

This writer supports the project because it appears that the benefits will outweigh the disadvantages. A favorable balance is about all that can be asked in community development. Others choose to view the situation differently and that is their privilege; we have no quarrel with that. But until we are shown more than speculation on problems and motives, we will continue to back the backscatter radar program.

4-440

Thief River Falls
# THE TIMES

324 Main Avenue North; Thief River Falls, MN 56701 Wednesday, October 29, 1986

# Gas Rates And OTH-B Discussed By Council

Gas rates in Thief River Falls and a new recommendation of approval for the Over the Horizon Backscatter (OTH-B) radar system were discussed at the Thief River Falls city council meeting Tuesday night.

Tony Rader of Thief River Falls appeared before the city council to inform the council that he had talked to the attorney general of Minnesota about the high automobile gas rates in Thief River Falls, and to also ask if he was aware that gas prices in Thief River Falls were higher than in area towns.

Rader reported that while the average gas price in Thief River Falls was 91 cents, the average gas price in surrounding communities, including Crookston, Red Lake Falls, East Grand Forks and also Moorhead, was below 80 cents. He said he was aware that different situations in those communities account for some of the differences, but not much of it.

Mayor Bob Carlson and several of the councilmen agreed that gas prices in Thief River Falls were high. Mayor Carlson said that if Rader stopped 50 people on the street and asked them what they thought of the gas prices, all would probably say they were high. But he said he did not think any price fixing was going on.

Mayor Carlson said he was on record as having criticized high gas prices. He said he had also talked with LeRoy Bugge and Bugge said he would open his books to the public so they could see his profit margin. City Attorney Bob Wurst said the council is concerned, but added that prosecution (price fixing) is outside of the domain of the city. It would have to be a state function.

Alderman Milan Borsheim said he would have to concur with Rader but said he believes his hands are tied when talking about free enterprise.

Alderman Kenneth Murphy said he too would have to support Rader, because he has seen the price variations first hand. He also said people have pointed out to him that people outside the community do not shop here as much as they would because they feel gas prices are a reflection of retail prices generally.

The Thief River Falls city council unanimously approved a motion approving of the Over the Horizon Backscatter (OTH-B) proposed radar site near Thief River Falls.

The resolution reads: "Whereas, the local development cooperation, Jobs Incorporated, has actively solicited the siting of the U.S. Air Force's Over The Horizon Backscatter (OTH-B) Radar Receiver facility for Pennington county; and whereas, the Draft Environmental Impact Statement and all other reliable information indicate that the OTH B Receiver facility represents no threat to public health and will create minimal detrimental environmental impacts, and whereas, construction of the facility will require employment of 125 to 200 construction workers, including some hiring of certain local skilled persons, over a three to five-year period and permanent employment of up to 50 civilian employees, now therefore be it resolved that the city council of Thief River Falls of Minnesota does hereby strongly support Jobs Incorporated in its efforts and reiterates the city's strong interest in having the U.S. Air Force select Pennington

(Continued on Page 6)

# DAC Staff Gives Its Comments On Group Suspension

## Gas Rates And OTH-B Discussed By City Council

(Continued from Page 1)

county as the site for the OTH-B receiver facility."

TIMES

## Letters to the Editor

10-29-86

(Editor's Note: The following letter to the editor contains further information on the OTH-B radar system proposed for location in the Thief River Falls area. It is being published under a headline to increase public attention to the content and with approval of the writer.)

To The Editor:

During the past two months I have taken an interest in the proposed Over-The-Horizon Backscatter Radar site near Thief River Falls. When I first received information about this project, I had a number of concerns and questions about how it might affect our farm and our community. It became apparent that many other local residents felt that these questions had not been adequately answered by the Air Force.

Since September 9, when I attended a public hearing on the OTH-B radar project, I have spoken to many area residents in both formal and informal settings. Most of the townships in the "study area" have had meetings to review any information we could gather.

The latest of these meetings was held on October 23 at the city auditorium in Thief River Falls. I had been told by many people in the area that they felt they had only been given a limited amount of information by those favoring the project and they felt that the potential negative effects had been downplayed. Because of this perception, I agreed to take responsibility for calling a meeting in Thief River Falls to present this side of the issue.

With this in mind, I spent a great deal of time and resources researching the issues to provide knowledgeable speakers, handouts and for the rental of the auditorium. I am sad to say that some of the speakers were insulted and harassed by persons that should have been above resorting to such childish tactics. I would like to extend my profound appreciation to the speakers for giving their time and energy to addressing our local concerns.

There are still a few issues that have not been adequately addressed. I contacted the Army Corp of Engineers to ask about the methods used for land acquisition. We all know that "fair market value" of the local land is much lower today than it was a few years ago. The director of land acquisition at the Omaha office indicated that, for any land to be acquired through eminent domain, the amount paid for the land and perhaps still owed on it would probably not be considered in the appraisal process. An individual who had purchased land on a contract-for-deed or had a mortgage for more than the current "fair market value" could lose the land to the air force and still have to pay the difference to the seller or bank. Farmers, if they choose, may have to go through the courts to argue that their land was worth more than the "appraisal value" and then pay all legal fees if they lose the case.

