AUG 1 5 1979

POOR ... ORIGINAL

1002 030

Mr. John J. Klunk Rt. #4, Box 4624 Spring Grove, PA 17352

Dear Mr. Klunk:

Thank you for expressing your views on the Three Mile Island nuclear plant and your concern for farm animals in the area. With respect to the commercial use of solar energy, the NRC is not responsible for the development of this energy source and we do not feel qualified to respond in this area. However, you may direct your queries on this matter to Dr. Bennett Miller, Program Director for Solar, Geo-thermal, Electric and Storage Systems, under the Assistant Secretary for Energy Technology at the Department of Energy, or Dr. F. Morse, Acting Director for Solar Applications at the Department of Energy.

With respect to the effects of radiation on local farm animals, depending on the specific exposure pathway, farm animals in the vicinity of Three Mile Island have or will receive doses approximately the same or somewhat higher than the radiation doses experienced by people living in the same general area. Although guidelines have not been established for acceptance limits for radiation exposure to species other than man, it is generally agreed that the limits established for humans are also conservative for other species. While the existence of extremely radiosensitive farm animals is possible and while increased radiosensitivity in organisms may result from environmental interactions with other stresses (e.g., heat or biocides), no farm animals have yet been discovered that show a sensitivity (in terms of increased morbidity or mortality) to radiation exposures as low as those experienced in the area surrounding Three Mile Island, including the increased exposure experienced due to the accident on March 28. The BEIR / report concludes that the evidence to date indicates that no other living organisms are very much more radiosensitive than man. Based on this conclusion, we have concluded that no measurable radiological impact on populations of farm animals is expected from the radiation and radioactivity released to the biosphere

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Mr. John J. Klunk

as a result of the operation of Three Mile Island. While radioactive releases due to the March 28 accident have been higher than for normal operation, the actual environmental doses to people in the vicinity represent a minimal risk in terms of public health and sefety. The same can be said for farm animals in the area.

Sincerely,

Ofiginal signed of

Harold P. Denton Direct

Harold R. Denton, Director Office of Nuclear Reactor Regulation

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Mr. John J. Klunk

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Harold R. Denton, Director Office of Nuclear Reactor Regulation

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Mr. John J. Klunk

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POOR ORIGINAL

Mr. John J. Klunk Rt. 44, Box 4624 Spring Grove, PA 17352

Dear Mr. Wunk:

Thank you for expressing your views on the Three Mile Island nuclear plant and your concern for farm animals in the area. The operational status of the Three Mile Island facility is governed on whether we can conclude that the plant does not have a significant hazards consideration and that reasonable assurance exists that health and safety of the public is not endangered.

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1/ Biological Effects of Ionizing Radiation (BEIR)
National Academy of Science/National Research Council
November 1972

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TO: Commissioner	Date
XXXX Exec. Dir./Oper.	Gen. Counsel
Cong. Liaison	Solicitor
APublic Affairs	☐ Secretary
Incoming: John Klunk	
From: Rd #4 Box 46 Spring Grove	
To: _ Chairman Hen	drie Date Undated
Subject: Unusual occu	rences of animals in area
of 3 Mile Island reac	tor
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Commissioner	Charles
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Neighbors blame daims. "Nothing grows like it should." plant for wors

BY JIM HILL

Of the Daily Record goats on a 'arm about a mile north of Three Mile Island atomic power side of the river. She has

For two years her herd of 16 does and two bucks did not produce one live kid. She began to wonder if the power plant was making them barren, and she wondered about it in public.

Hearing of her complaint at an anti-nuclear meeting, Metropolitan Edison Co., which owns half of Three Mile Island, did what it always does when someone questions the plant. It called in experts investigate

In April, 1978, Drs. amuel B. Guss and M. I. Park of the University of Pennsylvania looked over her herd and found

two things wrong: Mrs. Hardison's bucks didn't have any horns and some of her does possibly were herma-phroditic. The bucks and toos were "polled" -born without norms, and that means they could be infertile

The doctors suggested Mrs. Hardison introduce her does to a horned billy

In July, 1978, her does gave birth to 14 kids. The problems seemed solv-

But Mrs. Hardison is still baffled

"The father of those sids didn't any horns either," she said. She had borrowed the successful buck, born on her farm, from the man she had sold it to.