I also spoke with Bill Clausen, the director of the High Level Radioactive Waste Program for the Governor's Nuclear Waste Council. He stated that the Department of Energy is presently conducting tests with Canada on underground nuclear waste storage near Winnipeg. The siting process which covered our area was only temporarily discontinued. It could be re-instituted at any time.

I also had an opportunity to speak to a representative of the General Accounting Office last week. This agency evaluates the cost to benefit ratio of various projects at the request of Congress and makes recommendations on whether they should be carried out. This individual told me that in 1983 the GAO recommended that the plans for the entire OTH-B radar project be reconsidered. (I have a copy of a summary of this report for anyone who is interested in reading it.)

On June 9, 1986, another report was issued at the request of Congress (GAO/C - IMTEC - 86 - 1) which recommended that funding for the east and west coast radar facilities be limited to the present levels and that the Central Radar System (for our area) should not be funded at all.

Congress has not yet appropriated the money for this radar project. Even though the public comment period for the Air Force will end this Friday (Oct 31), citizens may still write to senators and congressmen to ask that they not fund a project which has been determined to be unnecessary. If the Department of Defense succeeds in obtaining Congressional suport and purchases the land, should the project then be found to be unneeded for National Defense, what will be done with the land at that point?

If this project is located here, we will be exchanging agricultural income that is presently being spent at area businesses for the possibility of an unknown number of jobs for the local labor pool. We will be allowing a general devaluation of surrounding land and residential property in favor of an entity which pays no taxes. I feel that this trade-off is unacceptable.

It is especially sad that this issue has split the rural and city governments' interests. Some of the townships have passed resolutions opposing the project. Petitions circulated for the past month have accumulated over 550 signatures against locating the radar site here. It would be nice if the city and rural areas could do a better job of considering each other's concerns.

Donovan Dyrdal

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NATIONAL FARMERS ORGANIZATION

NATIONAL HEADQUARTERS
720 DAVIS AVENUE
CORNING IOWA 50841
515/322 3131

RECEIVED October 28, 1986

OTH-B
Lt. B.G. Brown, ESD/SC
Hanscom AFB, MA 01731

As members of the Minnesota National Farmers Organization (NFO) at our state convention took a stand in opposition to the OTH-B Radar System with the following resolution, which was passed and approved.

8. BE IT RESOLVED, that the Minnesota National Organization is opposed to using prime agricultural land for purposes other than agricultural production (i.e., Over The Horizon Back-Scatter Radar System, nuclear waste disposal sites, etc.) that would have unknown effects on life and land.

Please be sure that this is included in the final DEIS. Thank you.

MN NFO

C.C. Govenor Rudy Perpich
Room 130
State Capitol
St. Paul, MN 55155

Commissioner of Agriculture
State of Minnesota
90 West Plat Blvd.
St Paul, MN 55107

Minnesota Public Interest Research Foundation
2412 University Avenue S.E. Minneapolis, Minnesota 55414
Phone (612) 376-7556

G1, G2, G4, G6, G8 November 26, 1986

**Radioactive Waste Project**

RECEIVED 02 Dec 86

Lt. V.G. Brown
ESD/SCO
Hanscom Air Force Base, MA.
01731

RE: Comments on the DEIS for the Over-the-Horizon Backscatter Central Radar System

Dear Lt. Brown:

I am submitting these comments on behalf the Minnesota Public Interest Research Group (MPIRG) as well as the Radioactive Waste Project. MPIRG is a state-wide organization with approximately 18,000 members on nine college campuses throughout Minnesota. We are a consumer advocacy and environmental protection organization which has been in existence since 1971. I am attorney practicing in the areas of environmental and public interest law for seven years.

MPIRG is concerned about the enviornmental and public policy impacts of the proposed OTH-Backscatter radar system. The draft EIS fails to fully address the need for the proposed system in light of a General Accounting Office (GAO) report dated June 1986 which recommends that the central radar project not be funded by the Congress. (See, GAO/C-IMTEC-86-1). It appears the proposed project is little more than a boondoggle and waste of taxpayer money. Further, new aerospace technology appears to make the project obsolete before construction has even begun. I am referring to the "stealth" aircraft which can fly lower than the detection system.

Moreover, we are especially concerned that the proposed sites in Minnesota, in particular the Thief River Falls site, overlaps significantly with the proposed high level radioactive waste sites identified by the federal Department of Energy in January 1986. What guarantee do the people and state of Minnesota have that these lands will not be used by the DOE for the disposal of high level nuclear waste? Given the fact that the GAO has recommended that the central radar project be scrapped by Congress, your continuing to pursue the project looks very much like a subterfuge for accquiring the land for the DOE.

In addition, we are concerned that the DEIS fails to address the public policy questions which are raised when productive farmland, some of the best and richest farmland in the world, may be taken out of production for an obsolete radar system. While the DEIS states that a minmum of 2400 acres will be needed, it does not state what the maximum number of acres will be. Nor the report adequately address the impacts on the local community from taking this land off the tax rolls. The loss of productive farmland has a multiplier effect throughout the state economy, the DEIS fails to discuss this.

Further, there is insufficient data on the health effects associated

4-442



with long term exposure to non-ionizing radiation. There is absolutely no justification for risking the health and safety of rural Minnesotans and taking rich farmland out of production for a system that isn't needed. Scientists are just beginning to understand the effects of microwave radiation, until more studies have been done and more information is known, innocent citizens should not be guinea pigs for the United States Air Force.

Finally, we would like to adopt and incorporate by reference the attached comments submitted by the Minnesota Pollution Control Agency. We agree with the MPCA that the Draft EIS does not adequately address the impacts of the proposed system on surface waters in the area nor does it adequately address the health and safety issues.

Having spoken with people who attended the first hearing on the DEIS I am appalled by the attitude of air force personnel towards concerned citizens who are trying to find out information and participate in a democratic process. The purpose of an environmental impact statement is to give policymakers a document which examines alternatives to a proposed action and looks at mitigation measures. Citizens from an affected area, who know the land, are in the best position to give feedback on alternatives and mitigation. By dominating half the meeting talking about the proposed system and then cutting off people who want to speak and have waited patiently to do so, the air force exhibits a callous disregard for citizen participation and citizen involvement in the democratic process. If you felt time was needed to explain your project, the appropriate thing to do is to hold a public information meeting. Once citizens have shown up for a meeting, it is rude to stop the proceeding before all who wish to speak have spoken. Even the DOE did a better job than you in soliciting public comments.

In summary, we believe the DEIS has failed to address the need for the proposed action, the economic and policy issues of taking a minimum of 2400 acres of rich farmland out of production, the impacts of the project on surface water, and the health effects of long term exposure to microwave radiation. Further, in conducting the public hearings on the DEIS the Air Force violated the spirit, as well as the intent, of the National Environmental Policy Act.

Thank you for the opportunity to comment on the DEIS. I look forward to your response to these and other comments.

Very truly yours,

Barbara J. Johnson, attorney
Project Director

Note: The enclosed agency comments are not reproduced here; the original letter can be found in Section 4.2.1.

RECEIVED
02 DEC 86

Red Lake Falls, MN
November 22, 1986

HQ Electronic Systems Division/SCO
OTH-B Systems Program Office
Attn: Lt. V.G. Brown
Hanscom AFB, MA 01731-5000

Dear Sir:

We attended a meeting November 20th at Thief River Falls, Mn in regard to the OTH-B radar project by the Air Force for this Area with Col. Lee representing. This meeting was very nicely handled, with all who desired to present questions and comments being given every consideration.

Since we have attended a number of these meetings plus those held by the opposition groups, one salient fact kept emerging. The opposition is successfully misleading many people, especially where the pocketbook is concerned.

As senior citizens, we vividly recall Pearl Harbor, and dread the prospect of something like that and worse happening again, particularly now that so much expertise and ability to prevent any kind of enemy attack is available. No defense is of any use unless it is complete. We cannot leave a large section of the country without the OTB"H radar coverage, nor can we wait until this system is needed and then expect it to be built in time to be of any use. We need it NOW, and if something better comes along in a few years, it will still have served its purpose.

We are writing to our Congressmen urging their support for the Air Force efforts on the OTB-H project for the Thief River Falls area, and expressed our concern that you not be dissuaded by the opposition you have encountered at meetings and written comments. At present they represent a far more serious danger than the actual enemy because their apathy and self-concern allows no room for the need for the protection you can provide. Where does that leave the rest of us?

We personally have been in favor of the OTBNH radar project since we first learned of it at a meeting in August, as well as that of the Star Wars, and again, please don't be discouraged. You are needed!

Respectfully yours,

Mr. & Mrs. Erving Evenson

Mr. & Mrs. Erving Evenson

4-443

**Nelson Implement, Inc.**
Box F -:- Highway 59 North
Thief River Falls, Minnesota 56701 Phone: 218/681-1997

December 2, 1986

Lt. V. G. Brown
OSD-300
Hanscom A.F.B.
Hanscom, Mass. 01731

G6

Dear Sir,

As an implement dealer in the Thief River Falls area, we question the OTH-B radar project in terms of being an economic trade-off for the CRP area.

The agri-businesses in the Thief River Falls area will more than likely be adversely affected. Agri-businesses in this area do not need additional negative impacts. The loss of 2,400 to 4,000 acres permanently removed from production is considerable but there could be even further erosion in the ag community because farms surrounding the actual radar sites will be further burdened with land devaluation and higher operating costs. If land is further devalued, it may well undermine the loan portfolios of otherwise profitable farming operations.

A chain reaction effect may occur if this scenario happens in terms of agri-businesses laying off employees or closing the doors permanently, which in turn will further impact on existing non-ag businesses in Thief River Falls.

We have heard the argument that the Conservation Reserve Program will remove more land than the OTH-B radar system; however, there are some differences that should be noted:

1. The CRP is a federal policy that has been passed and funded with land throughout the nation being retired versus the Central OTH-B is federal policy that has yet to be funded and the land removed from production is much more localized.

2. Land in the CRP, like the previous Soil Bank Program, could be brought back into production as the future demands, while the OTH-B sites would be a permanent removal from production.

3. CRP land will remain on the tax rolls, while OTH-B sites will be removed from the tax rolls.

4. The CRP should help stabilize land prices and many farms financially, while the OTH-B may well destabilize land prices causing devaluation of lands surrounding the site and causing many farms financial problems.

RECEIVED
02 DEC 86

**Nelson Implement, Inc.**
Box F :- Highway 59 North
Thief River Falls, Minnesota 56701 Phone: 218/681-1997

5. The CRP nationwide hopefully will reduce surplus production and result in higher commodity prices, while the OTH - B would have little or no effect on production or commodity prices.