And Sparkie, the billy deemed least fertile, was tids born in July, she

on did add a home billy goat to her herd that to go e ag with the that the same of the nasn so red the prob-lem. Once again none of her goats are pregnant, she said.

"Two of ther: 'ook like they're bred, but they're just swollen up. You can feel they're not preg-

And suddenly the goats have stopped giving milk "Does that were giving a gailon of milk a day just dried up perfectly after six months. They should have milked

about a year.
"That whole herd is giving about a gailon of milk a day, and I can't affor a the vet bills to find

out why Asked if she thinks Three Mile Island is causing her griefs, she said, "What am I supposed to think? I'm just a lay person. I can't understand all these can't

Met-Ed firmly believes that Mrs. Hardison's problems aren't caused by their plant. It gives off amounts of radiation so small they can't be measured. Experts mocontinually and check radiation in her goat milk every month, and have found nothing

Mrs. Hardison isn't the only person in the Three Mile Island area who has wondered about the ef-fects of the nuclear plant

Jane Lee, who lives a few miles from the plant on the York County side of the liver, made the following record of "unusual occurences" at the farm on which she

aborted; Sept., calf born The land and the dead; calf dead at three wildlife on it have chang-

mratha: Not , calf dead at two days; Dec., goat ab , trse goats didn't

. 1978, cow dead with cancer, call dead at seven days, another call dead, goat aborted, sheep misca ried; Spring, ducks is id 70 eggs, only seven is tohed, duck born deform d, another calf born dead.

Mrs. Lee said she's having the same problems with her cats and kittens. "Have you ever heard of a barren cat?" she asked. Some of the kitten seem retarded and are dying mysteriously.

"I'm not an expert. I can't prove that radia-

Paul Holowka, Zions View, has the most in-credible story of all. He claims that 120 cows and calves have died on his farm since Unit 1 at Three Mile Island went into operation in 1974.

His Brittany Spaniels and German Shepherds are plagued with reproductive problems and disease Fuessant and quail have disappeared from the farm be's lived on since 1937, he said.

Alarmed by the changes, Holowka in May, 1977, bought a dosimeter to measure radiabegan keeping a log of the readings.

Periodically. dosimeter indicates enormous amounts of radiation in the air, Holowka claims. The high readings are follow ed by deed chickens and cows. On July, 29, 1977 he contends, the readings soared; leaves feil off the trees and dead birds littered his fields: a hawk swooned and feil

Holowka was visited once by Margaret Reilly of he state Bureau of lological Control. believes something

than radiation is

"If he really is getting dosimeter readings like that, then not only all his cows ar a chickens but he too rould be dead.

That's something that doesn't make sens about any of the comsick and dying, but the people are perfectly healthy."

HAS IT NOT OCCURRED TO MARL ARET REILLY OF THE STATE BUREAU THAT OF RADIOLOGICAL CONTROL MAYBE THE FACT THAT ANIMALS TIME OUTSIDE MORE SPEND MUCH A MUCH LARGER PORTION AND DERIVE OF THEIR FOOD DIRECTLY FROM THE AFFECTED LAND THAN HUMANS WHO'S FOOL COMES FROM A VARIETY OF SOURCE

DYING, (YET) COULD BE WHY PEOPLE AREN'T

WITH AS MANY 4. KNOWNS AS THERE ARE WITH NUCLEAR POWER, HOW CAN ANY PERSON OR AGENCY POSSIBLY MAKE ASSURANCES ABOUT IT'S SAFETY. LARGE INSURANCE POOLS WOULD NOT EVEN TAKE THE RISK OF INSURING THE SAFETY OF NUCLEAR POWER PLANTS.