In closing, I would hope that the Air Force reconsider its choice of Thief River Falls as a proposed OTH-B Radar site.

Sincerely;

Joel Nelson
Nelson Imp. Inc

444-7

Route 1 Box 216A
Thief River Falls, MN 56701
December 5, 1986

RECEIVED Dec 87

HQ Electronic Systems Division
OTH-B Systems Program Office
Hanscom AFB, MA 01731-5000

G3, G4, G5, G7, G9

Attn: Lt. V.G. Brown

Dear Lt. Brown:

For the past several months, I have been expressing concern about the Air Force's consideration of the Thief River Falls site for the location of the Central Over-the-Horizon Backscatter radar system. I feel that there are a number of ways in which this facility would have an negative impact on our community. I hope that you will consider this in your selection process.

1) I found that the draft environmental impact statement presents insufficient information regarding the changes in drainage and erosion control. A great deal of further study would be necessary to determine a safe way to construct the facility with 20 miles of exclusion fence that may very well act as a huge snow fence. The soils in this area are fragile and leveling and grading an area of this size could easily result in a serious problem in erosion prevention. On my own land, in Bray Township, Pennington County, there is a 35' drop per mile in the lay of the land. A rapid snow melt or heavy rains could result in severe water erosion of unprotected topsoil, in turn silting in of waterways which could cause flooding downstream. A project of this size will require the use of flat land with none of these above mentioned characteristics. The removal of wetlands would also harm the local environment because they play an important part of the water retention area and assist in erosion control.

2) The location of the radar system will necessitate the removal of roads. This would cause the rerouting of school buses for families that live on the other side of the radar system. Also a farmer who lives on one side of the facility and farms land on the other will be faced with increased costs for transportation of farm equipment and loss of time. This loss of time and efficiency during these critical times can make the difference between profit and loss. The same thing may be said for the restriction on welding for a farmer who needs to repair machinery "on the spot". Almost all farmers do their own welding in the field and in farm shops, and having this restriction is unreasonable and unfair. The fields in this area have a large amount of rocks which can necessitate frequent repairs which often require heavy duty high amperage welding. Even though the

industrial welding shops may be located on the fringe of the Thief River Falls study area, I wonder if the farm shops which do regular maintanence on equipment which is often equivalent to construction grade machinery have been taken into consideration.

3) The Federal Farmland Protection Act was designed to maintain the agricultural output of the United States. Although it does not apply to matters of national security, I strongly feel that it should be considered because of the impact on the agricultural community. The removal of productive agricultural land on a permanent basis should not be taken lightly.

4) I am also concerned about the procedures for land acquisition. Amounts that may be considered "fair market value" today may in fact be less than the money owed on land purchased a few years ago at three times the current value. Land taken through eminent domain may result in farmers being displaced with a substantial debt that the price offered by the Air Force would not cover. While choosing to lease land for the project may provide some long term security, the projected increases in the rates for property taxes provides a disincentive and we are left with no real choices at all.

5) I am concerned that the use of the land would change to storage of nuclear wastes after the radar project is decommissioned. The majority of the sites selected for nuclear waste storage have been on previously owned federal land. Even though an additional environmental impact statement would be required, it appears to be easier to transfer land use in this way than to acquire new land from the private sector. For this reason, I am strongly opposed to federal ownership of local agricultural land for this purpose.

I hope the Air Force will take some of these concerns into consideration when making the decision for the location of this project, if indeed this project is determined necessary for national defense which in itself seems very controversial according to at least two G.A.O. reports that I am aware of. Also this area has a great deal of both large and small wildlife which would be greatly affected. I would like to repeat that a substantial amount of additional study is necessary to alleviate these problems.

Sincerely,

Donavon D. Dyrdal

4-445

14095 None Lane
Whittier, California 90602
December 2, 1986

Department of the Air Force
Headquarters Electronic Systems Division (AFSC)
Hanscom Air Force Base, Massachusetts 01731

G4

Attention: James A. Lee, Director, OTH-B Radar Systems.

Dear Colonel Lee:

I strongly oppose the location of the OTH-B radar project in the Thief River Falls area. I am convinced the entrance of the Air Force into this region will be a disaster for both land and people here.

It's known that over 90% of high-level nuclear waste and over one-half of low-level nuclear waste is generated by the military complex. The waste must be stored somewhere--and stored, apparently without regard for consequence. And there have been known and alarming consequences. According to a 1984 GAO investigation, for example, there are monumental problems with not only nuclear but also chemical military waste. Every known radwaste site (Hanford, Washington; Savannah River and Barnwell, S.C.; Idaho Falls, Idaho; Oak Ridge, Tenn.; West Valley, N.Y.; Beatty, Nev.; and Maxey Flats, Ky.) is known to be badly contaminated. As a matter of fact, I'm told by people living near Hanford that even the coyote population there is sick and deformed--and those animals are survivers!

The particular difficulty with military radwaste is the loopholes in accountability. In spite of EPA and NRC regulations, the military complex and the Department of Energy have the right to REGULATE THEIR OWN FACILITIES. Our Federal Courts have affirmed that right of self-regulation for even the most dangerous radio-active waste. At the Hanford plant, for example, high-level waste is left in storage tanks --contrary to public law--even in cases where the tanks have failed and the waste cannot be removed. Drinking water has been thoroughly contaminated at Hanford, at Idaho Falls, and over the almost entire length of the Tuscaloosa aquifer running from the military-controlled Savannah River Plant (S.C.,) through parts of North Caroline, Georgia, and Alabama. At the Oak Ridge, Tenn. plant, 2.4 million pounds of mercury and 4.7 million gallons of military-generated chemical waste leaked into the environment, leaking from disposal ponds into the groundwater. But the most serious loophole is the legal O.K. given to the military to release low concentrations of LARGE AMOUNTS of both, radio-active waste and/or chemical liquid waste into the environment. Both the plutonium soil contamination at Hanford, and the mercury and chemical waste at Oak Ridge is the result of this practice, a practice so standard with the military that NO WASTE INVENTORIES are kept!

It's also well known that the military complex refuses to accept responsibility. We've heard about the irresponsible release of poison nerve gas in Utah which killed sheep and cattle and caused wide-spread cancer among the area population. It was only after 30 years of litigation that the military was forced, finally, to admit their duplicity and compensate the people there, those who were still alive, that is.

09 DEC 86

So, within a security-guarded, walled-off military facility, a facility with legal carte-blanche, who can really know what happens inside.

This Northwest section of Minnesota is water. Our farms are not only criss-crossed by hundreds of aquifers flowing in almost every direction, but we are, in addition, a water-shed, flood plane region. We are also close to the Red River flowing North into Canada. All Red River tributaries flood out every Spring and eventually drain back into their Red River source. And it rains in Minnesota. Rains and rains. Should our area become contaminated not only we but also our Canadian neighbors would become unhappy--we STILL have that 1908 boundary treaty. For both of us, groundwater contamination will make well water poisoned and undrinkable, crops poisoned and useless, cattle and land poisoned and destroyed.

No one says the Air Force OTH-B radar system facility will immediately use our area for a dumping ground. However, as locations for military dumps become more and more scarce, enclosed military facilities must become more and more tempting. After all, except for sudden deaths of wild and domestic animals, and, perhaps, a slowly dying population, who will ever know what's behind security walls.

Sincerely,

Mary Gjerde

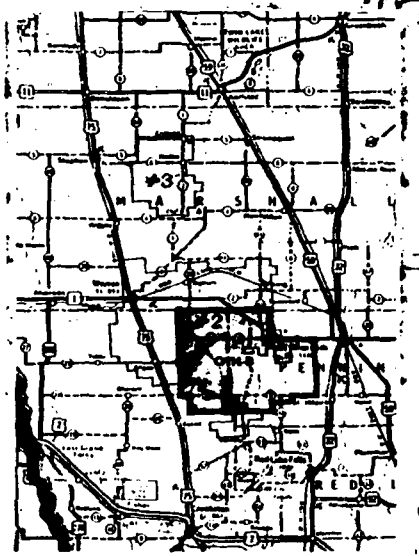
977-7

Mary Gjerde
Route #1
Angus, Mn 56712

Reference: Lewless, William, Bulletin of the Atomic Scientists, November, 1985

Monday October 13 1986 324 Main Avenue North Thief River Falls, MN 56701 Twenty-Five Cents

# Opponents To OTH-B Site Near TRF Gain Strength



AREA RESIDENTS at a recent meeting at the Nordon township meeting hall wondered if it was just a coincidence that the proposed OTH-B radar site location and one of the proposed nuclear waste repository sites considered last spring, overlap substantially

by David Hall
Times Reporter

Between 40 and 50 residents living at or near the proposed Over the Horizon Backscatter (OTH-B) radar site crowded into Nordon township's old one-room school -- now converted to a town hall -- last Wednesday night to learn the site and the approximate [illegible] the major opposition at the tongue of discussion at the meeting by criticizing the way in which the whole OTH-B radar proposal has been handled. Dyrdal opened the location of the site near Thief River Falls for basically two main reasons. Citizens were not provided with enough information and a great deal of potential damage could be realized from the site.

Dan Stewart, administrator of Thief River Falls Water Department, and John Incorporated, who was not at the meeting, taken strong exception to claims that they did not help many people interested. Without John Incorporated, some of the meetings to inform the public would not have occurred, he said.

Stewart said he really did not know what else John Incorporated could have done considering the amount of time spent on contacting people for meetings and presenting information. He said the position of John Incorporated has not changed.

The OTH-B radar receiver site proposed to be located west of Thief River Falls includes parts of or the entire areas of the following townships: Kratzke, Angus, Eldred, Maidenford, Brandt, Belltown, Numedal, Bray, Polk County, Nordon, Sanders and Black River.

The OTH-B radar is a surveillance and tracking radar system that the United States air force plans to construct and operate at four locations in the United States. Function of these radar systems is to detect, track and give early warning of aircraft and cruise missiles approaching North America in the North American aerospace defending command and the national command authorities.

The site near Thief River Falls would be a receive site. The difference between the transmit site and receive site would be a longer antenna array (about 9,000 feet), a closer northern fence, and the use of only a single antenna array with a uniform 65-foot tall beacon at the receive site.