FEEL THAT EVERYONE: GOVERNMENT, INDUST AND INDIVIDUALS MUST MOUNT AN ALL-OUT TO UTILIZE SOLAR POWER AS OUR EFFORT PRIMARY ENERGY SOURCE TO INSURE THAT THE ON EARTH IS NOT GOING TO QUALITY OF LIFE DETERIORATE TO THE POINT WHERE IT IS TOO LATE TO DO ANYTHING ABOUT IT.

ALL FACE THE FACT THAT THE USE IS GOING TO COST MORE MOME POWER WE IN TI'E YEARS TO COME UNLESS WE START USING POWER. IT IS GOING TO TAKE SOME SACRIFICES FROM EVERYONE, BUT IT MUST BE DONE. START BY CONSUMING LESS, RECYCLING MO

IF YOU WANT TO CHANGE THE WORLD CHANGE YOUR OWN LIFE.

SHUT DOWN 3 MILE ISLAND NUCLEAR PLANT IMMEDIATELY AND START PHASING OUT THE RES AS SOON AS POSSIBLE. DON'T PUT ECONOMICS BEFORE HUMAN LIFE!

IF SCIENCE CAN SPLIT THE ATOM CAN'T THEY FIND MORE AND 1002 038 0.1. 9.22

Where to voice opinion

If you want to express your views on nuclear power and Three Mile Island and Peach Bottom atomic power plants, you can write to:

etters to the Editor, York

Daily Record, 1750 Industrial Highway, York, Pa. 17402. U.S. Rep. Bill Goodling, 1713 Longworth House Office Build-ing Washington, D.C. 20515. U.S. Sen. Richard S. Schweik-

er, 1159 Federal Building, Harrisburg, 17105.

U.S. Sen. H. John Hetnz III, P.O. Box SS, Federal Square Sta-

tion, Harrisburg, Pa. 17105.
Dr. Joseph M. Hendrie, Chairman, Nuclear Regulatory Com-

mission, 1717 H St. NW. Wash-

ington, D.C. 20515.

Joint Committee on Atomic Energy, Room H-403, Capitol Building, Weshington, D.C.

U.S. Rep. Montis K. Udall. Chairman, House Subcommittee on Energy and the Environ-ment, Room 435, CHOB, Wash-ington, D.C. 30515.

Herman Dieckamp, President and Chief Operating Officer. General Public Utilities Corp., 60 Cherry Road, Parsippany, N.J. 07054

N.J. 07054.

James Lee Everett, President, Philadelphia Electric Co., 2501 Market St., Philadelphia.

NRC SECRETARIAT TO: Commissioner Date XXXXExec. Dir./Oper. Gen. Counsel Solicitor Solicitor Secretary Cong. Liaison Secretary	22/79
XXXXExec. Dir./Oper. Gen. Counsel Cong. Liaison Solicitor Public Affairs Secretary Incoming: J.M. Klunk From: Rt. #4 Box 4624 Spring Grove. Pa 17362 To: Chairman Heddrie Date Undate Subject: Urges closing of 3 Mile Island pl Prepare reply for signature of: Chairman	
XXXXXExec. Dir./Oper. Gen. Counsel Cong. Liaison Solicitor Public Affairs Secretary Incoming: J.M. Klunk From: Rt. #4 Box 4624 Spring Grove. Pa 17362 To: Chairman Heddrie Date Undate Subject: Urges closing of 3 Mile Island pl Prepare reply for signature of: Chairman	
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Public Affairs Secretary Incoming: J.M. Klunk Rt. #4 Box 4624 Spring Grove, Pa 17362 To: Chairman Heddrie Date Undate Subject: Urges closing of 3 Mile Island pl Prepare reply for signature of: Chairman	
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In view of the problems encountered by some of the residents in the area of 3 mile Island Nuclear Dower Blank & feel it should be closed down permanently. I see no reason why it should be delayed any longer. There are too many unknowns with nuclear power, For anyone In make assurances about its safety. Let's concentrate on solar energy potential.

POOR ORIGINAL

Margaret Klunk Maris Miller Carolar John J Zhuk

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790410006 Dr. Bennet miller

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