A plot of land, according to the recommended impact study drafted for this project, roughly 10,000 feet by 1,000 feet (about 230 acres) would be required for each of four receive array and checkpoint areas. Also the receive site would require a total of at least 2,000 acres. The adjacent buildings would be somewhat smaller than those for the transmit site (5,000 square feet) because receiving equipment is smaller than high power transmitters. It could create as many as 60 permanent jobs in the area.

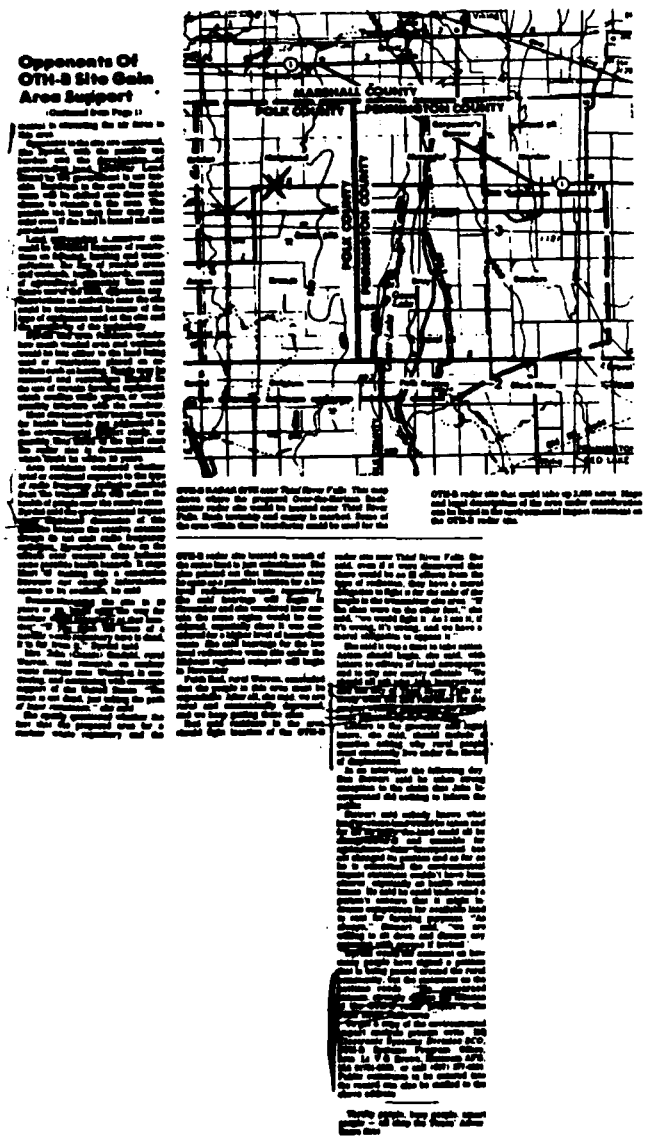
Residents within the area have little knowledge or understanding of the functionality of the project even at this critical point in time. Dyrdal said. Without an adequate public comment ground from October 6 to October 8, discussion would be already finished.

Several people at the meeting echoed his concern that most of the people within the area did not know they were in the area being considered. didn't have enough time to review the environmental impact study to make an informed comment and were the comment to be considered by those people in the area [illegible]

(Continued on Page 11)

My farm is bordered by the + immediately below the #2 Anyone endangering my land will be looking down the barrel of my shotgun!

Mary Gjerde






Route 1, Box 161
Thief River Falls, Minn. 56701
December 3, 1986

RECEIVED
09 DEC 86

Lt. V. G. Brown
ESD-SCO
Hanscom Air Force Base Ma 01731

G4, G8

Dear Sir:

I am writing in opposition to the OTHB Radar system being located west of Thief River Falls for all the reasons given at your hearing in Thief River Falls on November 20, along with these comments.

Despite many advances in technology, farmers still have a constant battle against weather, weeds, insects, disease and prices. Now we have an added threat in the form of the OTHB Radar System.

I cannot believe that the Air Force has to take agricultural land to site this system. Let us never forget that the cultivation of the earth is the most important labor of man. As was mentioned at the hearing, many of us have farms having been in the family from 25 to 100 years. The inherent nature of farm life draws family members close to each other, as well as the land. Each farm family fashions its own unique heritage and sacred traditions as generation succeds generation in wrestling a living from the land. IT IS A SPECIAL PLACE - A SPECIAL LIFE. William Cooper once said, God made the country and man made the town.

You state that after this OTHB Radar system has been decommissioned that the government would use it for whatever the need be. Now if the need be a nuclear waste dump site - what then? I know you state it would have to go thru another environmental impact study. We have already partially gone thru this. It has only been put on the back burner - for whatever reasons, political it would seem. So going through another study is of little consolation. People out here do not have much trust in anyone. City officials, county officials and elected representatives have let us down - except Bernie Lieder, State Rep. of Dist 2A, whose letter was read at the hearing asking you to remove the Thief River Falls site from consideration for the OTHB. The creditability of our government is questioned at the highest level in our land and is the main topic of TV stations, Radio stations and newspapers. This brings to mind the reason Bernie Kalb resigned also.

I want to thank Col. Lee and the Air Force for the excellent manner in conducting the meeting in Thief River Falls. He was very fair to the opposition, and I trust you will do the same with these letters you are receiving in opposition.

I would like to comment on the health issue before I close. Your specialists failed to appease my concerns, and I have my share of health problems. Your people say what you want them to say. The experts contacted by the opposition say you have not proven it safe. Now there is a Syllabus from power companies that support the opposition. When the true health effects surface - and you can be sure they will - it is usually too late. My main concern is for my children and grandchildren.

Thanking you for your time, I am

Respectfully yours,

Beverly Lamre

Beverly Lamre

RECEIVED
09 DEC 86

December 3rd, 1986

To whom it may concern,

I am opposed to the OTH Backscatter for the Thief River Falls area because as an implement salesman it would reduce me area of selling farm equipment. Thank you for your time.

Sincerely,

Harold O. Aker

Harold O. Aker

Thief River Falls, MN 56701

4-448

RECEIVED
09 DEC 86

As residents of Pennington Co. whether you live in town or country, we should be proud to live here. Weshould be proud to be able to say where we are from where ever we go. But in that light we must exper.ence a mutual concern as residents. We should all be met with respect, aware of the services we each can give each other.and enjoy.

WE feel all Pennington Co. residents can be renewed by what we already have. We maybe are unique with abundant wildlife such as deer,moose,brush wolves, sightings of bald eagle, trapping animals,wild berries, 3 at least types lady slipper flowers , sand cranes and nesting areas,some coveys of birds and more. You have an opportunity to teach your children of the oxcart tr that can still be traveled partly, drive across the shores of Lake Agassiz,limestones that have shell imprints and water markings.

We feel we should guard some of these quiet joys that can renew anyone and is right in our midst. Are they in jeopardy?

The earth is a gift to be recieved with joy. Let us celebrate the Earth, the garden. the gift of land. Let us be responsible for tending and c ring for the land.

Some sobering thoughts, Military expenditures draw off more public funds than any other function of government. The average U. S. citizen can expect to give up three or four years of income to the arms race. Military expenditures have gone beyond effective criticism and control. Far more than half the budget of the U.S. is related to wars-past, present and future. The money spent on arms every two weeks could provide adequate food and water(plus education and health) for everyone in the world for one year! All military expense is meant, of course to provide security directly o indirectly. Critics from both secular and religous bases reject out of hand the notion that high military spending promotes security., and they put the blame for today's insecurity squarely on overspending for arms.

Most critics do not argue against having defense policies. They are arguing against excess and overdependence on arms. Our sur[illegible].depends not only on

military balance, but on global cooperation to ensure a sustainable biological environment, and sustainable prosperity based on equitably shared resources.

A quote from Dwight Eisenhower, Every gun that is made, every warship launched, every rocket fired signifies in the final sense, a theft from those who hunger and are not fed.

Employment- manufacturing weapons can cause unemployment and inflation. Dollar for dollar, spending in the civilian economy creates more jobs and produces goods and services which put money back into the economy.

Residents of . PenningtonCounty, are you concerned about some of these thoughts? Do you want to be a part in doing something about it? You have to live with yourselves, look in the mirror , does it make you feel good?

4-449

Thank you, Erma Scholes

14025 Yons Lane
Whittier, California 90602
November 12, 1986

Route #1
Angus, Minnesota 56712

Department of the Air Force
Headquarters Electronic Systems Division (AFSC)
Hanscom Air Force Base, Massachusetts 01731

6 Dec 86

Attention: James A. Lee, Director OTH Radar Systems

G2, G3, G6, G8

Dear Colonel Lee:

I strongly oppose the location of the OTH-B radar project in the Thief River Falls area, and I oppose this location site for basically five major reasons:

- loss of good agricultural land and the uprooting of many farm families
- the proposed facility can so easily be sited on nearby Federal land
- the GAO report on superior alternative surveillance systems
- problematic detection accuracy in Minnesota's climate
- human health effects

According to the Environmental Impact Report a plot of land for the proposed site would total at least 2,400 acres--thereby displacing a large number of farm families, many third and fourth generation farmers whose families have been on their land for over 100 years. Our grandfather, for example, homesteaded our land and built the house we still live in, in 1890. Construction here, in this location, would not only uproot us directly but will also uproot many other additional families. And construction here will also, over the long run, because of this displacement eventually permanently close down our schools and churches, disrupt the nearby town's economy, when leaking [redacted] consumer business, banks and markets close, appliance and implement and car dealerships leave, until the entire community dies. It's difficult for non-rurel people to understand the importance of the unbellical-cord-relationship between the farmer and the economics of his city. There is a symbiotic co-existence. The farmer needs the businesses of his town but also, without the farmer and his business the town dies. This multiplies. When a town dies the neighboring city begins to deteriorate until eventually the State economy stagnates and declines. We are all dependent and interdependent upon one another.

Due to the farm foreclosures of the past two years almost 1/3rd of the small, family-owned farm is gone. It would be tragic if more of us are dispossessed and driven from our land without good reason.

The sad fact is that the proposed construction and operation of this central OTH-B Radar system can so easily be sited on nearby land already in federal control, especially as there are additional reasons to project-site elsewhere. According to a ODI fact sheet:

> The OTH-B's ability to detect cruise missles remains somewhat problematic. Detection is most effective at high frequencies, but these frequencies can't always be used. In cooler conditions--at night or in winter--the ionosphere becomes too thin to refract the transmitted signals. The OTH-B must then operate at lower frequencies, making the detection of cruise missles more difficult and less certain.

Minnesota not only has a long winter cycle but has also a more or less normal below 50 F. temperature--a year round climate which makes OTH-B accuracy questionable.

In addition, in a 1985 report the GAO recommended that the Air Force reassess the need to acquire the OTH-B system, that other alternatives were not only more survivable but also more cost-effective. The GAO was also critical of the Air Force's decision to begin production of the radars before development was completed. Still, THE AIR FORCE PROCEEDED WITH THE PROGRAM AS PLANNED!

Finally, there are decided unknowns in the human health effects of electro-magnetic fields. According to Dr. Andrew A. Marino (associate professor, department of Orthopaedic Surgery, Louisiana University School of Medicine) in a recent paper given--along with the many additional papers presented--at the International Utility Symposium in Toronto on September 15-19, 1986:

> Exposure to electro-magnetic fields can result in alterations of the metabolism of all body systems, including the nervous (system), the endocrine, cardiovascular, hemotological, immune and the reproductive systems.

Dr. Marino claims also that electromagnetic energy is a biological stressor and as with any stressor it will lead to diseases. This, he states, has been shown in many, appropriately-controlled studies.

As concerned, and now apparently endangered species, our farmers object to this wholesale slaughter of our land. There are already too many dead Main Streets and too many once-productive, now foreclosed farmlands. Farming is not only a way of life for the farm family; it is a necessity for the health--and survival--of our nation. Surely some consideration should be given to those of us who love the land and want it to remain productive--and preserved.

Sincerely,

Mary Gjerde

Mary Gjerde

4-450

CC: Lt Brown

Col. James E. Lee
ESD/SCO
Hanscom Air Force Base
Massachusetts 01731

Attached is resolution passed by the Wadena County Board

of Commissioners, etc.

Commissioner Lorentz offered the following resolution and moved for its adoption:

## RESOLUTION

WHEREAS, the U. S. Air Force is seeking a site for the Over the Horizon Backscatter Radar System in Minnesota; and,

WHEREAS, the U. S. Air Force has encountered considerable opposition to the proposal of locating the system in the Red River Valley; and,

WHEREAS, the Wadena County area and the U. S. Air Force had an excellent relationship at the previous radar base in this area during 1950 to 1970; and,

WHEREAS, Wadena County has land available that would be satisfactory for use by the U. S. Air Force Radar System; and,

WHEREAS, there would be a considerable savings to the U. S. Air Force in cost of acreage purchased compared to the rich Red River Valley land.

NOW, THEREFORE BE IT RESOLVED that the Wadena County Board of Commissioners invites the U. S. Air Force to visit our area and to consider installing the Backscatter Radar System in or near Wadena County, Minnesota

Motion was seconded by Commissioner Freer and carried unanimously.

Adopted at Wadena, Minnesota this 6th day of January, 1987.

ATTEST: Robert Fort, County Auditor

Dale Paulsen, Chairman

4-451

G1, G4, G5, G6, G7

Tamara Markrid
R1 #1 Box 151
T.R.F. Mn 56701

Mr Edward Aldridge,

I am writing in regards to the proposed OTH-B radar system in Minnesota. I live in the area involved in the receiver site. I am very angry and disappointed in the Air Force, our city (IRF) and a local group (Jobs, Inc) for the way this issue has been handled, right from the start. We (those living in the area) were not notified by anyone until 3 wks before the deadline for comments. Needless to say, at this time of year for farmers, this is nothing but a farce!

I am very much opposed to the system receiver and transmitter!

There are also some questions that I would like to have answered. No one that has been contacted by the Air Force (that I have talked to) has these answers - so I would like them from you.

1) Exactly how would the tax shift be handled? Who would assume the added money? Would assessors be hired? Would AF do any?

2) How many roads + ditches would be disturbed?

3) Will the A.F. reimburse farmers, school bus etc. for added distance going around sites?

4) Surrounding land values will be lessened - will the AF compensate these farmers (land owners)?

5) Will there be any hunting restrictions? If so, what distance from the site?

6) Will the Air Force guarantee (in writing) that this site will never be used for a nuclear waste disposal (high or low level) or be replaced by an Extreme low frequency radar system?

7) Will wetlands be replaced? If so, where?

ect.

8) Will the Air Force guarantee that this project will not be expanded, with more land being sought?

9) Will the Air Force lease the land? What type of contract will there be?

10) If the land is bought, how much will the Air Force pay landowners for their property?

11) Will the Air Force pay landowners what they paid for the land? If not, what happens to the mortgages farmers still owe?

12) Why weren't township officers notified of this proposal when it was first mentioned?

13) Exactly how many jobs will be taken from the T.R. Falls labor pool? In writing please!

14) Why was the only public hearing scheduled on primary election evening 9/9/86?

15) Why won't the Russians (and I believe Swedes) allow this system to be placed in an inhabited area. (This information was broadcasted recently on a Fargo radio station)

16) What is the Air Force's response to Dr. Duane Deatherage's (of Concordia College) 17 pg report of this project?

I would like detailed answers to the above questions. I also want the answers "on the record."

Sincerely,
Tawnya Markin
Tawnya Markin
R4 1 Box 151
T.R.F. Mn. 56701